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One-liquid Zinc-rich rimer Spray

Joining Parts Freatment Agent

Data/ Q&A

Micro Check

[Features]

- •Micro Check is a one-touch aerosol spray of flaw detection agent which don't require any special equipment to be used.
- •Tiny cracks and invisible flaws can be easily and accurately detected. •It can be used everywhere no matter what material the applied objects are made of or what shapes the applied objects have (expect painted surfaces and plastics).
- •Being non-corrosive, it can be safety used to aluminum alloy, magnesium allov, etc.
- Possible to detect flaws and cracks at 0°C to 80°C.
- •The detectability is width 1 μ m and depth 10 μ m. (10°C \sim 50°C)

[Application]

Lubricant

Anticorrosive

/Special Paint

Cleaner

Scribbling

Varnish

Mould

Releasing

Spray

Adhesive

Sealing Agent

One-liquid

Zinc-rich

Primer Spray

Stainless Steel

Surface

Treatment

Welding Spatter

Antifouling Agent

/Welding Support

Product

Groove Antirust

Spray

Joining Parts

Treatment Agent

The range of application is limitless; from metals, regardless of whether it is ferrous, nonferrous, magnetic or non-magnetic, to non-metals such as ceramics, glass, etc.

- 1) Cast parts---pin holes, folds due to hot water, cracks due to shrinkage.
- 2) Forged parts—cracks due to forging.
- 3) Welded point—cracks, cavity, and defective joints.
- 4) Metal fatigues-—Cracks due to grinding, cracks due to backing, cracks due to cutting tools.
- 5) Leakage—tanks, boilers, pipes and others.
- 6) Seals—test of heat seal packages.







Crack detection test at welded point.

Micro Check Cleaner





PRTR

Red Liquid

0~80℃

	[Ferrormance]		
	Outward Appearance Applicable temperature		Colorless Transparent Liquid
			0~60℃
	00141	Micro Check Cleaner	420ml x 24pcs
	00142	Micro Check Cleaner 18L	18L x 1can

Micro Check Penetration

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L	Item No	
ı	00143	Micro Ch Penetrat
	00144	Micro Ch

Item No	Product Name	Volumetric capacity Pac
00143	Micro Check Penetration	420ml x 24pcs
00144	Micro Check Penetration 18L	18L x 1can

Micro Check Development







[Per	form
Outward Ap	pearance(
Applicab	le temp
Item No	
00145	Micro Develo
00146	Micro Develop

[Performance]		
Outward Ap	pearance(After Dry)	White Powder Coat
Applicable temperature		0~50℃
Item No		
00145	Micro Check Development	Volumetric capacity-Packing 420ml x 24pcs

[How to use]

It consists of following four steps
First: Clean the inspecting surface with Micro-check Cleaner
Second: Spray on the inspecting surface with Micro-check Penetration
Third: Remove excessive Micro-check Penetration by a cloth soaked with Micro-check Cleaner Forth: Spray Micro-check Development onto the inspecting surface.

ion.	Oils and rusts. Remove the oils and rusts.
	Penetrating solution







Micro Check 6P Set



Set Contents
Microcheck Cleaner x 3 pc
Microchael, Depatration v.

- heck Penetration x 1 nc
- 00147 Micro Check 6P SET 420ml x 24ncs ■Microcheck Development x 2 pcs

Micro Check 4P Set



TOUR CONTROLLS
■Microcheck Cleaner x 2 pcs
■Microcheck Penetration x 1 pc
Microcheck Development x 1 p

420ml x 24pcs 00148 Micro Check 4P SET

Water Washable Micro Check Penetration 18L



Red Liquid



Removable by water

[Performance] Outward Annearance

	Applicable temperature		
ĺ	Item No	Product Name	Volumetric capacity Packin
	24392	Water Washable Micro Check Penetration 18L	18L x 1pc

Leak Foamer/NK Foamer

(JIP)

[Features]

•Easily detects gas leakage by creating bubble. Bubbling even

• Rosing deleters gas leakage by creating bubble. Bubbling even slight "leakage"
• Non-flammable and no risk by chemical reactions
• Cleared the JIS-Z2329(Methods for bubble leak testing) foaming at a 30µm hole, under 4-5x103Pa differential

onessure.

Neutral type

[Application]

- Applicable to various gas piping, welded joint part of equipment and connecting parts.

 For detect refrigerant gas leakage from pipe jointing parts of machines such as air-conditioner and refrigerator.

 For detect gas leakage of town gas, propane gas, gas of
- industrial pipes and containers.

 Gas Leakage check for pneumatic brake piping of

[Performance]

Outward Appearance	Colorless Transparent Liquid
Applicable temperature	Normal temperature



Bubble Leak Testing (JIS-Z2329)

25240	Leak Foamer	345g x 24pcs
23362	NK Foamer	15kgs x 1can

Oil Leak Check

Oil leak detection

[Features]

- •Easily detects oil leakage by making a visible white color film.
 •Absorbing oil, detects oil leakage without pressurization.
 •It doesn't soil inside part for the outside application.
 •It is possible remove using water

[Application]

- •Leak check for welded part or welded joint of various oil pipe.
- Rubber hose is also available).

 Applicable to welded part or welded joint of various oil tank.

 Detects oil leaking from joint part of automobile oil pan o brake hose pipe, etc.

[Performance]

Outward Appearance (after dry)	White Powder Coat
Applicable temperature	0~50℃



vard Appearance (after dry)	White Powder Coat
licable temperature	0~50℃

00659	Oil Leak Check	150ml x 12pcs

Water Leak Check

Water leak detection

[Features]

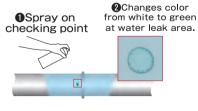
- Easily detects water leakage.
 Change the color of white coat film layer to green, if water is leaking.
 Removable by water

[Application]

•Leak detection for hydraulic test of tanks .
•Leak detection for pipes and coutainers.

[Performance]

Outward Appearance (after dry)	White Powder Coat
Applicable temperature	0~50℃



Item No		
00612	Water Leak Check	420ml x 24pcs

Lubricant

Anticorrosive /Special Paint

Cleaner

Scribbling Varnish

Mould Releasing Spray

Adhesive

Sealing Agent

One-liquid 7inc-rich Primer Spray

Stainless Steel Surface Treatment

Welding Spatter Antifouling Agent /Welding Support Product

Groove Antirust Spray

Joining Parts Treatment Agent

Peneton A

Rust proof penetrating oil for equipment.











[Features]

- •Without unpleasant smell since it is odorless. Adopts 2-way
- Without unpleasant smell since it is odorless. Adopts 2-way nozzle, bottom up spray is available.
 Rust proof effect is higher than other penetrating oil because of improved anti-rust formula.
 Penetrates rapidly into corroded metal surface. Activates on base metal under the rusty layer while lubricating the metal.
 Prevents rusting by water replacement.
 At an amazing speed, loosens binding screws, nuts etc., caused by rust.
- by rust.
 •Solve the disconnection problem of electric system caused by
- moisture.

 Doesn't contain silicone oil.

[Applications]

•Loosens binding crews, nuts, etc. caused by rust or seizure. •For anti-rust or lubricating metal ware.

[Performance]

Salt spray test	Over 72 hours
Indoor rust proof	Over 12 months
Weld Load	981N
Heat Resistance	120 ℃
Kinematic Viscosity(40°C)	9cSt (for reference only)
Applicable temperature	-10℃~130℃



_	Item No	Product Name	Volumetric capacity Packin
$\frac{1}{2}$	00105	Peneton A	420ml x 24pcs
-	00605	Peneton A 18L	18L x 1can
┪			

PN55

Surface

Checking

Agent

Anticorrosive

/Special Paint

Cleaner

Scribbling

Varnish

Mould

Releasing

Spray

Adhesive

Sealing Agent

One-liquid

Zinc-rich

Primer Spray

Stainless Steel

Surface

Treatment

Welding Spatter

Antifouling Agent

/Welding Support

Product

Groove Antirust

Spray

Joining Parts Treatment Agent Rust proof penetrating oil for equipment.











[Features]

- Without unpleasant smell since it is odorless. Adopts 2-way nozzle, bottom up spray is available.
 Has super high lubricating effect comparing with other products because of PTFE compounded.
 Penetrates rapidly into corroded metal surface. Activates on base metal under the rusty layer while lubricating the metal.
 At an amazing speed, loosens binding screws, nuts etc., caused by rust.
- Art and arrig speed, loosen's binding by rust.
 Prevents rusting by water replacement.
 Doesn't contain silicone oil.

[Applications]

•Loosens binding crews, nuts, etc. caused by rust or seizure. •For anti-rust or lubricating metal ware.

[Performance]

Salt spray test	Over 48 hours
Indoor rust proof	Over 6 months
Weld Load	1570N
Heat Resistance	120 ℃
Kinematic Viscosity(40°C)	9cSt (for reference only)
Applicable temperature	-10℃~130℃



Item No		
00530	PN55	420ml x 24pcs

Jet Lube

Mucous oil, high grade lubricating and rust preventing agent.

- For manufacturing processes requiring extreme pressure, such as pressing and drilling works.
 For every kinds of bearings.

[Dorformonool

[Performance]		
Weld Load	1570N	
Heat Resistance	120 ℃	
Kinematic Viscosity(40°C)	140cSt (for reference only)	
Applicable temperature	-10°C~150°C	





00031	Jet Lube	300ml x 24pcs

Visco-Lube

High extreme-pressure and high-adhesive lubricating agent.

[Features]

- The lubricating film, which has strong adhesive, anticorrosive and anti-rust effect, protects the coated surface from water, acid or alkaline atmosphere.
- alkaline atmosphere.

 Strong against extreme-pressures and does not get blackened owing to MCA and BN(white solid lubricating agent) compounded.

 Different from Molybdenum, doesn't contaminate surroundings.

 High adherent with least splashing.

[Applications]

- •Used for outer lubrication of heavy load, rotary part of all kind of construction machines and automatic wareho
- Applies to open gears, chains and wire ropes.
 Outer lubrication of all kinds of bearings.

[Performance]

Weld Load	1570N
Heat Resistance	300°C (Solid)
Kinematic Viscosity(40°C)	4000cSt (for reference only)
Applicable temperature	-10°C~150°C



Lubricating wire

\dashv			
	00106	Visco-Lube	330ml x 24pcs

Silicone Sliding Agent

Sliding and polishing agent.

[Features]

- Contains high penetrating silicone oil that offers quick sliding on complicated shapes of cutters.
 Non-solvent, don't stain fabric nor dissolve plastic.
 Harmless and odorless. Prevents cutters or machines from any

[Applications]

- For all blades, garment cutters, paper cutters, tables for book binding machines, woodworking machines and dry plates of
- various cutting machines.

 For polishing and sliding of printed materials.

 For lubricating rubber products.

 Coin sliding agent for vending machines.

[Performance]

Applicable temperature -50℃~200℃



Sliding cutting machine

00135	Silicone Sliding Agent	420ml x 24pcs
	Product Name	

Antifouling Agent /Welding Support

Surface

Checking

Anticorrosive

/Special Paint

Cleaner

Scribbling

Varnish

Mould

Releasing

Spray

Adhesive

/Others

One-liquid

7inc-rich

Primer Spray

Stainless Steel

Surface

Treatment

Welding Spatter

Groove Antirust Spray





- Provides long term lubricating, rust proof, corrosion proof effect because of strong adhesive properties of lubricating film.

 Long –life lubrication and rust preventing agent with water displacing property, therefore, it forms strong oily film under water even if water covers on the surface.

 Penetrates to narrow openings, doesn't soil surroundings because of little splashing.

[Applications]

- •Rust prevention and lubrication for metal ware, precision instruments, tools, moulds and metal work desk.

Weld Load	1570N
Heat Resistance	120 ℃
Kinematic Viscosity(40°C)	140cSt (for reference only)
Applicable temperature	-10°C~150°C



031	Jet Lube	300ml x 24pcs

High-Grade Grease

Long -term lubricating grease









[Features]

•By dissolving heat-resistant (200°C), rust-preventing and lubricating grease in gas, penetrates parts quickly and offers long term lubricating effect.

[Applications]

- •Applies to rotating and vibrating parts of motors, chains and
- gears.

 Applies to rotating and vibrating parts of construction, agricultural machinery and machine tools.

 Stops squeaking noise from shutters, door hinges, chains of bicycles and steel furniture.
- [Performance]

Mineral Oil
Aluminum complex soap
1
about 320
981N
200℃
Over 72 hours
-20~200℃



Item No	Product Name	Volumetric capacity Packin
00020	High-Grade Grease	300ml x 24pcs

Soft Grease Spray

Long term anti-corrosive & lubricating grease

Mould Releasing Spray

Surface

Checking

/Special Paint

Cleaner

Scribbling Varnish

Adhesive

Sealing Agent

One-liquid 7inc-rich Primer Spray

Stainless Steel Surface Treatment

Welding Spatter Antifouling Agent /Welding Support Product

Groove Antirust Spray

Treatment Agent



- Superior in rust proof & water-resistance and keeps long period of lubricant effect.
 With excellent penetrating property, penetrates into narrow
- openings.
 •Almost no foaming and splashing.
 •With excellent penetrating and heat-resistant characters.
- [Applications]

- •Anti-rust and lubrication for the rotating and vibrating parts of
- Animals and bolication for the folding and vibrating pairs of the chains, gears etc.
 Applies to rotating and vibrating places where probably moistened by water, vapor and seawater; and to the places where lubricating and penetrating required at high
- Stops squeaking noise from shutters, door hinges, chains of bicycles and steel furniture.

