



SPECIALITY MRO SOLUTIONS



SPRAYS
CLEANERS,
DEGREASERS,
EPOXIES,
SEALANTS

StarBlaze India - MRO Specialities

(A Division of Stellaris Specialities India Ltd.)

StarBlaze India (A Division of Stellaris Specialities India Ltd.) is a value based organization in the field of MRO Speciality products committed to provide worthy techno –economical solutions to its esteemed customers.

The Company has a vivid range of technologically superior products & solutions with capacity to upgrade the existing performance datum for the industries with respect to enhancement of component operating life.

The organization has its state of art manufacturing facility at Gurugram in the industrial hub of Haryana & has laid its foundation on delivering goods (products, solutions and services) of the highest quality with consistency with a vision to excel on its customer's satisfaction matrix.

Having expanded its horizon in multiple countries globally StarBlaze India (A Division of Stellaris Specialities India Ltd.) is poised to bring in the best technology products & solutions in the field of :

- Sealants
- Adhesive
- Special lubricants
- Water proofing system
- Floor coating system
- Touch up paints

With the above products in the anvil which are to be launched soon besides the full range of existing welding consumables & coatings, the organization naturally becomes the best choice for all type of industries because of having multiple products & solutions for all most industries under a same flagship.



CORPORATE OFFICE & MANUFACTURING FACILITY

ISO Certified Manufacturing Facilities

Facilities for MRO Speciality



I. CLEANERS & DEGREASERS

01. StarBlaze 11D03 Heavy Duty Degreaser

StarBlaze 11 D03 is a unique general purpose cleaner for removing grease, oil and other factory soils. Recommended for cleaning equipment, machinery, parts, floors, etc. It is applied manually with brush, as a pressure spray, in a dip tank or through an automatic scrubber

Technical specifications:

Specific gravity	: 1.01
PH concentrate	: 10.5 - 11.0
PH at 1%	: 7.5 - 8.0
Foam	: Low
Viscosity	: Less than 10 CPS
Biodegradability	: Complete
Metal safety	: Safe on all metals
Phosphates	: None
VOC (EPA Method 24)	: 0.8%, 8 grams/liter

Applications areas:

1. Removing oils, greases, tars, asphalt, Cardium compound adhesive.
2. Resilient tile mastic.
3. Solid animal and vegetable fats and oils from most surfaces.
4. Asphalt paving industry to determine bitumen content of paving mixtures.

Packing: 330 ml / 5 / 20 / 200 Litre



02. StarBlaze 11D05 Concentrated Degreaser & Cleaner

This StarBlaze 11D05 removes all release agent residues, deposits or grease, oil and other soils that contaminate molded parts and cause metal corrosion on bearings

Technical specifications:

Appearance	: None
Color	: Clear transparent liquid
Odor	: Colorless
Dry Schedule	: Ethereal
Specific gravity +27°C	: <1 Minute at 25°C
Viscosity at +40° C	: 0.68-0.74gms /cc
Flammability	: Flammable
Evaporation rate (Butyl Acetate =1)	: <1 minute at +25° C
KB Value	: 70
Surface tension	: Low

Applications areas:

Recommended for use on threads, exposed edges, fasteners, conduit, strapping welds, fencing, railings, grates, electrical poles, breaker panel housings, rain spouts, signs, doors, trailers, waste containers, catwalks and guard rails. Ideally suited for a variety of environments including marine, utility, refinery, water treatment, chemical processing, pulp & paper, steel manufacturing and general maintenance and repair.

Packing: 5 / 20 Litre



03. StarBlaze 18E02 Biogenic Cleaner & Degreaser

StarBlaze 18E02 is an advanced balanced blend of surfactants, water soluble solvents, d-limonene and alkaline builders. It provides effective cleaning and degreasing in a wide range of applications. Safe on all metals and glass. Effective against organic and inorganic soils. Used as a coarse spray, foam on through pressure washer or dip in tanks. It can be diluted upto 20 parts of water.