[Performance]

Base Oil	Mineral Oil
Thickening agent	Special complex soap
JIS Category	1
Consistency	about 330
Weld load (WL)	1961N
Heat Resistance	200℃
Salt spray test	Over 500 hours
Applicable temperature	-20~170°C



00109 Soft Grease Spray 300ml x 24pcs			
	00109	Soft Grease Spray	300ml x 24pcs

Chain Grease

White penetrating grease (compounded with white solid lubricant)

[Features]

- Containing white solid lubricating agent with strong abrasion resistance and noise reduction effects.
 Super high grade adhesive, waterproofing, acid & alkali resistance.
- resistance.

 This grease, which has excellent penetrating performance, spreads to any complicated places.

 Strong against corrosion.

 No performance reduction under water splashing conditions.

 Do not have any effect on O-Ring, such as seal chain.

 High adherent with least splashing.

[Applications]

- Applies to open gears, guide rail, slide rail, wire rope, crane wire,
- Applies to open gears, guide rail, silde rail, wire rope, crane wire, gear coupling, motorcycle and chains.
 As a lubricating agent for the components where penetrating and waterproofing are necessary.
 Applies to narrow openings.
 Spray to the places where scattering or grease trickling is in

[Performance]

[F e i i o i iii a ii c e	5]
Base Oil	Mineral Oil
Thickening agent	Lithium soap
JIS Category	0
Consistency	About 370
Weld load (WL)	1961N
Heat Resistance	100 ℃
Salt spray test	Over 120 hours
Applicable temperature	-15~120°C











00512 Chain Grease 300ml x 24pcs

Lithium Grease

General purpose grease spray

[Features]

- Available for Long time application, excellent consistency
- Stands up to long time application, excellent consistency because of its super mechanical stability.
 Stands up to long time usage, due to its excellent water-proof, anti-rust and oxidization stabilities.

[Applications]

Applicable to every kind of wheel bearing, gear and pin.
 Sliding and rolling for every kind of industrial machines, bearings.

[Performance]

Base Oil	Mineral Oil
Thickening agent	Lithium soap
JIS Category	1
Consistency	323
Weld load (WL)	1236N
Heat Resistance	150℃
Salt spray test	Over 72 hours
Applicable temperature	-20~150℃



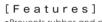
1	Item No		Volumetric capacity Packing
1	00511	Lithium Grease	420ml x 24pcs

Silicone Grease / Silicone Grease Spray

Heat resistant, cold resistant & water-proof grease

1000

ב-עפני-בעני



- •Prevents rubber and plastic from wearing off and dwindling
- down.

 Applicable temperature from -40~180°C

 Different from common grease, no dripping at high temperature and no hardened at low temperature. Chemically an inert

[Applications]

- Lubrication for Disk Brakes O ring.

 Seals for cup rubber of wheel cylinder.

 Lubrication for wiper motor.

 Lubrication for Clutch- Pilot and Bearing

 Lubricates the bumping point of Back plate and brake shoe

 Lubricates and seals gear vibrating part.

 Anti-rust and water proof for battery terminal connector.

[Performance]

Silicone Oil
Lithium soap
2(00025)/1(00026)
260(00025)/320(00026)
_
180℃
48 hours
-40~180℃



Lubrication of plastic parts

00025	Silicone Grease	100g x 24pcs
00026	Silicone Grease Spray	220ml x 24pcs

Not applicable to Silicone Rubber and Nature Rubber. *Not applicable to boundary lubrication of steel and steel.

Damp-Proof Grease for Connector

Damp-proof lubricating grease for couplers



- •Lubricating and anti-moisture grease for coupler housing of
- Adakes coupler easy attachable and removable, prevents terminal from damaging by PTFE.

 Prevents coupler from moistening in high humidity environment.

 Improves electrification, recovers electric conduction, meanwhile, protecting contact point from rusting by its excellent anti-rust property.

•Rust and moisture proof from the reverse side of solderless Lubricating and anti-moisture for coupler of automobile, vessels and various machines.



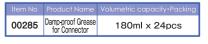






[Ρ	е	r	f	0	r	m	а	n	С	е]	
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[Performance]				
Base Oil	Synthetic oil			
Thickening agent	Lithium soap			
JIS Category	2			
Consistency	about 290			
Weld load (WL)	1236N			
Heat Resistance	150℃			
Salt spray test	over 120 hours			
Applicable temperature	-55~130℃			



Surface Checking

Anticorrosive /Special Paint

Cleaner

Scribbling Varnish

> Mould Releasing Spray

Adhesive

Sealing Agent

One-liquid 7inc-rich Primer Spray

Stainless Steel Surface Treatment

Welding Spatter Antifouling Agen /Welding Support Product

Groove Antirust Spray

Treatment Agent



Checking

Agent

/Special Paint

Cleaner

Scribbling Varnish

Releasing

Spray

Adhesive

Sealing Agent

/Others

One-liquid

7inc-rich Primer Spray

Stainless Steel

Surface

Treatment

Welding Spatter

Antifouling Agent

/Welding Support

Product

Groove Antirust

Spray

Joining Parts

Treatment Agent

Moly-Attack

High concentration molybdenum disulfide paste spray



[Features]

- Forms moist molybdenum disulfide film. Maintains high chemical stability and able to be used in the places immersed in water or
- stability and able to be used in the places immersed in water or organic solvents.

 •With extremely low coefficient of friction, from low temperature to high temperature (-30~400°C), keeps high lubricating effect, strong against extreme high pressure.

 •Able to be mixed with ordinary lubricating oil to increase

[Applications]

Prevents high - pressure sliding and rotating place from burning, seizure, abrasion and squeaking for machine tools and construction machinery.

[Performance]

Salt spray test	_
Indoor rust proof	_
Weld Load	2452N
Heat Resistance	400 °C
Kinetic Friction Coefficient	0.10
Applicable temperature	-30°C~400°C



Item No	Product Name	Volumetric capacity Packi
00022	Moly-Attack	300ml x 24pcs

Anti-Seize Spray

Preventing high temperature screw adhesion

[Features]

Prevents screw from seizing, sticking and burning under high temperature and high load.
Prevents parts from damaging.
Temperature range: -40~1,200°C

With rust-proof effect. (indoor rust proof), Keeps high performance

With lubricity, screw can be easily detached.

[Applications]

Prevents machine screw, bolt or nut used for high temperature blast furnace or quenching furnaces from seizing, sticking and

[Performance]

Salt spray test	Over 120 hours
Indoor rust proof	Over 1 Year
Weld Load	2452N
Heat Resistance	1,200 ℃
Kinetic Friction Coefficient	_
Applicable temperature	-40°C~1,200°C



00199	Anti-Seize Spray	300ml x 24pcs

Dry Lubricant

Dry film lubricating agen "PTFE" dispersion type

[Features]

- Not sticky. Dry film(PTFE Powders), dust is not attachable.
 Most suitable for the plastic part lubricating.
 Stops v belt squeaking noise.
- [Applications]
- Stops squeaking noise of V-Belt.
 Lubrication for door locks, hinges, chains, etc.
 Lubrication for oil seal and rubber hose jointing.

[Periormance]					
Heat Resistance	250℃				
Kinetic Friction Coefficient	0.04~0.07				
Applicable temperature	Below 250°C				



ltem No	Product Name	Volumetric capacity Packing
00186	Dry Lubricant	65ml x 48pcs

Food Machinery Lubricant

Oil spray applied to NSF-H and 3H grade food machines





•This lubricant, itself is eatable. Produced on Food





[Features]

- Liquid lubricating oil, with vegetal fatty acid of a

[Applications]

- Used as lubricating agent for food processing machines; mould releasing agent for food containers.
 As lubricant for food-cutter, meanwhile,
- preventing food adhere

NSF	H1. 3H
Approval Number	No.144730

[Performance]

i i catulesi			
•This lubricant, itself is eatable. Produced on Food	Landard St.	Kinetic Friction Coefficient	0.17
oil Line.	Lubricity	Pressure Resistance	0.55Mpa (Four Ball Test: 200rpm)
 Liquid lubricating oil, with vegetal fatty acid of a 	Oxidation Stability	97.8±0.2℃	Over 300 hours
high degree of purity as major ingredient. The properties of liquidity, permeability,	Temperature	Applicable temperature	-5℃~200℃
digestible and absorbable, which cannot be	characteristics	Flash point	240℃
found in other general vegetable oil. •Super oxidation stability (preservation), able to keep long lubricating effect.			
 Biodegradable and non-toxic. The composition Triglyceride is used for processing food and 	[Bioche	mical per	formance]
medicine.	Taste	Taste less	

Taste		Taste less	
Digestibility Hydrolysis and absorption easily		Hydrolysis and absorption easily	
	Metabolizability	Easily Oxidized	
	Coliform Group	Negative	

00127	Food Machinery Lubricant	420ml x 24pcs
00627	Food Machinery Lubricant	16L x 1can

Food Machinery Grease

NSF-H 1 grade machinery grease spray

[Features]

- White grease spray used for food machines with excellent water proof, oxidation and mechanical stability.
 Applied to the places where may contact with
- foods.

 With excellent oxidation stability, keeps long
- term lubricating effect.

[Applications]

- •As a Lubricant for food machinery chains
- As a Lubricant for food machinery chains, rotating and vibrating places.
 Used for fish or meat processing machines; filling up equipment for sake brewing, and various drinking; food conveyor or packing apparatus, att

NSF	H1
Approval Number	No.144729

00188	Food Machinery Grease	300ml x 24pcs

[Performance]

Consistency	JIS K 2220	217℃		
Drop point	JIS K 2220		10.2wt%	
Oil Separation	JIS K 2220			
	JIS K 2220	-20℃	Starting torque	6.7N·cm
Low-temperature			Running torque	4.3N·cm
torque test		-20°C	Starting torque	20.2N·cm
			Running torque	11.8N·cm
Shell four-ball test		Last Non-Seizure load		1236N
	ASTM D 2596	Welding load		3090N
		Load wear index		578N
Soda four ball	JIS K 2519	Acceptable limit load		0.441MPa
test	013 N 2519	Average friction coetticient		0.79mm

[Safety]

.	Test category		Test result
	Material test	Lead	Under 1ppm
		Calcium	Under 1ppm
	Dissolution test	Heavy metal	Under 1ppm(Pb)
	Dissolution test	Potassion permangate consumed	Under 0.5ppm

[About NSF]

NSF (National Sanitation Foundation) is a Third Party Nonprofit Organization of USA which after transferred the Certification Program from U.S. Department of Agriculture (USDA) assume the Safety Registration Service (H1 and 3H are one of the services) of chemical products used at food-processing field.

[NSF H1]

H1 is the standards for lubricant agent possible to be used at places that has a possibility to contact with foods accidentally.

It should not contact with food directly, but it is safety in contacting case.

[NSF 3H]

NSF認証マーク

3H is the standards for mould release agent possible to be used at hard surfaces for prevent adhesion of foods. It is used for contact directly to foods such mould of butter, ice-cream, grill, etc.

It is utilized cooking oils that don't have problem if eat.



Surface Checking

Anticorrosive /Special Paint

Cleaner

Scribbling Varnish

> Mould Releasing Spray

Adhesive

Sealing Agent

/Others

One-liquid Zinc-rich

Stainless Steel Surface Treatment

Primer Spray

Welding Spatter Antifouling Agent Welding Support

Groove Antirust Spray







Checking

Agent

Cleaner

Scribbling

Varnish

Releasing

Spray

Adhesive

Sealing Agent

One-liquid

7inc-rich

Primer Spray

Stainless Steel

Surface

Treatment

Welding Spatter

Antifouling Agent

/Welding Support

Product

Groove Antirust

Spray

Stainless Cut / Stainless Cut L

Cutting lubricant with superior anti-weld and extreme high pressure performance







•As extreme pressure chlorine additive contained, superior in anti-deposition and most suitable for hard cutting materials.

•With the effect of reducing abrasion of the drill bit, extend tools'

IIIE.

•Quicken cutting speed and raise work efficiency.
•Smoothly ejects cutting chips. Almost no burrs, curves and prevents plucking off and seizing.
•Finishes with an excellent smooth surface & improves the

dimensional accuracy.

[Applications]

•Used as a lubricating agent in the process of tapping, thread cutting, twist drilling, reaming and broaching for hard cutting materials, such as stainless, aluminum, copper, titanium alloy, etc.

[Performance]

[Ferrormance]		
Weld Load	4903N	
Copper strip corrosion test	1a (100°C x 1hr)	
Viscosity(40°C)	36cSt	
	_	
Applicable temperature	Below 100°C	



- 1			
+	Item No		
	00111	Stainless Cut	330ml x 24pcs
	00113	Stainless Cut 1L	1L x 12pcs

Super-Cutting Spray / Super Cutting Oil

超切削

オイル

[Features]

•Do not contain chorine, phosphorus, activated ion and heavy

New Cutting Agent applicable to almost all materials from light

New Cutting Agent applicable to almost all materials from light cut to heavy cut.
No worry of generation of Dioxin, since it does not contain Chlorine. Saves time for separation of waste.
No worry of materials corrosion, because it bases mineral oil with none-reaction addictives.
No unpleasant smell from ion addictives.

[Applications]

Applies to all kinds of metals along with non-ferrous metals.

 Used in the process of tapping, drilling, reaming, screw cutting and broaching works.

[Performance]

Weld Load	2452N
Copper strip corrosion test	1a (100°C x 1hr)
Viscosity(40°C)	44.7cSt
Inactive Sulfur	Below 0.5%
Applicable temperature	Below 100°C



4	Item No		
	00114	Super Cutting Spray	420ml x 24pcs
	00614	Super Cutting Oil	1L x 12pcs

Tapping Spray(Chlorine-Free) Cutting lubricant







Treatment Agent



•No worry of generation of Dioxin, since it does not contain Chlorine Paraffin. Saves time for separation of waste.

[Applications]

 Applies to all kinds of metals along with non-ferrous metals.

 Used in the process of tapping, drilling, reaming, screw cutting. and broaching works.

[Performance]		
Weld Load	2120N	
Copper strip corrosion test	1a (100°C x 1hr)	
Viscosity(40°C)	44.7cSt	
Inactive Sulfur	Below 0.6%	
Applicable temperature	Below 100°C	

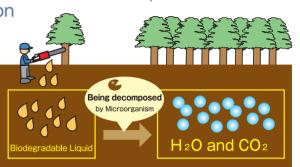


ltem No	Product Name	Volumetric capacity Packing
00189	Tapping Spray (Chlorine—Free)	420ml x 24pcs

Biodegradable Chemicals

Biodegradable products are suitable to be used at environment conservation areas (forests·farm ·river, etc)

Organic chemical substances contained in the solvent are decomposed into H₂O and CO₂ by Microorganism, return to the nature.



*Do not discharge large quantity of oil into nature rashly, please follow the reference law

Biodegradable Oil Spray-EX Biodegradable anti-corrosive lubricating oil

[Features]

- •Green product and safe to use since its base oil is Biodegradable
- Synthetic Ester.

 Biodegradable rate is more than 60% (OECD 301C/28 days).

 Raw material of this product has passed Biodegradicubricating Oil Eco Mark Certification Criteria.

[Applications]

- •Loosens binding crews, nuts, etc. caused by rust or seizure.
- Used as rust removing and preventing agent for blades.
 Anti rust and lubrication for door hinges or chains, etc.



Item No	Product Name	Volumetric capacity Packing
00820	Biodegradable Oil Spray-EX	420ml x 24pcs

Biodegradable Grease Spray-EX

Biodegradable anti-corrosive lubricating grease

[Features]

- Uses Biodegradable Grease, Environment friendly product.
 Biodegradable rate is more than 60% (DECD 301C/28 days).
 Raw material of this product has passed Biodegradable Lubricating Oil Eco Mark Certification Criteria.

[Applications]

- As a lubricating agent for rotating and vibrating places of various agriculture machines. (Tractor, Combine Harvester, Chain Saw, Bush Cutter).
- Applied to door hinges, chains or shutter, etc.



	Product Name	Volumetric capacity Packing
00821	Biodegradable Grease Spray-EX	420ml x 24pcs

Biodegradable Chain Oil Spray-EX

Biodegradable chain oil



[Features]

- Green product and safe to use since its base oil is Natural Vegetable Oil.
 Biodegradable rate is more than 60% (OECD 301C/28 days).
 Raw material of this product has passed Biodegradable Lubricating Oil Eco Mark Certification Criteria.

[Applications]

Applied to chain saw, forklift, bicycle chain or gear.
 As a lubricating agent for rotating and vibrating places of various agriculture machines. (Tractor, Combine Harvester, Chain Saw, Bush Cutter).



00822	Biodegradable	420ml x 24pcs

Surface

Checking

Cleaner

Scribbling Varnish

Mould Releasing Spray

Adhesive

One-liquid 7inc-rich

Primer Spray Surface

Treatment Welding Spatter Antifouling Agent

Welding Support

Groove Antirust Spray

Rust Jet

Water displacing anti-rust agent

[Features]

- Prevents rusting by displacing water. Able to apply to all kinds of metals. Doesn't corrode metal surface or change its color.

 No interference with electrical contacts; Suitable for the protection of electrical devices.

 Protects coated surface from salt adhesion or corrosion on sea; Prevents from corrosion caused by fingerprints.

[Applications]

- For rust prevention and lubrication of all kinds of metal products, precision instruments, tools and surface plates, etc.
 For rust and moisture prevention on complicated wiring of electrical devices, batteries, communication equipment, computers and motors.

[Performance]

Salt spray test	Over 120 hours
Indoor rust proof	Over 24 months
Outdoor rust proof	Not Available
Film thickness	2-3µm
Applicable temperature	-10°C~130°C



Item No	Product Name	Volumetric capacity Packing
00107	Rust Jet	420ml x 24pcs
00160	Rust Jet 15L	15L x 1can



Item No	Product Name	Volumetric capacity Packing
00107	Rust Jet	420ml x 24pcs
00160	Rust Jet 15L	15L x 1can

[Features]

Excellent rust - proof effect in any small & complicated places owing to volatility. (Including the places where can not be covered by spray)
 Olifferent from anticorrosive oil or wax type, can be used without

Mould Anti-Corrosion Agent-Volatile

Different from anticorrosive oil or wax type, can be used without mould cleaning.
 Can be restarted the mould without cleaning.
 Only shoot out 2 to 3 times for trial run.
 Once it is applied, rust proof film is formed on the metal surface and meanwhile, volatilized rust prevention molecule reacts with water and changes to rust - proof water to prevent metals from corrosion.

[Applications]

Rust prevention for injection mold.
Rust proof for preserve or transport of metal parts, etc.

[Performance]

Salt spray test	_
Semi-sealed condition	6 Months~1 year
Completely sealed condition	1~2 years
Applicable temperature	Below 80°C



-	Item No	Product Name	Volumetric capacity Packing
	00125	Mould Anti-corrosion Agent-Volatile	420ml x 24pcs

Scribbling Varnish

Releasing Spray

Surface

Checking

Agent

Lubricant

Cleaner

Scribbling Varnish

Adhesive

Sealing Agent

One-liquid 7inc-rich Primer Spray

Stainless Steel Surface Treatment

Welding Spatter Antifouling Agent /Welding Support Product

Groove Antirust Spray

Treatment Agent

Semi-dried anti-rust agent

ラスガート クリア-

Rustguard

[Features]

- Semi-dried, no stripping even scratched by hand.
 Super-strong rust-preventing property in adverse conditions caused by outdoors moisture, salinity and chemical or corrosive
- •Suitable used as long-term indoor and outdoor rust preventing
- agent.

 •Can be used as lubricant and anti-corrosive agent for hinges of

[Applications]

- Rust proof for parts in processing, storage and transit.
 Indoor and outdoor storage for ferrous material and machinery.
 Corrosion-protection for machinery, like iron plate, ferrous material of garage, pump, house and factory near the sea.
 Weld surfaces under chassis and inside of fender, locker panel.

[Performance]

Salt spray test	Over 480 hours
Indoor rust proof	Over 5 years at film thickness 50µm
Outdoor rust proof	Over 2 years at film thickness 50µm
Film thickness	20μm~50μm
Applicable temperature	Below 100°C



		Volumetric capacity Packing	
00088	Rustguard Clear	500ml x 24pcs	
00089 Rustguard Brown		500ml x 24pcs	

Rustguard Green

Wax-based • mould anti-rust agent

ラスガー

[Features]

- •An odorless anti-corrosive agent made from high-refined wax and little odor solvent.
- and little ador solvent.

 Wax-based, semi-dried film protects metal surface and keeps excellent rust proof effect.

 Not only used for mould, but also can be applied to machine parts and equipment.

 Film is easy to be checked because of the green color. Increase work of Figure 19.
- work efficiency
 •Suitable for places where the agent is required to be removed in

[Applications]

 Corrosion prevention for mould, machine parts and equipments. [Parformance]

[Performance]				
Salt spray test	Over 96 hours			
Indoor rust proof	Over 1 and half a year			
Semi-sealed condition	2 Years~3 Years			
Film thickness	20μm~50μm			
Applicable temperature	Below 50°C			



Item No	Product Name	Volumetric capacity Packing
00129	Rustguard Green	480ml x 24pcs

Blacking Spray

High adhesion and quality finish

[Features]

Clear black finish with thin film.
Compounded of high concentration of graphite and high adhesion of resin.
The coating film won't peel off even if the metals bump with each other.

[Applications]

For blacking metals like iron, stainless, copper, aluminum, and POM(POLYACETAL) and ABS resin.

[Performance]

•	- •	
Drying time (to touch)	2~3 min	
Drying time (to be hard)	about 20 min	
Heat-resistant temperature	150℃	П
Application area	1.5m²	E
Applicable temperature	Normal temperature	П



_	Blacking Spray	420ml x 24pcs

Repair Pen Black

Black repair paint

[Features]

- Pen type black paint.Simply brush the peeling off parts with the pen, do not soil the
- Clear black finish with the covered thin film.
- Contains special epoxy resin, which has excellent oil resistant property.
 High adhesion thin film won't peel off the surface even the metals bump with each other.

[Applications]

•Repairs metals, such as iron, stainless, copper, aluminum, etc. (*It is not available for rubber and plastic.)

[Performance]

Drying time (to touch)	2~3 min			
Drying time (to be hard)	about 20 min			
Heat-resistant temperature	150℃			
Application area	1.5~2 m²			
Applicable temperature	Normal temperature			



Blackening parts with repair pen

		volumetric capacity*Packii
00590	Repair Pen Black	30ml x 6pcs

Lubricant

Surface

Checking

Cleaner

Releasing Spray

Adhesive

Sealing Agent

One-liquid 7inc-rich Primer Spray

Stainless Steel Treatment

Welding Spatter Antifouling Agent /Welding Support

Groove Antirust Spray



Checking

Agent

Lubricant

Anticorrosive

Scribbling

Varnish

Mould

Releasing

Spray

Adhesive

Sealing Agent

One-liquid

Zinc-rich

Primer Spray

Stainless Steel

Treatment

Welding Spatter

Antifouling Agent

/Welding Support

Product

Groove Antirust

Spray

Joining Parts

Treatment Agent

Heat Resistant Silver / Heat Resistant Black



(3)

0

[Features]

Heat Resistant Temperature: 600 °C
•Even at 600 °C shocked by cold water, the coated film won't either peeling off or discolor.
•Protects from salt damage caused by snow melt agent, etc.
•When film gets dried, more adhesion hardened - film is formed

[Applications]

•Exhaust Muffler of Automobile and Motorbike, Heating Stove, Chimney, Incinerator, Steam Piping etc.

[Performance]

Drying time (to touch)	15~20 min	
Drying time (to be hard)	Differ to heating condition	
Heat-resistant temperature	600 ℃	
Application area	0.6~0.7m²	



Item No	Product Name	Volumetric capacity Packing		
00082	Heat Resistant Silver	420ml x 24pcs		
00086	Heat Resistant Black	420ml x 24pcs		

Sabes SP 500 / Sabes SP 4L





[Features]

Releases rust from corroded and fastened bolt by several minutes penetrating.
 Removing rust by dipping rusted metals into SABES for less than 10 minutes.

[Applications]

•Removes rust from metals, removal of oxidation film such

Removes rust from merals, removal of oxidation film such as oxidation film of concrete on steel surface and lime calcium sediment etc.
 After removal of rust, cleans the surface by washing or wipe off by cloth. Afterwards, proceed anticorrosive treating.

[Performance]

Applicable temperature Normal temperature

[Application method]

- : Applies evenly on corroded surface, and leaves it for several minu
- : Afterwards, wipe rust off with waste.
- : If rust is not completely removed, repeats ① and ②.
- 4 : After removing rust, flush the surface with water. 5 : To prevent getting rusted again, use anti-corrosive agent for
- anti-corrosive treatment.
- For severe rust, scrapes coarse rust with wire brush beforehand * After applying SABES, don't leave it for more than 10 minutes.
- It may cause corrosion on non-rusted parts. * The same procedure with lime calcium sediment and concrete

iutes.		step2	step3
final	ltem No	Product Name	Volumetric capacity Packing
d.	00694	Sabes SP 500	500ml x 12pcs
<u>.</u>	00695	Sabes SP 4L	4L x 4bottles



Safety Clean

[Features]

 Alkali cleaning agent, remove obstinate oily dirt stained on the metals, machines, such as rough oily dirt and backed oil on engine.

•Water-based agent, not flammable or explosive.

[Applications]

- •Removal of oily dirt from machines, parts, tools, factory

- equipment and floor.

 Cleaning oily diff stained on cars or ships.

 Cleaner for car engine, chassis, tire, lining in vehicle, the inside of hook hood and trunk.

 "Can be used by undiluted solution or water-diluted solution."

 Hand spray bottle (Item No: 00196, 1 Lit) is available for Separate Sale.