Technical specifications:

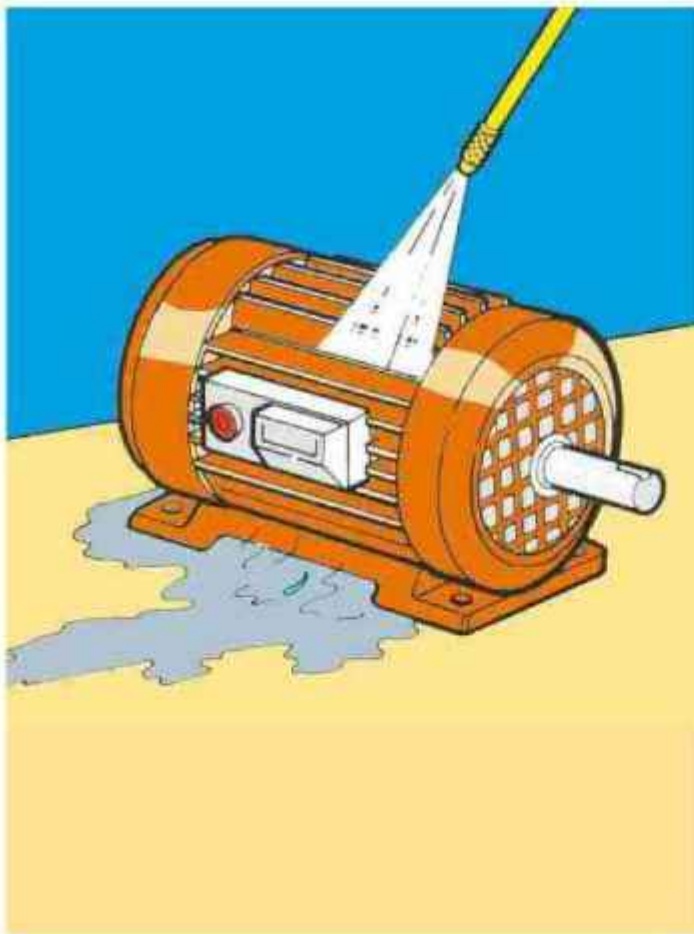
Appearance / Odour	: Clear yellow liquid
Sp gravity	: Citrus
Flash point concentrate (TCC)	: 0.999 (approximate)
Flash point concentrate (COC)	: 122 F
Shelf life	: Non flammable
Flash point with 5 parts of water	: Non flammable
Shelf life	: 2 Years

Applications areas:

- Removal of heavy and medium soil viz. bunker oil, tar, sludge, grease, Slut from most surfaces-engine and machine bodies, fork lifts, compressors, tools, flooring, grease traps etc.
- Can be used undiluted upto 20 parts of water. Can be used as dip tank immersion, coarse spray, wipe on- wipe off, circulating systems.
- Safe on all metals-steel, copper, aluminium, galvanised iron, tin and Glass surfaces.
- Test before using on plastic, rubber etc.

Packing: 500 ml / 5 / 20 Litre





04. StarBlaze 22D01 Degreaser Solvent Fast Drying solvent with Di-electric Strength

StarBlaze 22D01 is a quick drying high dielectric strength ready-to-use solvent, designed to replace CFC's and chlorinated solvents. The product dries within 5-7 minutes allowing time for solvent cleaning action.

Technical specifications:

Appearance	: Clear, odorless liquid
Specific gravity	: 0.75
lb./gallon	: 6.25
Flash point	: 104°F (TCC)
Initial B.P	: 320°F
KB value	: 27
Dielectric strength	: Approximately 38 KV
Corrosion on metals	: None
Nonvolatile	: -76°F
Freezing point	: 750 grams/liter
VOC*	: 320-350 °F @ NA
Boiling point (F)	: 2 mm Hg @ 68 °F
Vapor pressure	: 2 mm Hg @ 68 °F
Vapor density (air=1)	: >1
Solubility in water	: Insoluble
Specific gravity	: 0.75 @ 60°F
VOC Content (%)	: 100
VOV content (%)	: NE
Evaporation rate	: < (n-BuAC-1)
pH	: NE
Appearance and odor	: Clear, colorless liquid, Mild odor.
Flash point (F)	: 104 F min. (TCC) @ : NA
Method	: TCC
Flammable limits in air—lower (%)	: 1.2%

Applications areas:

Cleaning electric motors & other electrical equipment for rapid removal of grease, oil, solvent based inks & wax.

Packing: 330 / 500 ml / 5 / 20 Liters

5. StarBlaze Cleaner ODC Free (NF)

Effective Cleaning & Degreasing of metal parts. Cleans, degreases and evaporates fast.