00196 Hand Spray Bottle

Item No	Product Name	ph	Clean Power	Mist Odor	Features
00067	Safety Clean	13~14	**	Low	Strong power cleaner. Water-diluted solution is available to be applied to all places.
00167	Safety Clean Cube	13~14	**	Low	Backing box of 00067
00068	Safety Clean A	13~14	***	a little	Stronger than 00067, available to be applied to obstinate oily dirty of animal & plant.
00168	Safety Clean A Cube	13~14	***	a little	Backing box of 00068
00069	Safety Clean S	13~14	***	strong	Very strong alkali cleaner. To remove the dirty which can not be cleansed by other cleaners or scorched oily dirty, etc.
00169	Safety Clean S Cube	13~14	***	strong	Backing box of 00069 safety clean S
00170	Phosphorus-Free Safety Cleaner 20L	7~8	*	without pungent sme ll	Neutral cleaning agent, little effect on aluminum, rubber and plastic.
00304	Phosphorus-Free Safety Cleaner 1L	7~8	*	without pungent sme ll	1 L package of 00170





00068



Safety Clean

00168 Safety Clean A Cube







metric capacity•Packing	Item No	Product Name	Volumetric capacity Packing
20L x 1can	00069	Safety Clean S	20L x 1can
20L x 1box	00169	Safety Clean	20L x 1box



00067 Safety Clean

00167 Safety Clean Cube



20L x 1can

20L x 1box

00170	Phosphorus-Free Safety Cleaner	20L x 1box
00304	Phosphorus-Free Safety Cleaner 1L	1L x 12pcs

(00196	Hand Spray Bottle	1L x 1pc

Dilution Ratio				
Cleans various engine, scorched oily dirty and oxidized dirty.	undiluted liquid~	undiluted liquid~	undiluted liquid~	undiluted liquid~
Removes oily dirty from Machines, Parts, and tools.	~5times	~5times	~10times	~2 times
Cleans factory and office floor.	~10times	~10times	~20times	~5times
Cleans process goods, removes process oil and anti-rust oil from every kind of parts, machines.	~20times	~20times	unavailable	~10times
Indoor cleaning for automobile, vessel, etc.	~30times	~30times	unavailable	~20times

**Because of strong alkali, some metal, such as aluminum, magnesium might be corroded. **Undiluted liquid strong affects rubber, plastic and paint surface, please test on unnoticeable place before use.

Surface

Lubricant

Checking

Agent

Cleaner

Scribbling Varnish

Mould Releasing Spray

Adhesive

Sealing Agent /Others

One-liquid Zinc-rich Primer Spray

Stainless Steel Surface Treatment

Welding Spatter Antifouling Agent /Welding Support Product

Groove Antirust Spray

Joining Parts Treatment Agent

Parts & Brake Cleaner Series



[Features]

Surface

Checking

Agent

Lubricant

/Special Paint

Scribbling

Varnish

Mould

Releasing

Spray

Adhesive

Sealing Agent

/Others

One-liquid

7inc-rich

Primer Spray

Stainless Steel

Surface

Treatment

Welding Spatter

Antifouling Agent

/Welding Support

Product

Groove Antirust

Spray

Joining Parts

Treatment Agent

- A chemical cleaning agent with very low toxicity.

 Rapid dry type.

 Quick removes oily dirty from metal, mould and precision

- Instrument.

 •This agent, itself, doesn't corrode any metal.

 •Little influence on resin and rubber products.

 •We have a great variety of cleaning products to meet every kind of needs.

[Applications]

- Cleanse anti-corrosive oil and cutting oil from metal parts, mould and tools.

 Removal of oil stains along with iron powder from hydraulic.
- Removal of oil stains along with iron powder from hydrauli instruments or cylinders.

 Removal of grease stains from gearboxes and bearings.

 Removal of oil stains from hydraulic machinery or cylinders.

 Cleaning of precision machinery.

 Cleaning of oily dirty surrounding automobile, forklift and brake.

Cautions : Recause it is flammable, don't use it while electric switch on

Do not spray excessively onto rubber, plastic and paint surface.

1	00118	Parts & Brake Cleaner	420ml x 24pcs	*1	**	**	Little affect on resin and rubber



2	00062	Parts & Brake Cleaner A	500ml x 24pcs	***	**	*	Standard specification, almighty type



ı								
	3	00598	Parts & Brake Cleaner 840	840ml x 30pcs	**	**	***	Jumbo can, economy size



I								
	4	00600	Strong Parts & Brake Cleaner SUPER MAX	840ml x 24pcs	***	**	*	Strong cleaning power, 840ml Jumbo Can



5	00601	Quick dry parts & Brake Cleaner SUPER MAX	840ml x 24pcs	*	***	***	Dry quickly, 840ml Jumbo Can.



_								
ſ	6	00262	Parts & Brake Cleaner A	18L x 1can	***	**	*1	18L can of 00062 liquid type.



6	00262	Parts & Brake Cleaner A 18L	18L x 1can	***	**	*1	18L can of 00062 liquid type. Refill spray set (00930) is available



1	00265	Parts & Brake Cleaner T 18L	18L x 1can	***	**	*1	18L can of 00062 liquid type with screw cap. Refill spray set (00930) is available



[Performance]

Applicable temperature Normal temperature





Regarding ★ mark

- *The comparison of cleaning power, drying characteristics and resin impact are based on solvent cleaning data of our company. The number of ★ indicates the stronger the power is.
- ◆The more ★, the stronger the cleaning power is.
- ◆The more ★, the quicker the product gets dried.
- ◆The more ★, the less affect resin.

*The resin impact is different according to resin type, therefore, please test on unnoticeable place before use.















Parts & Brake Cleaner A Parts & Brake Cleaner T

econo Refill Equipment

[Features]

- An economy and easy refilling system. Only available for refilling Parts Cleaner.

 Green product, jetting out liquid by compressed air.

 00262 Parts & Brake Cleaner is not applicable to PRTR.

 Cleaner and air are refilled at the same time.

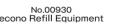
 Air can be filled up separately when only liquid is left in Spray Can.

 Special spray can set, which is made by light and pressure resistant steel is able to be refilled repeatedly.

[How to use]

- ①Set up the special cleaner agent and air hose at refilling machine.
- ②Put the changeover switch at [Agent + Air] side and the operation switch at [Filling up] side.
- 3For start the filling up operation fix the special filling bottle at the clamp plate.
- The indicator starts work and when it complete put the operation switch at [Detachment] side. Then you can detach the special filling bottle.
- *Please read the machine attached instruction manual for more details.







No 00931 econo Spray Set



Parts & Brake Cleaner A 18L

Refill Spray Set

1set

An easy refill equipment for parts cleaner

[Features]

00930 econo Refill Equipment

00931

- •One can of Parts & Brake cleaner is enough for refilling 78
- •Green product, jetting out liquid by compressed air.
 •Our cleaners (00265, 00257 and 00251) are not applicable to
- Special spray can set, which is made by light and pressure resistant steel is able to be refilled repeatedly.

[How to use]

- ①Set up the Quantitative Cock at 18L can.
- *It is not possible use at screw cap type 18L can.
- (2) ay the 181 can as nutting the transparent pine to look down
- Take off the cap of Spray Can and insert it at the transparent
- 3Push the black button, when the solution stop to flow push again the black button and take off slowly from the pipe.
- 4 Close the Spray Can cap tightly.
- (5) Complete injecting air for 3 to 5 second from bottom of the Spray Can
- *Please read the machine attached instruction manual for more details.

Refill Spray Set (Item No: 00940)

■includes

- ·1 pc of Spray Can, ·1 Air Refill-up Hose
- ·1 Quantitative Cock and Handling Instruction.



Stainless Steel

Treatment

Surface

Checking

Agent

Lubricant

Anticorrosive

/Special Paint

Scribbling

Varnish

Mould

Releasing

Spray

Adhesive

Sealing Agent

One-liquid

7inc-rich

Primer Spray

Welding Spatter Antifouling Agent /Welding Support Product

Groove Antirust Spray

Joining Parts Treatment Agent













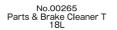




00940 Refill Spray Set 00941 1pc 00942 Air Fill Up Hose 1pc 00943 Quantitative Cock 1pc









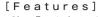
No.00257 M-1Cleaner 18L



No.00251 2B Cleaner 18L

2B Cleaner

2879-1-



- Class II petroleums has a high flash point, and it is safety comparing with class I petroleum.

 Low toxicity chemical cleaning agent.

 Dry slowly, strong clean power and easy handling.

 Reduces empty can waste by using refill spray bottle.

 (see page 17)

[Applications]

- •Cleans anti corrosive or cutting oil from metal parts, mould and
- tool, etc.

 Removes grease from gearbox and bearings.

 Removal of oil stains from hydraulic machinery or cylinders.

 Removal of oil dirty from chain.
- Cleaning of precision machinery.
 Cleaning of oily dirty surrounding automobile, forklift and brake.

Applicable temperature Normal temperature



Item No		
00251	2B Cleaner	18L x 1can

Mould Cleaner

Degreasing cleaner for mould



[Features]

- Product developed for clean mould.
 Simply removes cutting oil and powder generated during mould
- Simply removes coiling oil and powder generated doiling the processing.
 Simply removes anti-rust or anti-corrosive wax
 Not applicable to PRTR.
 Superior cleaning power, rapid dry and high work efficiency.

[Applications]

- •Chemical Cleaner for removal of cutting oil and powder
- generated during mould processing.

 •Removal of anti-corrosive agent and oily dirty for mould.

 •Removes oil stains from machines, equipment and parts.

[Performance]

		u o o	-	
ean Power	Drying speed	Influence on resin	Applicable temperature	Normal temperatur
1	**	*		

Please see page 16 regarding ★ mark.



00119	Mould Cleaner	500ml x 24pcs
00619	Mould Cleaner 840ml	840ml x 24pcs

M-1 Cleaner

Strong power degreasing cleaner, dry at medium speed

Mould Releasing Spray

Scribbling Varnish

Surface

Checking

Agent

Lubricant

Anticorrosive

/Special Paint

Adhesive

Sealing Agent /Others

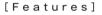
One-liquid Zinc-rich Primer Spray

Stainless Steel Surface Treatment

Welding Spatter Antifouling Agent /Welding Support Product

Groove Antirust Spray

Joining Parts Treatment Agent



- •A Strong power degreasing cleaner, get dried at medium speed.
 •Actual capacity is 15% increase than normal 840 ml can
- Actual capacity is 15% increase than notified 840 fm Can (Compared to our company's products)
 Glycolic brake oil gets mixed with dirty oil without separation.
 Not applicable to PRTR.
 Bottom-up spray is available, stainless nozzle sprays to every narrow openings.

- [Applications]

- Cleans anti corrosive or cutting oil from metal parts, mould and tool, etc.

 •Removes grease from gearbox and bearings.

 •Removal of oil stains from hydraulic machinery or cylinders.

 •Removal of oil dirty from chain.

 •Cleaning of oily dirty surrounding automobile, forklift and brake.



(Item No 00258)







00257	M-1 Cleaner 18L	18L x 1can
00258	M-1 Cleaner 840ml	840ml x 30pcs

Deposit Cleaner for Injection Mould Strong PRIR Strong

Strong & cleaning agent for injection mould

[Features]

Dissolving & removing gummy and thin stain film stuck on mould during plastic mould injecting. Helps reducing inferior goods.

Most suitable for easily stained resins, such as POM.
Applies based on stain situation during moulding intervals or after

work.
*Not able to be used when mould is warm. Applies when the mould temperature drops to room temperature.
*For mould storage, rust proof is necessary.

[Applications]

Used as gummy removing and deposit cleaning agent for injection mould.
 Degreasing cleaner for mould.

[Performance]

Clean Power	Drying speed	Influence on resin	Applicable temperature	Normal temperature
***	_	not applicable		

Please see page 16 regarding ★ mark.



00126	Deposit Cleaner for Injection Mould	420ml x 24pcs

Brake Clean

Strong power degreasing cleaner

- The most powerful cleaner among aerosol cleaners.

 Because it is not a quick dry type, penetrates and clearly cleanses oily dirty even with a small amount of cleaner.

 Glycolic brake oil gets mixed with dirty oil without separation.

 Not applicable to resin, rubber and paint surface because of its
- strong cleaning power.
 Able to remove oily ink.

[Applications]

- •Degreasing cleaner for metal parts.
- Removes oily dirty from pipe or motor, etc.
 Cleaning of oily dirty surrounding automobile, forklift and brake.
 Removal of marking paint and magic ink, etc.
 Removal of oil dirty from chain.

[Performance]

Clean Power Drying	g speed Influence on resin
***	not applicable

Applicable temperature Normal temperature





Item No	Product Name	Volumetric capacity Packing
00258	Brake Clean	500ml x 24pcs

Packing Stripper

Strong release agent



- A strong stripping agent compounded of met-hylene chloride and micro-molecular cellulose.

 Aerosol spray, easy applied to stripping surface.

 Stripping and removal of burnt oil, paint coat and adhesive agent, etc.

 After stripping, stains can be cleaned by water.

[Applications]

- •Stripping and removal of burnt packing of engine. (Cylinder Packing Ring and Cylinder Head Gasket)
 •Removal of stubborn oil stains, burnt carbon, sealing compound
- and adhesives.
 •Removal of every kind of paint.

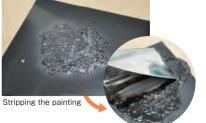
[Performance]

Clean Power	Drying speed	Influence on resin	Applicable temperature	Normal temperature
***	_	not applicable		

Please see page 16 regarding ★ mark.







00066	Packing Stripper	300ml x 24pcs

Please see page 16 regarding ★ mark.

Agent Lubricant

Surface

Checking

Anticorrosive

Scribbling Varnish Mould

Releasing Spray

Adhesive

Sealing Agent

One-liquid

Primer Spray Stainless Steel Surface Treatment

7inc-rich

Welding Spatter Antifouling Agent /Welding Support Product

Groove Antirust Spray



Air Duster

Blow dust by dry air







Surface

Checking

Agent

Lubricant

Anticorrosive

/Special Paint

Scribbling Varnish

Mould

Releasing

Spray

Adhesive

Sealing Agent

/Others

One-liquid 7inc-rich

Primer Spray

Stainless Steel

Surface

Treatment

Welding Spatter

Antifouling Agent

/Welding Support

Product

Groove Antirust

Spray

Joining Parts

Treatment Agent

[Features]

• Fasily blows off dust, waste thread and trash just by spray

Simply removes the dust from every narrow opening.
 Global Warming Potential 140 (about 1/10 of HFC-134a)
 Contains special gas absorbent, bottom-up spray is available and liquid gas doesn't spout out.

[Applications]

Used for computer, OA equipment, phototypesetter, camera, lens, scanner, FD, CD, Bills & coins processing machine, pinball machine, sewing machine, knitting machine, optical fiber connector, Television, VTR, etc.

[Performance]

Applicable temperature Normal temperature



DIOWING U	i dust oi ailius	ement machine
Item No		

00227	Air Duster	350ml x 24pcs

Bubbleless Clean

Non-bubbling, ion alkaline cleaner

[Features]

- •It is ion alkaline cleaner that contains no surfactant.
- It is ion alkaline cleaner that contains no surfactant.
 Non-bubbling as it doesn't contain surfactant.
 Water based cleaner so it is not sticky afterwards.
 Besides mineral oil, removal of animal and vegetable oil, protein stains, etc.
 Most suitable to be used as ultrasonic system cleaner.

[Applications]

- •Removal of oily dirt from machines, parts, tools and factory
- equipment, etc.

 •Used as cleaner of ultrasonic cleaning system or high pressure cleaning machine.

 •Cleaner for Food Factory and Kitchen.

 •Cleaner for approach floor of bowling alley.

 *Available to be applied by undiluted solution or water-diluted

[Performance]

рН	13,alkalinity
Cleaning Power	**
Odorless	colorless, transparent liquid
Applicable temperature	Normal temperature

Quickly washes off paint, ink and oily dirt stains on hands. (Liquid Hand Soap)
Scrub particles and solvent help to clean obstinate dirt strongly. Gently care hands with pure sericin, aloe and natural herb.
Leaves your hands soft and smooth after washing.

Different from other soap powder, it is a neutral liquid soap

which doesn't cause the blockage in the drainpipe.

•Cleans obstinate dirt stains (paint, ink, oil, etc) on hands.







Cleaning Approach Floor of Bowling Alley

Item No		
00451	Bubbleless Clean	20L x 1box

/Special Paint

Surface

Checking

Agent

Lubricant

Anticorrosive

Scribbling Varnish

Mould Releasing Spray

Adhesive

Sealing Agent

One-liquid 7inc-rich

Primer Spray

Stainless Steel Treatment

Antifouling Agent /Welding Support Product

Groove Antirust

Spray

Joining Parts

Treatment Agent

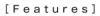
Welding Spatter



00521 2.5kgs x 6bottles 00522 2.0kgs x 6bags Bio-soap 16 kgs 00523 16kgs x 1box

Electronic Parts Cleaner

Degreaser for electronic parts



- Cleaning of circuit board, joint points and terminals.
 Removal of carbon of electronic contacts, greasy oil, etc.
 Not applicable to PRTR. A chemical cleaning agent with very
- low toxicity.

 •Quick dry, low influence on resin and rubber.

[Applications]

- Cleaning electric and electronic equipment, precision machines, general machines and parts, etc.
 Cleanses relay contact of various electronics, recovery of
- contact function.

 •Cleaning of pin jack, volume, and connector, etc.
- Used as degregsing cleaner for metal parts, etc.

[Performance]

Applicable temperature Normal temperature

Attention: This product is flammable. Turn off electric power when spray at machines. Don't spray a lot amount at rubbers, plastics and

coated surfaces.



00117	Electronic Parts Cleaner	420ml x 24pcs

Multi-Cleaner N / Display Cleaner Not Low







Anti-static agent compounded, multi-degreasing cleaner

- Removes fingerprint, dirt from display panel and glass.
 Quick dry, no white slag or uneven wiping trace left on the surface.

 • Preventing static electricity because of static agent
- compounded.

 •Don't get frozen even in winter or cold district.

 •Able to clean Oily Magic Mark.

[Applications]

- •Clearly cleans various screens, for example, the screen of TV,
- Clearly Cleans various screens, for example, the screen of IV, computer, car novigation system and touch panel, etc.
 Cleans glass, window and mirror, etc.
 Cleaning of duplicator, OA equipment, exterior of electric appliances, milky white plastic and glass.
 Cleaning maintenance for amusement equipment, magnetic head, cassette and IC card, etc.



Applicable temperature Normal temperature



00268	Multi-Cleaner N	500ml x 6pcs
00269	Display	4L x 1bottle

バイオソーフ

•Cosmetic grade liquid soap for washing your hands with scrub

Sericiene Hand Soap 2.0 kgs

- Contains biodearadable scrub particles.

- Contains biodegradable scrub particles.
 Biodegradable scrub particles deeply penetrate into obstinate dirt to wash the hands clearly.
 Moisturizing ingredients, such as hyaluronic acid, collagen, royal jelly extract gently care your hands.
 Different from other soap powder, it is a neutral liquid soap which doesn't cause the blockage in the drainpipe.

Cleans obstinate dirt stains on hands









PP-MAPPY

Sericiene Hand Soap 16 kgs



Bio-Soap

Biodegradable scrub compound, cosmetic grade hand soap

Sericiene Hand Soap

[Features]

[Applications]

Scrub compound, cosmetic grade soap for washing hands

[Features]

- compounded.

[Applications]











Blue Varnish Spray / Aotack 50 / Aotack 500

[Features]

- Easy application spray with high adhesion.
 Coating film is 0.005mm thick. Suitable for clear and precise scribbling.
 Suitable to be applied to metal and glass surface.
 Rapid dry (within 1 minute), shortens waiting time.
 Aerosol type (Blue varnish spray) and brushing type (Aotack 50) are available.

 *Replenishes Actack 50 with Actack 500.

- *Replenishes Aotack 50 with Aotack 500.

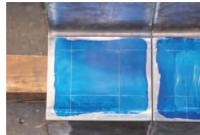
[Applications]

•For scribbling on machines, electric instruments, devices, parts and metal surface with grinds.

[Performance]

Applicable temperature Normal temperature

Item No	Product Name	Volumetric capacity Packing
00101	Blue Varnish Spray	300ml x 24pcs



Item No	Product Name	Volumetric capacity Packing
00102	Aotack 50	50ml x 48pcs
00110	Aotack 500	500ml x 24pcs

White-Pen Spray

Paint for line-drawing / White

Releasing

Surface

Checking

Agent

Lubricant

Cleaner

Adhesive

Sealing Agent

One-liquid 7inc-rich Primer Spray

Treatment

Welding Spatter Antifouling Agent /Welding Support Product

Groove Antirust Spray

Joining Parts Treatment Agent

[Features]

- •It is a white scribbling spray, easy & simple operation.
 •Coating film thickness: 0.01mm. Covers uneven surface, finish up with clear and precise scribbling.
 •Excellent adhesiveness, applicable to all kinds of metal surfaces
- and cast iron.

 •Rapid dry (within 3 minutes); shortens waiting time.

[Applications]

•For scribbling onto machines, casting, devices and metal surface with dark color.

[Performance]

Applicable temperature Normal temperature



ltem No	Product Name	Volumetric capacity Packing
00103	White - Pen Spray	420ml x 24pcs

Blue Layout Ink Remover

Removal of varnish Paint / Powerful degreasing spray

- •Rapid dry and easy removal of scribbling paint.
- Spray type, easy access to any location.
 Washing agent for cleaning oils from metal parts and metal working products.

[Applications]

- For removal of BLUE VARNISH, AOTACK and WHITE PEN SPRAY.
 Washing agent for cleaning oils from metal parts, mould and
- tools.

 •Cleaning of anti-corrosive agent applied on metals.

[Performance]

Applicable temperature Normal temperature



Item No	Product Name	Volumetric capacity Packing
00104	Blue Layout Ink Remover	420ml x 24pcs
00604	Blue Layout Ink Remover 15L	15L x 1can

Blue Varnish Spray S

Not applicable to PRTR-Spray for line-drawing/blue

[Features]

- $\bullet\mbox{With dark blue color, gentle on eyes. Spray type, easy and}$
- with aark blue color, gentle on eyes. Spray type, easy simple operation.
 Safe to use. Harmless to the environment and human body.
 Film thickness is 0.005mm. Suitable for precise scribbling.
 High adhesion, Suitable for metal and glass surface.
 Rapid dry (within 1 minute); cuts time down on drying.

[Applications]

•For scribbling on machines, electric instruments, devices and metal surface with grinds.

[Performance]

Applicable temperature Normal temperature





Item No	Product Name	Volumetric capacity Packing
00151	Blue Varnish Spray S	420ml x 24pcs

White-Pen Spray S

Not applicable to PRTR·Spray for line-drawing /white

[Features]

- It is a white scribbling spray, easy & simple operation.
 Safe to use. Harmless to the environment and human body.
 Excellent adhesiveness, applicable to all kinds of metal surfaces
- and cast iron.
 •Film thickness: 0.01mm. Covers uneven surface, finish up with
- clear and precise scribbling.

 •Rapid dry (within 3 minutes); shortens waiting time.

[Applications]

•For scribbling onto machines, casting, devices and metal surface with dark color.

[Performance]

Applicable temperature Normal temperature



Item No	Product Name	Volumetric capacity Packing
00153	White-Pen Spray S	420ml x 24pcs

Blue Layout Ink Remover S

Not applicable to PRTR•Remover for varnish paint

[Features]

- •Rapid dry and easy removal of scribbling paint.
 •Safe to use. Harmless to the environment and human body.
 •Powerful degreasing spray, easy access to any location.

[Applications]

◆For removal of Blue Varnish Spray S, White-Pen Spray S
 ◆Washing agent for cleaning oils from metal parts, mould, etc.

[Performance]

Applicable temperature Normal temperature



		Volumetric capacity Packing
00154	Blue Layout Ink Remover S	420ml x 24pcs
00632	Blue Layout Ink Remover S 18L	18L x 1can

Surface Checking

Lubricant

Agent

Anticorrosive

Cleaner

Scribbling Varnish

Releasing

Adhesive

Sealing Agent

One-liquid Zinc-rich Primer Spray

Stainless Steel Treatment

Welding Spatter Antifouling Agent /Welding Support Product

Groove Antirust Spray



Mould Releasing Agent

高粘度シリコ・シ

植物油脂

Available for mould release of various thermoplastic resin, thermosetting resin, phenol resin and PET.
 Aerosol Spray. / Uniform Application. / Long Lasting.
 00124 and 00637 with different application are available for Secondary Process.



Surface Checking Agent

Lubricant

/Special Paint

Cleaner

Scribbling Varnish

Adhesive

Sealing Agent

/Others

One-liquid

7inc-rich Primer Spray

Stainless Steel Surface Treatment

Welding Spatter Antifouling Agent /Welding Support Product

Groove Antirust Spray

Joining Parts Treatment Agent

Mould Release Agent **High Viscosity** Silicone Type



- Contains high viscosity silicone, excellent durability.
 Available for both thermoplastic resin and
- thermosetting resin.

 •Used for rubber mould releasing.

 •Excellent in thermal stability (Heat resistance:
- 200~250°C)

[Applications]

- Used for thermoplastic resin, such as, PE, PP, PS, ABS, A S, PMMA, PC, nylon, polyacetal.
 Applies to thermosetting resin, such as, phenol, urea, melamine, epoxy, unsaturated polyester, etc.

Item No		
00122	Mould Release Agent High Viscosity	420ml x 24pcs

Mould Release Agent Low Viscosity Silicone Type



低粘度シリコーシ

- Contains low viscosity silicone, penetrates to any complicated places.
 Available for both thermoplastic resin and
- thermosetting resin.
 Hardly any weld line occur.
- Excellent in thermal stability (Heat resistance: 200~250°C)

[Applications]

- Used for thermoplastic resin, such as, PE, PP, PS, ABS, A S, PMMA, PC, nylon, polyacetal.
 Applies to thermosetting resin, such as, phenol, urea, melamine, epoxy, unsaturated polyester, etc.

00121	Mould Release Agent Low Viscosity	420ml x 24pcs

Mould Release Agent Lecithin Oil Type

[Features]

- A paintable mould release agent, vegetable lecithin as the major ingredient.
 No silicone oil contained.
 After releasing the mold, gluing, painting and printing can be processed with little effect on the original point.
- •Excellent in thermal stability. (Molding
- temperature: 330°C, Metal Mold temperature: 120°C)

[Applications]

- Mould release for thermoplastic resin like polyacetal, PE, PP, PS, ABS, AS, PMMA, PC,
- Mould releasing agent applies to high temperature mould, such as Polysulfone, etc.