Technical specifications:

Appearance & Odor	: Transparent liquid.
Base	: 100% synthetic. Contain no petroleum distillates.
Vapor density in air	: >1
Boiling point	: 189°F
Vapor pressure	: 95- 100 psig.
Evaporation rate	: < (Ethyl ether = 1)
Solubility in water	: Neg.
% Non volatile (w/w)	: 0.
Specific gravity	: >1
Propellant	: Carbon dioxide.
CFC'S & ODC'S	: Nil. 100% Ozone friendly.

Applications areas:

General cleaning & degreasing of equipment, metal parts, tools, dies, molds, bearings with additional features of non-flammability.

Packing: 330 / 500 ml



2. RUST PENETRATORS, PREVENTERS & ANTI - CORROSION SPRAYS



6. StarBlaze 11B02 Anti Seize Compound

StarBlaze 11B02 is a compound containing blend of metallic boundary lubricant homogenized into specially designed semi synthetic lubricating grease. StarBlaze 11B02 is a high temperature Molybdenum Graphite based Anti Seize cum Lubricating spray protecting most metals from corrosion.

Technical specifications:

Base	: Graphite & molybdenum Di-sulphide blend
Color	: Black
Density	: 1.26 gm/cc
Temperature range	: -100°F to +2000° F
Pressure	: Prevents seizure & galling up to 100,000 psi
Rating	: USDA H-2 Rating

Applications areas:

- Stud assembly.
- Flange bolts.
- Cylinder heads.
- High temperature connections and manhole lugs.

Packing: 330 / 500 ml



7. StarBlaze 11B04 Wax Coating

- Synthetic, acid resistant waxy film for metals coating.
- Forms a tough corrosion & moisture proof coating that prevents corrosion & sulfation deposition.
- Deposits an impervious & non-reactive film over the sealed part, effectively seals out
- corrosion can be remove easily with growing thinner. Neutralises surface acidity & prevents re-sulfation.
- Resists heat, moisture, weather & vibrations because of its excellent plasticity.
- Long term, flexible, non-tacky dust resistant coating, will not crack, peel, flake or chip
- over a wide temperature range (-40° to +175°F). Translucence coating enables easy observation.
- 2-4 months plus protective life span.

Technical specifications:

Main Components	Conditions	Unit	Value
Additives			Corrosion protecting
Solid lubricants			Synthetic Wax
Solvents			Solvent

Application related technical data

Colour			Light-coloured
Density at 20°C		g/gm	3.07
Drying time	20°C	Min	30
Flashing point	<65(5°C)		°C 39
	(active ingredient)		
Lower Operating temperature		°C -	40
Optimal layer thickness	DIN 50952-2	µm 50	
Processing temperature		°C	20.25
Salt spray test	Layer thickness h		>1000
Surface covering		m	9
Upper operating temperature		°C	70

Applications areas:

- Preservation of bare metal surfaces of all kinds, which are stored for longer periods and are subject to effects of weathering (tropics, ocean, industrial atmosphere)
- Ideal on-cal and storage protection for spare parts

Packing: 330 / 500 ml

8. StarBlaze 11C01 Pen Oil

11C01 Pen oil loosens rust and the Low surface tension allows the oil to migrate into tight spaces. Loosens tar, dirt and rusted bolts.

Technical specifications:

Appearance	Non foaming liquid
Physical State	Aerosol
Specific Gravity	0.70
Evaporation rate	Faster than n-butyl acetate
Surface Tension	44 dyne/cm
Vapor Density (air= 1)	Heavier than air
Vapor Pressure (PSI)	45-55
Chemical stability	Stable
Incompatibility with other substances	Strong oxidizing agents, acids & bases
Hazardous: Decomposition products none	
Flammability: Label marking	Extremely Flammable
Flash point	<0°F (-18°C)
Active ingredients by weight	75%
Volatile Organic Compound level	76%
Operating temperature range	0-110°F (5-43°C)
Dielectric strength	35 kV/mm
Lubricity (FALEX FLC Test)	50 ft. lbs.
Penetrating ability	Excellent
Corrosion protection	Excellent
Food contact rating	K1, H2
Carcinogenicity	Non carcinogenic by IARC, ACGIH, NTP & OSHA.
Base Materials	Ultra light Weight Petroleum Distillate & Paraffinic Oil Blend
Propellant system	Hydrocarbon.

Applications areas:

Quick release for nuts, bolts, pipes, fittings, pumps, pulleys, battery cables, roller conveyers, hinges and valves. Use on metals, rubber, and most painted surfaces with severe rusting.