00124	Mould Release Agent Lecithin Oil Type	420ml x 24pcs

Mould Release Agent Fluorine Type R





[Features]

- No negative influences on electric contact point, suitable for electric parts molding.
 Good at release of rubber resin, silicone resin and fluororesin mould.
 Gluing, painting and printing are available when only small amount of this agent is
- •Excellent in thermal stability. (Heat-resistant:

[Applications]

- Mould Release for plastic and various rubber.
 Applicable to thermoplastic resins, phenol resin, PET, FRP, SMC.
- Used for releasing of silicone mould when producing of prototypes.

		Volumetric capacity Packing
00637	Mould Release Agent Fluorine Type R	420ml x 24pcs

Shuttle Protector FS



- Because it contains both Fluorine and Silicone, able to prevent mould from sticking, excellent mould releasing effect.

 Available for both thermoplastic resin and thermosetting resin.

[Applications]

- •Mould release for thermoplastic resin, such as PE, PP, PS, ABS, AS, PMMA, PC, nylon and
- Mould releasing agent applies to high temperature mould, such as Polysulfone, etc.

00638	Shuttle Protector FS	420ml x 24pcs



Mould releasing of plastic prototypes at silicone mould





Silicone mould

[Mould Release Agent Choice Sheet]

Mould Release Agent High Viscosity Silicone Type

Mainalannadiant						
Major Ingredient						Silicone, Fluorine
Silicone	200~250℃	Unavailable	0	0	0	×

Mould Release Agent Low Viscosity Silicone Type

Maior In more disease						
Major Ingredient						Silicone, Fluorine
Silicone	200~250℃	Unavailable	0	0	Δ	×

Mould Release Agent Lecithin Oil Type

Major Ingredient						Silicone, Fluorine
Vegetable Phospholipid	300℃	Painting & Plating is available	0	Δ	Δ	×

Mould Release Agent Fluorine Type R

Major Ingredient						Silicone, Fluorine
Special Fluorine Compound	200~250℃	Painting & Plating is available	0	0	0	0

Shuttle Protector FS

				Mould Release Ability			
Major Ingredient						Silicone, Fluorine	
Silicone Fluorine Compound	250℃	Unavailable	0	0	0	0	



Checking Agent

Surface

Lubricant

Anticorrosive /Special Paint

Cleaner

Scribbling Varnish

Adhesive

Sealing Agent

One-liquid 7inc-rich **Primer Spray**

Stainless Steel Surface Treatment

Welding Spatter Antifouling Agent /Welding Support Product

Groove Antirust Spray

Checking

Agent

Lubricant

Anticorrosive

/Special Paint

Cleaner

Scribbling

Varnish

Mould

Releasing

Spray

Sealing Agent

One-liquid

7inc-rich

Primer Spray

Stainless Steel

Surface

Treatment

Welding Spatter

Antifouling Agent

/Welding Support

Product

Groove Antirust

Spray

Joining Parts Treatment Agent

AD ACE

Adhesive of synthetic rubber



[Features]

- Aerosol spray with strong adhesion, quick dry.

 Do not penetrate into paper and cloth, so its adhesive force Excellent adhesive force with a little spray.
 Applicable to styrene foam.

[Applications]

- For pictures and posters.
- For all kinds of sewing paper patterns, such as appliqué and felt.
 For adhesion of all kinds of heat-insulting material, sound absorbing material of wool glass, styrene foam and urethane
- Temporary adhesion for car lining.

[Performance]

Applicable temperature	Below 60°

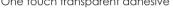


Item No	Product Name	Volumetric capacity Pac
00131	AD ACE	420ml x 24pcs

Spray AD

One touch transparent adhesive

KOHZA



[Features]

- Vinyl adhesive applied to cloth and paper.
 Aerosol spray with strong adhesion, quick dry.
 Used for temporary adhesion because it can be stuck on and off

[Applications]

- Temporary adhesion for dressmaking and paper pattern. (Fixation of paper patter and cloth)
 Temporary adhesion for all kinds of sewing paper patterns, such as appliqué and felt.
 Paper adhesive for arts, print, layout and design work, etc.
 Fixation of photosentive resin, rubber sheeting, plastic sheet and plate.

- •For heat insulating material. (heat/cool preservation)

[Performance]

Applicable temperature Below 50°C



00432 Spray AD 420ml x 24pcs			
	00432	Spray AD	420ml x 24pcs

NK Steel 816

Metal adhesive material

[Features]

- Metal adhesive putty, cutting off moderate amount by cut-knife.

 30 Minutes after application, grinding by the way of drilling, tapping and sanding.

 Repairs screw with stripped head and broken metal parts. Moreover, because top coating is available, it can also be used for repair of aero-parts. (Various usages)

 Bonding the places between metal and woodwork, metal and resin repairing the places between metal and broken resin
- resin; repairing the places between metal and broken resin
- •Top coating is available after reparation.

[Applications]

- •Bonding or reinforcement of metal parts.
- Repairs metal parts, screws, or plastic parts except PP and PE.
 Repairing screws with stripped head.

Applicable temperature

[Performance] Applicable time 3 ~ 5 min Durometer Hardness(D) (25°C 85 70 N/mm Compression Strength(25°C 7N/mm² Shearing Strength (25°C)

-40°C~150°



Item No	Product Name	Volumetric capacity Packing
00816	NK Steel 816	114g x 24pcs

RTV Gasket

Silicone solventless sealing agent

[Features]

- De-oxime single-fluid RTV rubber.
 Reacts with vapor in the air and hardens into a rubber-like elastic substance at normal temperature.
 Excellent at heat and cold resistance (-40°C~+240°C), oil/water
- resistance and electrical insulating.

[Applications]

- For sealing of electrical and electronics equipments (terminal of. cables and motors, heat insulation of heaters and joints of refrigerator.)
 For sealing of window glass, sash, concrete and mortar, etc.
 As sealing agent for dust collecting equipment, ventilation equipment, heating /cooling duct.
 For connecting flanges' surface
 Used as liquid packing for engine, etc.

[Performance]

Applicable temperature	-40°C~240°C



NX77 RTV Gasket

Black

RTV Gasket RTV Gasket

Item No	Product Name	
00077	RTV Gasket White	100g x 24pcs
00078	RTV Gasket Black	100g x 24pcs
00079	RTV Gasket Red	137g x 24pcs

Oil Hunter

High efficiency oil adsorbent, natural fiber (cotton)

[Features]

- •The material of Oil Hunter is natural fiber (cotton).
- High power adsorption, compared to polypropylene (PP).
 Effecting on high viscosity and high temperature oil no matter it is mineral oil or animal and vegetable oil.
 Calorific Value generated during incinerating is about half of PP
- •One piece of Oil Hunter can absorb around 2L of oil.

[Applications]

Used as oil and water separator, flowing oil adsorption of drainage canal in factory, kitchen, and gasoline station.
 A absorbing agent when oils flow in an emergency.
 Oil subdivision, absorbing oil spilled when changing brake parts,

about 100a

18.23g

[Performance]





\neg	Item No	Product Name	Volumetric capacity Packing
	00985	Oil Hunter	100sheets (50cm x 50cm)
	00987	Oil Hunter	2rolls (50cm x 33m)







Releasing Spray

Surface

Checking

Agent

Lubricant

Anticorrosive

/Special Paint

Cleaner

Scribbling

Adhesive

One-liquid 7inc-rich **Primer Spray**

Stainless Steel Surface Treatment

Welding Spatter Antifouling Agent /Welding Support Product

Groove Antirust Spray



One-Liquid Rich Zinc Primer

[Features]

Surface

Checking

Agent

Lubricant

Anticorrosive

/Special Paint

Cleaner

Scribbling

Mould

Releasing

Spray

Adhesive

Sealing Agent

Stainless Steel

Surface

Treatment

Welding Spatter

Antifouling Agent

/Welding Support

Product

Groove Antirust

Joining Parts

Treatment Agent

- •One-liquid aerosol type, zinc rich epoxy paint.
- •While ultramicro zinc powder with super anti-rust property reacts on the iron surface electrochemically, its coated zinc surface is stabilized and transformed to insoluble film to strengthen anti-corrosion performance furthermore.
- •F seriese does not contain toluene and xylene. Environment Friendly product.
- •Almost all lacquer can be painted on the zinc-coated surface. (Not applicable to phthalic anhydrous paint for it may cause peeling between layers).

[Applications]

- •Applicable to ships, storage spaces, tanks, bridges and harbor installations.
- •Rust proof for railway equipment, electric generation and transmission facility, building construction, vehicles, etc.
- •Repairs scratch on galvanized surface, burned stain or dirty
- •Anti- rusting or repairs cutting plane, welding surface or scratches caused during installation operation.
- •Used as anticorrosive & repair paint applied to galvanized areas around constructive scaffold.

Type 1: High-Concentration of Zinc

Zinc powder contained in dry paint film is over 84%.

Almost all lacquer can be painted on the zinc-coated surface. Anti-corrosion is a major purpose of zinc base coat (gray

Mainly used in shipyard, harbor installations, etc. or as a rust inhibitive primer of base coat.

Type 2: Shiny silver color

A repair paint with shiny silver color which similar to hot dip aalvanizina.

Repair of damaged hot - dip galvanized coatings, or provide it with a shiny final coating on construction sites. Use after applying type 1 (high-concentration of zinc) to the base coat, will finish a rust proof and clear shiny coat.

The major usage of type 2 is to regain the clear coating, repair and color reproduction of the dull color like gray or black/gray occurred during hot - dip galvanizing to match the surrounding galvanized coat. Repairs cutting plane, welding surface in construction sites after application of type 1 (high-concentration of zinc)

Type 3: Environmentally conscious F serious

One liquid zinc rich Primer, not applicable to PRTR.

TX (toluene and xylene) free, ecological products, anti-corrosion and dry time are almost the same Environment Friendly with the existing products.















[Specification table]

Products Name	Coat 95	Zinc Coat	Klin-Zinc	Zinc Coat SA	Klin-Zinc L	Zinc Coat F	Klin-Zinc F	Klin-Zinc LF
Item No	00095	00130	70977	00137	72351	00139	00453	00438



Image of coating color *Note1								
Zinc powder in dry paint film	over 95%	over 84%	over 77.5%	over 73%	over 10.9%	over 84.8%	over 77.6%	_
Specific gravity	2.37	1.75	1.25	1.58	0.93	1.65	1.60	0.88

of liquids	2.37	1.75	1.25	1.58	0.93	1.65	1.60	0.88
Salt Spray Test	Over 1000hours	Over 500hours	Over 200hours	Over 400hours	_	Over 500hours	Over 200hours	_
Outdoor Exposure	Over 2years	Over 2years	_	Over 2years	_	Over 2years	_	_
Film thickness *Note2	15~25μm	15~25µm	5~15µm	15~25µm	5~15µm	15~25μm	15~25µm	5~10µm
Cross cut adhesion test	100/100	100/100	100/100	100/100	100/100	100/100	100/100	100/100
For last coating *Note3	0	0	×	×	×	0	×	×
Tacky dry / 20°C(standard)	About 5minutes	About 5minutes	About 5minutes	About 10minutes	About 15minutes	About 5minutes	About 5minutes	About 5minutes
Hard dry	8hours	7hours	7hours	8hours	24hours	8hours	7hours	12hours
Coated area *Note4	0.3~0.5m	0.4~0.6m²	0.2~0.3m	0.4~0.6m	0.8~1.2m	0.4~0.6m	0.4~0.6m²	1.4~1.8m
Heat Resistance (short period)	180℃	180℃	180℃	180℃	180℃	100℃	100℃	100℃
Heat Resistance (long period)	Below 150℃	Below 150℃	Below 150℃	Below 150℃	Below 150℃	Below 80℃	Below 80℃	Below 80℃

Inner Capacity	300ml	450g	420ml	420ml	420ml	420ml	420ml	420ml
Packing	24pcs/ctn							

Print color may slightly differ from %Note1 actual color.

*Note2 Standard of single coat. May slightly differ based on spray speed and distance

Note3 Not applicable to phthalic anhydrous paint for it may cause peeling between lavers.

*Note4 Coated area is calculated based on the film thickness from 30 to 40um. Big difference may occur by difference of application method.



Anti-rust repair for scaffording of construction



Glossy silver repair for hotdip galvaning

Surface Checking

Lubricant

Anticorrosive Special Paint

Cleaner

Scribbling Varnish

Mould Releasing Spray

Adhesive

Sealing Agent

Stainless Steel Treatment

Welding Spatter Antifou**l**ing Agent /Welding Support Product

Groove Antirust

Joining Parts

Super Stainbrite

Up to now, we use Nitric Fluorine Acid, Hydrochloric Acid and Sand paper to remove oxidized scale and temper color arose from welding, but these cleaning methods have some problems as follows: 1.Aggravation of the work environment by wasted acid and fine particles. 2. Beauty of stainless steel surface is spoiled by fusion and grinding. 3. Waist a lot of time and cost.

On the contrary, Stainbrite and Stainlight series can not only solve these problems but also lightweight and easy to be handled.



Super Stainbrite FST-1021K

[Features]

Electrochemically removes burnt deposit.
 A small, lightweight, portable and high grade equipment.
 High power, quickly removing stains on stainless steel by neutral electrolyte

solution.

•Polishing by acid electrolyte solution is

available.

Removal of titanium welding spot.

Forms passivation film.

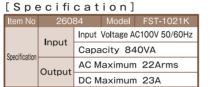
Able to be used from hot stainless steel to polished stainless steel.

[Functions]

•Adopt special multiple output current

•Semiconductor rectifier output stepless

**Serincultation Feature Output stepless variable.
 **4 switching circuit models.* refer to each model function.
 *Over-current protection circuit.



[The function of each mode]

Mode	Waveform·Application				
H-Burn marks removal	Alternating Waveforms				
★Removal of acid	d scale,★Primary treatment for titanium burnt mark.				
E- Burn marks removal	Pulse Waveforms				
★Removal of ac	sid scale.★Removing rust from stainless steel.				
H- Polish	Direct Waveforms				
★Removal of	acid scale.★Passivation treatment.				
Special Positive and negative terminal are in opposite					
★Secondary treatment for titanium burnt mark.					



■Details of Standard set

Cables

②Power cord 3mx1 3Grip cable 5mx1 4Earth clip 5mx1 Mop-others

5Cap - shape mop (S) 50pcs ®Technola mop (S) 10pcs

Technola mop (L) 10pcs ®Glass fiber cloth 10pcs

9Electric holder 1pc

①Sharp tip 1pc

Plate tip(S) 1pc [®]Plate tip(L) 1pc

 $^{\mbox{\tiny \bar{15}}}\mbox{An instruction manual, A Certificate of Registration, A Chart$ Electrolyte Solution

®Stainbrite FB-1 500mI ①Stainbrite EH-700 500ml

®Stainlite H-800 500ml ®Stainlite Neutralizer 500ml

Super Stainbrite / Parts · Accessories

Item No	Parts · Accessories	Size	Packing	Application
70986	Power cord 3mx1	3m 1pc Power cord for Super		Power cord for Super Stainbrite.
68605	Grip cable 5mx1	5m	1pc	Grip cable for Super Stainbrite.
68604	Earth clip 5mx1	5m	1pc	Earth clip used for Super Stainbrite.
70729	Cap-shape mop (S)	(Fingertip size of cotton gloves)	200pcs	Neutral electrolyte solution, Burning Removal Mode, Covering Sharp Tip.
71118	Technola mop (S)	40mm×50mm	40pcs	Acid electrolyte solution, Burning Removal and Polishing Mode, For covering Plate Tip(S).
71135	Technola mop (L)	65mm×65mm	30pcs	Acid electrolyte solution, Burning Removal and Polishing Mode, For covering Plate Tip(L).
70302	Glass fiber cloth (L)	50mm×30m	1pc	Neutral and Acid Electrolyte Solution, Burning Removal Mode, For covering Plate Tip.
70703	Electrode holder	_	1pc	Fixed to the plate tip.
_	Elastic tip	_	1pc	Used for Super Stainbrite.
70702	Sharp tip	_	1pc	Used for Super Stainbrite.
72323	Plate tip (S)	_	1pc	Used for Super Stainbrite.
65085	Plate tip (L)	_	1pc	Used for Super Stainbrite.

Stainbrite Neutral Electrochemical Liquid to remove burn marks from stainless steel

Item No	Product Name	Packing	General F	Properties Color	Features	Мс	ode	
26133	STAINBRITE EH-400 4L	1bottle	Neutrality	Purple	Dustless. Secondary burn difficult to happen. Available for semi-conductor and	H Burning Removal	E Burning Removal	
26132	STAINBRITE EH-400 20L	1bottle	pH6.5	Fulple	workpieces difficult to be washed by water.	H Polish	Special	
26138	STAINBRITE EH-700 4L	1bottle	Neutrality	Purple	Strong type of EH-400.Available for semi-conductor and		E Burning Removal	
26137	STAINBRITE EH-700 20L	1bottle	pH7.0	ріо		workpieces diffilcult to be washed by water.	H Polish	Special
26149	STAINBRITE FB-1 4L	1bottle	Neutrality Lig	' light	Strongest Cleaning power among neutral cleaning agent, suitable	H Burning Removal	E Burning Removal	
26150	STAINBRITE FB-1 20L	1bottle	pH7.0	Green	for stubborn burn mark.	H Polish	Special	
26017	STAINBRITE F-200D 4kgs	1bottle	Neutrality pH7,0	Colorless	Available for Passivation Treatment.	H Burning Removal	E Burning Removal	
			p⊓1.0			H Polish	Special	

Stainlite Acid Electrochemical Liquid to remove burn marks from stainless steel · Immersion chemical

Item No	Product Name	Packing	General F	Properties Color	Features	Мс	ode
25876	STAINLITE H-800 5kgs	1bottle	Acidity	Blue	Strong power removal type.Available for polishing treatment .	H Burning Removal	E Burning Removal
25866	STAINLITE H-800 20kgs	1bottle	pH2.0	blue	Removal of titanium burnt mark. (Special Mode)	H Polish	Special
26153	STAINLITE H-900 5kgs	1bottle	Acidity	Light Blue	•Stronger than H-800.	H Burning Removal	
26154	STAINLITE H-900 30kgs	1bottle	pH2.0	LIGHT DIGE	Available for polishing treatment.	H Polish	Special
25873	STAINLITE C-100 4kgs	1bottle	Acidity	White	Removes rust from stainless steel.No drop because of paste viscosity.	Don't	
25872	STAINLITE C-100 20kgs	1bottle	pH1.7	(Paste)	Not applicable to Poisonous & Deleterious Substance Control Law.	Super Stainbrite.	
26021	STAINLITE NEUTRALIZING CLEANER 4kgs	1bottle	Alkalinity	Yellow	●For neutralizing acid cleaner	Don't	
25862	STAINLITE NEUTRALIZING CLEANER 20kgs	1bottle	pH12.0	761104	Available for metal cleaning		brite.







STAINBRITE FH-700



STAINBRITE FB-1



STAINLITE H-800



STAINLITE C-100



STAINLITE NEUTRALIZING CLEANER



Removing welding burn mark

Local polishing

Matting, passivation treatment



Scribbling Varnish

Spray

Mould

Releasing

Surface

Checking

Lubricant

Anticorrosive

/Special Paint

Cleaner

Adhesive Sealing Agent

One-liquid 7inc-rich Primer Spray

Welding Spatter Antifouling Agent /Welding Support Product

Groove Antirust

Joining Parts

Surface

Checking

Agent

Lubricant

/Special Paint

Cleaner

Scribbling

Varnish

Mould

Releasing

Spray

Adhesive

Sealing Agent

One-liquid

Zinc-rich

Primer Spray

Welding Spatter

Antifouling Agent

/Welding Support

Product

Groove Antirust

Spray

Klin Spatter

Anti-spatter agents

•Klin Spatter is used to prevent adhesion of unwanted spatter, generated in welding processes. These anti-spatter agents are helpful in reducing the unnecessary labor costs involved removal of spatter and improving the finish of the welded article. It is pollution-free, safe, easy – operation, economy, efficiency and rust-proof.

A massive range of product items, including big drum and aerosolized products, all of which have excellent spatter release effect.

•Klin Spatter series prevent rust within short period.



420ml x 12ncs

18kgs x 1can

60kgs x 1can

420ml x 12pcs

420ml x 12pcs

Surface Checking Agent

Lubricant

Anticorrosive /Special Paint

Cleaner

Scribbling Varnish

Mould Releasing Spray

Adhesive

Sealing Agent /Others

One-liquid Zinc-rich Primer Spray

Stainless Steel Surface Treatment

Welding Spatte Antifouling Ager /Welding Suppo Product

Groove Antirust Spray

Joining Parts Treatment Agent

Klin Spatter Overcoat Available Type

ES-55/E-32/Z



[Features]

Available to be overcoated by paint because a hardened film forms on the welding surface. It is not necessary remove Klin Spatter film before painting.
Generally used as anti-spatter agent for SS(Iron).

Not able to be applied to stainless steel conducted with electrodepositon or plating.

Please pretest when special paint is to be



			Volumetric capacity Packing
	20533	Klin Spatter E-32 3kgs	3kgs x 4pcs
,	20532	Klin Spatter E-32 18kgs	18kgs x 1can
ĺ	20530	Klin Spatter E-32 198kgs	198kgs x 1drum
ı	20752	Klin Spatter Z 18kgs	18kgs x 1can

20555 Klin Snatter FS-55 198kgs 198kgs x 1drum

20558 Klin Spatter ES-55

20557 Klin Spatter FS-55 18kgs

20556 Klin Spatter ES-55 60kgs

Klin Spatter Overcoat & Removal OK Type

[Features]

After welding, either overcoat or removing is available.
Can be used to both SUS and SS.

Electrodepositing or plating can be conducted after removing the coating film.
Please pretest when special paint is to be



20613	Klin Spatter 300 3kgs	3kgs x 4pcs
20612	Klin Spatter 300 18kgs	18kgs x 1can
20611	Klin Spatter 300 198kgs	198kgs x 1drum
20636	Klin Spatter 500 18kgs	18kgs x 1can
20687	Klin Spatter W-2000 18kgs	18kgs x 1can
20685	Klin Spatter W-2000 198kgs	198kgs x 1drum
20691	Klin Spatter W-1000 18kgs	18kgs x 1can
20690	Klin Spatter W-1000 198kgs	198kgs x 1drum

Klin Spatter Removable Type

AW/AX/AX-2/M/S



[Features]

 After welding, coating film is easy to be removed.

removed.

• Generally used as anti- spatter agent for SUS (Stainless).

*Paint will come off if the coating film is not

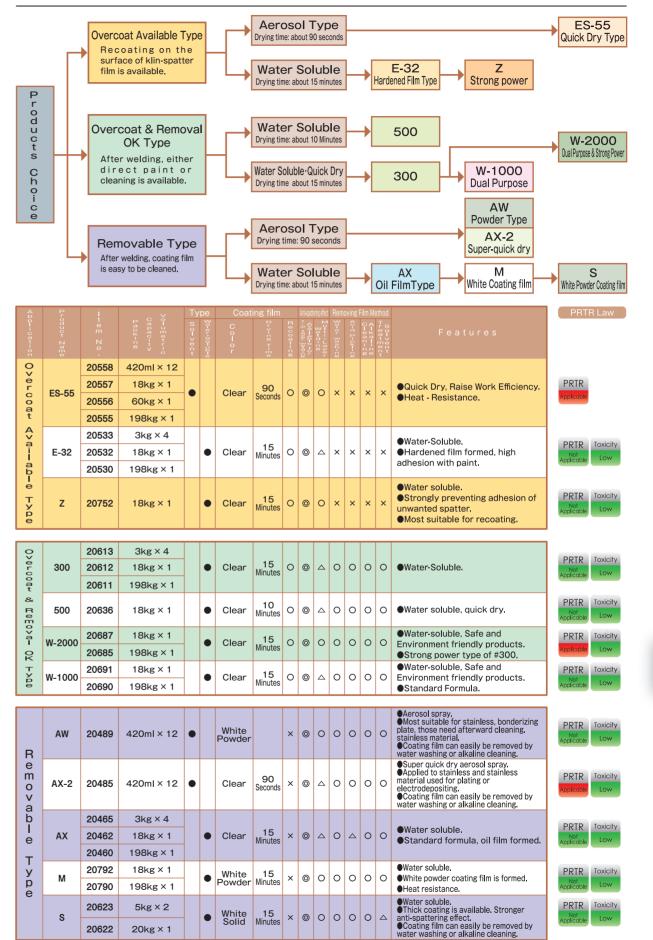
removed.
Painting is available after removing coating

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-30A			
No.	- A 11	1	М
	a lette		
			<u> </u>
(F)	-	100	
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Item No		
20465	Klin Spatter AX 3kgs	3kgs x 4pcs
20462	Klin Spatter AX 18kgs	18kgs x 1can
20460	Klin Spatter AX 198kgs	198kgs x 1drum
20792	Klin Spatter M 18kgs	18kgs x 1can
20790	Klin Spatter M 198kgs	198kgs x 1drum
20623	Klin Spatter S 5kgs	5kgs x 2pcs
20622	Klin Spatter S 20kgs	20kgs x 1can

20489 Klin Spatter AW

20485 Klin Spatter AX-2



Surface Checking Agent

Lubricant

Anticorrosive /Special Paint

Cleaner

Scribbling Varnish

Mould

Releasing

Spray

Adhesive

Sealing Agent /Others

One-liquid Zinc-rich Primer Spray

Stainless Steel Surface Treatment

Antifouling Agent /Welding Support Product

Groove Antirust

Joining Parts Treatment Agent

Torch Klin

•Solve the weak point for all automatic, semi-automatic welding machine and new era welding robot.

A new anti-spatter agent used for torch, guarantees high efficient and high precise processing.

•Solid type, oil-base, water-base, ceramics compounding Torch Klin are available.