Packing: 500 ml / 1 / 5 / 20 Liter





9. StarBlaze 11C02 Anti Rust Touch Up Paint

StarBlaze 11C02 is a high solids & pigment loaded modified alkyd rendering high coverage & gloss with anti-rusting properties & colour reflection.

Technical specifications:

Gloss at 60° Coverage for 1mil dry	Flat <5/ Gloss 90 28 Sq ft./Can At 25°C, 50%
Drying	Humidity 15min
Time To touch To handle Full cure	30 min 72
To recoat	hrs
Weight per gallon Specific gravity Viscosity	Before 2hrs. or after 72 hrs: 6.93lbs 0.83
Flammability Label	Not applicable
Marking Flash point	Extremely flammable
Operating temperature range	0°F (-18°C)
Percent solids by weight	60° to 80° F (16° to 27°C)
Perfect solids by volume Percent pigment by volume	26% 16% 2%
Interior durability	Excellent
Exterior durability	Excellent
Temperature Resistance color	149°C
Fastness Adhesion	Excellent
Salt spray corrosion	500hrs
Mineral	Good
Spirits resistance	Good
Gasoline resistance	Very
Motor Oils resistance	Good H
Pencil hardness	

Applications areas:

11C02 Finds its usage to all metals & nonmetal surfaces like Tanks, Furniture, outdoor equipments / machineries & Aluminum frames.

Packing: 330 / 500 ml

11. StarBlaze 12E08 Rust Barrier Spray

Provides rust and corrosion barrier for short or long-term indoor and outside storage. Easy application and removal. Benefits: Product penetrates cracks to assure complete protection. This natural lubricant, fortified Lanolin, absorbs up to 5 times its own weight in water, setting up a protective barrier for long lasting rust protection. Can be sprayed on moving parts or machined surfaces. Lubricants can be applied over Rust Inhibitor without reducing their effectiveness. Does not mar metals, baked enamels, rubber, or certain plastics. Useful to protect bearings, precision spares indoor storage >2 years.

Technical specifications:

Specific gravity	0.67
Flammability: Label marking	Extremely flammable
Active ingredients by weight	10%
Volatile Organic Compound level	90%
Operating temperature range	40° to 110° F (5° to 43° C)
Corrosion protection	Excellent
Food contact rating	H2
Salt Spray Test	18hrs
(Fed Std. 151 A, Method 811.1) Humidity Test (100% RH at 120°F)	
72 Hours, No effect; 1000 hours, slight corrosion on metal steel panels (95%RH)	

Base Materials: Propellant system

Applications areas:

Use on bearings, tools, steel stock and parts, and temporary or extended protection of machinery.

Packing: 330 / 500 ml



12. StarBlaze 12E09 Outdoor Anti Rust Spray

StarBlaze 12E09 is an indoor - outdoor anti rusting agent. The product prevents components exposed to weathering & atmospheric corrosion from rusting for extended periods up to 5 years. Grade: Heavy duty indoor-outdoor rust preventative. Description: A removable corrosion preventative. This petroleum based product penetrable and forms a transparent film that is recommended for the most severe environments. Benefits: Prevents rust and corrosion caused by moisture and oxidation. Resists acids formed by corrosive atmosphere. Best suitable for bearings, spare part & machinery corrosion protection, which enhances the life for more than two years. Provides excellent long-term outdoor weather protection. This product lasts last until you want to remove it. Removes easily with any paint solvent. With stands up to 1000 hours of salt spray testing.

Technical specifications:

Appearance	Non-foaming liquid, solid film former
Odor	Hydrocarbon
Dry Schedule	10-15 minutes
Boiling point	NA

Vapor density	Heavier than air
Specific gravity	0.7
Flammability: Label marking	Extremely flammable
Flash point	<0°F (-18°C)
Active ingredients by weight	20%
Volatile Organic Compound level	80%
Operating temperature range	40° to 110°F (5°C to 43°C)
Salt Spray Test- ASTM B117	1000 hrs
Base Materials	Cosmoline, Heptane
Propellant system	Hydrocarbon

Applications areas:

Use to protect bearings, precision spares, construction equipment, industrial machinery, farm equipment, bridgework, steel structures, tanks and pipe. Salt spray protection makes it invaluable for ocean shipments.