Torch Klin



[Features]

[Perfor	mance]
Category	Solid
Outward Appearance	Green paste

Specific Gravity 0.90

]	27913	Torch Klin 300g	300g x 10pcs
	27912	Torch Klin 15kgs	15kgs x 1can

Cleaner

/Special Paint

Surface

Checking

Agent

Lubricant

Scribbling Varnish

Releasing Spray

Adhesive

Sealing Agent

One-liquid Zinc-rich Primer Spray

Treatment

Groove Antirust Spray

Joining Parts Treatment Agent

Torch Klin Super



[Features] •Oil - base agent. •Used for robot

•Special oil which has heat resistant Special oil which has near resistant and removing properties prevents spatter from attaching to inside nozzle.
 Nozzle tip doesn't get clogged.
 Also available to positioners and technique.

[Performance]

Category	Oil base
Outward Appearance	Light brown transparent liquid
Specific Gravity	0.91

27939	Torch Klin Super	220ml x 12pcs
27943	Torch Klin Super 4L	4L x 1pc
27942	Torch Klin Super 18L	18L x 1can

Torch Klin KS



[Features]

•Water soluble agent.

Powerful type.
Available for a cold nozzle.

Category	Water Soluble	
Outward Appearance	Light brown transparent liquic	
Specific Gravity	1.01	

[Performance]

27922	Torch Klin KS	18kgs x 1can

Torch Klin 21



#99-32 01

[Features]

- Suitable for high temperature and high current service torch.
 Excellent adhesion.
 The most suitable for continuous service of robot welder.

[Perfor	mance]
0-4	0 : 5

[1 61 101	manoc
Category	Ceramics compounding
Outward Appearance	Light brown transparent liquid
Specific Gravity	1.29

27973 Torch Klin 220ml x 24pcs	ng	Item No	Product Name	Volumetric capacity•Packir
:	uid	27973	Torch Klin 21	220ml x 24pcs

Torch Klin RS-L



[Features]

- •Long term effect because of
- special ceramics compounded.

 •Because its film is removable, no
- clogging occurs.

 •Able to be applied to a cold nozzle.

[Performance]

Category	Ceramics compounding
Outward Appearance	Grayish white powder
Specific Gravity	1.30

ı			
	27937	Torch Klin RS-L	420ml x 12pcs

Liner Klin S

[Features]

•Don't contain Fluorocarbon and Chlorine solvents.

Strong cleaning power
 Aerosol spray.

[Applications]

- Used for cleaning Conduit Tube.
 Cleanse outlet guide.
 Cleanse feed roller.

Dross adhesion inhibitor for laser cut / Antireflection agent for laser

[Features]

Do not erode aluminum, stainless, etc.

[Applications]

[Performance]

Outward Appearance Black Liquid

Specific Gravity 1.12±0.02

Inflammability None

- Cleanse machine parts and tools.
- Cleanse printing press

[Performance]

utward Appearance	Colorless transparent liquid
pecific Gravity	0.74
nflammability	Below -20℃



25226	Liner Klin S	420ml x 12pcs

Taiboron D-100 / Taiboron SD-1

Dross adhesion inhibitor for carbon dioxide laser cut whose major ingredient is graphite.
 Water soluble, even application without any repelling.
 Detection and desired the properties of the control of the

It is used to prevent adhesion of dross by applying to the reverse side of laser cut.
It is used to prevent light reflecting by applying to the surface side of laser cut.
Prevents readhesion of spatter.

SD-1

27533

27539

Black Liquid

0.94±0.02

16℃

Can be easily washed by water after use.

Clean working environment for no bad odor and smoke.



5kgs x 1can

420ml x 12pcs

A



Mould Releasing Spray

Varnish

Surface

Checking

Lubricant

Anticorrosive

Special Paint

Cleaner

Adhesive

Sealing Agent

One-liquid Zinc-rich Primer Spray

Stainless Steel Treatment

Groove Antirust Spray

Joining Parts Treatment Agent

Klin Bead CB

TIG welding accelerator

リンビード

[Features]



- Improves melting and helps deep penetrating into weld zone.
 Able to obtain a satisfactory welding effect even if black scale or
- rust exists.

 •Pretty penetration bead is obtainable even high current welding.

 •Quick dry (about 1 minute), welding is able to be done soon after
 Klin Bead CB is applied.

 •Coated layer can be simply removed by water, solvent, acid
 deaning or air blower.

[Applications]

Prevents blowhole generating during TIG welding process, such as welding of mild steel, bonderizing plate or stainless steel, etc. Promotes deep penetrating into weld zone.

*Please pretests when TIG welding for titanium steel or aluminum.

[Performance]

Outward Appearance	Grayish white
Specific Gravity	1.21
Inflammability	None



		Volumetric capacity Packing
20813	Klin Bead CB	400ml x 12pcs

Klin Weld

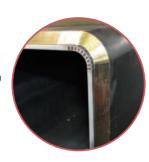
Corrosion inhibitor for groove weld

•Rust on the groove weld may cause a lot of problems, such as weld defect, low steel commercial value, etc.

Klin Weld prevents groove surface from corrosion during the period of edge preparation to welding processes.

•Generally anti-corrosion agent applied to a groove weld have to be removed before welding, but Klin Weld YE and Klin Weld SE are able to used during welding process, therefore, able to save time.

•Klin Weld H is a long term anti – rust agent, able to be used for thick and repeat



Surface Checking Agent

Lubricant

Anticorrosive /Special Paint

Cleaner

Scribbling Varnish

Mould Releasing Spray

Adhesive

Sealing Agent

One-liquid Zinc-rich Primer Spray

Stainless Steel Treatment

Welding Spatter Antifouling Agent /Welding Support Product

Joining Parts Treatment Agent

Klin Weld YE

Corrosion inhibitor for groove weld/Clear color



•Welding is available without removal of coating layer.

Painting and re-coating are available.
 Beveling area is visible after applying.

[Performance]

Outward Appearance	Clear coat	Outdoor exposure test	1~2 months
Dry to touch	about 20 minutes	Viscosity 20℃	11±1Second (F.C No.4)
Film thickness	5~7µm	Coated area	15~25m³/L

35	Klin Weld YE/420ml	420ml x 12pcs
86	Klin Weld YE/4L	4L x 1pc
37	Klin Weld YE/18L	18L x 1can
	35 36 37	Klin Weld YE/420ml Klin Weld YE/4L



Klin Weld SE

Corrosion inhibitor for groove weld/Silver

[Features]

Welding is available without removal of coating layer.
 Superior corrosion resistant formula.

[Performance]

Outward Appearance	Silver	Outdoor exposure test	3~6 months
Dry to touch	about 10 minutes	Viscosity 20℃	12±1Second (F.C No.4)
Film thickness	5~7μm	Coated area	20~30m²/L

Item No	Product Name	Volumetric capacity•Packing
20375	Klin Weld SE/420ml	420ml x 12pcs
20373	Klin Weld SE/4L	4L x 1pc
20372	Klin Weld SE/18L	18L x 1can



Klin Weld H

Corrosion inhibitor for groove weld/Long term rust proof

20362

[Features]

Removes coated layer by burner before welding.
 Long term rust proof is available by repear coating

Klin Weld H/18L

LICIIO	ı ııı a ıı c t	- J	
Outward Appearance	Clear coat	Outdoor exposure test	over 6 months
Dry to touch	about 20 minutes	Viscosity 20℃	15±1Second (F.C No.4)
Film thickness	15~20μm	Coated area	10~15m³/L

KLIN WELD
NAME OF TAXABLE PARTY.
H(長x5ク用)
100 0 To 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
NET. 47
● 株式会社タイホーコーサイ

Dry to touc	h about 20 minutes	Viscosity 20ປ	15±1Second (F.C No.4)
Film thicknes	ss 15~20μm	Coated area	a 10~15㎡/L
		•	
Item No	Product Nam	e V	olumetric capacity•Packing
20363	Klin Weld H	I/4L	4L x 1pc

18L x 1can



HITROCK B

HITROCK B is applied onto high strength bolt joints for construction, promoting the occurrence and stabilization of rust.

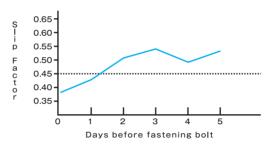
Concerning coefficients for high strength bolts, according to Standard Specifications of Construction Work(JASS-6) and Technical Guides for Steel - Frame Work, mill scale should be removed from bolt joint to check rust occurrence. Generally, this kind of rust is to be generated from a steel frame which is left outside for a long time after removal of mill scale. Rust occurrence depends on a geographical or weather condition, which may cause civil engineering or construction work delay.

Therefore, there are a lot of rust promotion agents adopted, but among them, some problems occurred such as insufficient or excessive rust occurrence, otherwise rust still develops even after re-connecting joints.

HITROCK B dose not have the above problems! After HITROCK B is applied onto joint surface, rust occurs over a few hours. Rust generated by HITROCK B has stability, does not develop

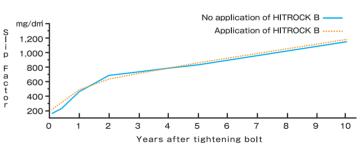
Slip Factor Test

Days Neglected	0	1st day	2nd day	3rd day	4th day	5th day
Slip Factor	0.362	0.437	0.513	0.535	0.501	0.530
Temperature ℃	_	6	5	8	5	5
Humidity	_	24	39	25	35	51



Amount of rust

	1Month	6Months	1Year	2Years	5Years	10Years
No coating (mg/dm)	14	115	340	533	756	1018
HITROCK B coating (mg/dm)	141	263	370	505	7611041	_



*The amount of rust generated is the same after 1 year. Not affected by HITROCK B any more

[Features]

Only need to apply, no worry of noise or dust.
Slip Coefficient is above 0.45.
First applies HITROCK B onto the joint surface and keeps rusting for 48 hours, then Fastening the bolt is available.
Corrosion doesn't expand because of its stability.

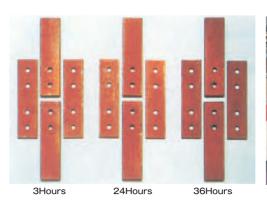
[Performance]

Outward Appearance	Yellowish brown transparent liquid
Specific Gravity	1.0
Inflammability	None
PH	2~3
Dry to touch	20minutes (20°C)
Standard Application Quantity	50~100g/m²

*At the temperature below 5 °C, humidity over 80%, Slip coefficient may not be guaranteed sometimes



Item No	Product Name	Volumetric capacity-Packing
153581	HITROCK B	18L x 1box







Surface Checking Agent

Lubricant

Anticorrosive /Special Paint

Cleaner

Scribbling Varnish

Mould Releasing Spray

Adhesive

Sealing Agent

One-liquid Zinc-rich **Primer Spray**

Stainless Steel Treatment

Welding Spatter Antifouling Agent /Welding Support Product

Groove Antirust Spray

Friction Up Zn A treatment agent for friction joint surface of high strength bolts

Friction Up Zn is a treatment agent used on high strength bolt friction joint surface in the field of hot dip galvanizing construction.



Friction Up Zn is a treatment agent used on high strength bolt friction joint surface in the field of hot dip galvanizing construction. JASS-6 published by Architectural Inst of Japan approves Blasting Treatment, but in order to raise work efficiency and improve stabilization of slip strength we developed Friction Up Zn. Hot dip galvanizing that has a lot of advantages, such as resisting corrosion, maintenance free, etc. is adopted by many construction structures, but Slip Strength of High Strength Zigzag Bolted Friction Joints is not enough. Friction Up Zn only need to be simply applied to Bolt Joint Surface, then enough Slip Strength can be secured, unlike Blasting treatment, no need of special skill, no worry of noisy and without moving products, saving masking time.

[Features]

High working efficiency can be secured because no need of blasting equipment, moving product is not

Outward Appearance Transparent and colorless liquid

- necessary.

 Applies only, no worry of noisy and dust.

 No influences on corrosion resistance of plating.

 Slip Coefficient is above 0.4.

 No need to measure surface roughness.

[Performance]





A DECEMBER		Inflammability	None
		PH	1.78
		Dry to touch	10minutes (20°C)
		Standard Application Quantity	100g/m²
	/		

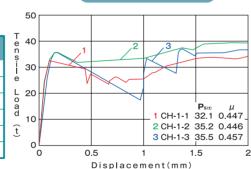
ī		2 1 111			2 1 111	
	14454	Friction Up Zn 4kg	4kg	14453	Friction Up Zn 20kg	20kg

Slip Factor Test

High Strength Bolt	F8T	M20×80

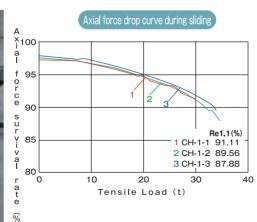
Mark		Exposure Time	N _{1(t)}	P _{s(t)}	Slip F	actor	Sliding
Walk		Exposure fille		Fs(t)	Test Results	Average	Noise
	1		35.8	32.1	0.447		Have
CH-1	2	48 Hours	37.8	35.2	0.446	0.450	None
	3		38.8	35.5	0.457		Have
	1		38.8	35.6	0.459		Have
CH-2	2	48 Hours	37.9	32.1	0.423	0.429	Have
	3		38.3	31.1	0.406		Have

N₁: Adding up of Initial bolt installation. P₈: Slip Load.



Load-Deformation Curve





MEMO

Groove Antirust

Surface Checking Agent

Lubricant

Anticorrosive

/Special Paint

Cleaner

Scribbling Varnish

Releasing Spray

Adhesive

Sealing Agent /Others

One-liquid Zinc-rich Primer Spray

Stainless Steel Surface Treatment

Welding Spatter Antifouling Agent /Welding Support Product