Packing: 330 / 500 ml



13. StarBlaze 15B07 VCI based corrosion prevention

StarBlaze 15B07 is a solvent deposited, water displacing type dewatering and corrosion preventive fluid. It has low volatile solvent and additionally contains vapour-corrosion inhibitor (VCI).

The product is formulated from high quality film forming additives that offer a viscous oily protective film by solvent evaporation.

Technical specifications:

Description	Test Method	Unit	Value
Appearance	Visual	-	Clear, amber fluid
Density @ 30 °C	ASTM D4052	g/ml	0.83
Viscosity @ 40 °C	ASTM D445	mm ² /s	6.5
Flash Point, CDC	ASTM D92	°C	95
Film Type	Visual	Oily	Film Thickness
Corrosion Protection	In-house	µm	5.5
(*) Indoor Storage	Month		9
(**) Outdoor Storage	Month		3

Applications areas:

StarBlaze15B08 is a water-soluble rust inhibitor designed to provide rust provide rust protection for steel parts that are stored indoors for a period of 1 to 6 weeks. The length of protection depends on the dilution of StarBlaze 15B08 and plant conditions.

Use diluted with upto 100 parts of water and apply by spray or dip tank method with out water rinse.

Do not mix with acids or amines

Packing: 330 / 500 ml

14. StarBlaze 15B08 Rust Inhibitor

StarBlaze 15B08 is a liquid, Nitrite based, Alkali buffered short term rust inhibitor.

StarBlaze 15B08 is non-oily and non-soapy, completely water soluble, 15B08 leaves a dry transparent film. May be applied as a spray or used in a dip tank.

StarBlaze 15B08 may be diluted up to 1:100. The higher the solution concentration the greater the duration of rust protection. Depending upon solution strength, StarBlaze 15B08 affords indoor rust protection from 1 to 6 weeks.

Technical specifications:

Appearance	Clear Light Brown Liquid
Specific Gravity/LBS Per GAL	1.160/9.66
PH	9-10
PH 1% Solution	7.5-8.0
Flash Point	None
Foam	Low
Freeze Point	20° F
Water solubility	Complete
Viscosity	10 CPS
VOC (EPA Method 24)	None

Applications areas:

StarBlaze15B08 is a water-soluble rust inhibitor designed to provide rust provide rust protection for steel parts that are stored indoors for a period of 1 to 6 weeks. The length of protection depends on the dilution of StarBlaze 15B08 and plant conditions.

Use diluted with upto 100 parts of water and apply by spray or dip tank method with out water rinse.

Do not mix with acids or amines

Packing: 330 / 500 ml





16. StarBlaze 17C01 Super 40 Four In One Rust Remover Spray

Plastic safe, cleaner, lubricant, moisture displacer, penetrant & corrosion inhibitor that loosens dirt, scale, rust. Reopens jammed assemblies, cleans grease/grime and prevents electrical malfunctions caused by water penetration, humidity, condensation or corrosion.

Technical specifications:

Type	Mineral oil
Appearance	Light Brown color liquid
Coating thickness	10-30 micron
Surface spreading rate	5.0 sqmtr/can
Service temperature	-50 to + 100°C
Density	0.82
Corrosion resistance (DIN 50 021)	144 Hrs @ 30 micron

Applications areas:

- A) Mechanical: Threaded assemblies, tools, molds, dies, electrical systems, precision machined components.
- B) Electrical: Motors, generators, electromechanical equipments, Communication systems, re-opening jammed parts & assemblies.
 - Relays, contractors, switches.
 - Coils, fuses, switch gears, circuit breaker
 - Ultra-sensitive sensors

Packing: 330 ml / Bulk

15. StarBlaze Super 40 (360°)

Plastic safe, high di-electric strength cleaner, lubricant, moisture displacer, penetrant & corrosion inhibitor that loosens dirt, scale, rust. Reopens jammed assemblies, cleans grease/grime and prevents electrical malfunctions caused by water penetration, humidity, condensation or corrosion.

Technical specifications:

Type	Mineral oil
Appearance	Light Brown color liquid
Coating thickness	10-30 micron
Surface spreading rate	5.0 sqmtr/can
Service temperature	-50 to + 100°C
Density	0.82
Corrosion resistance (DIN 50 021)	144 Hrs @ 30 micron

Applications areas:

- A) Mechanical: Threaded assemblies, tools, molds, dies, electrical systems, precision machined components.
- B) Electrical: Motors, generators, electromechanical equipments, Communication systems, re-opening jammed parts & assemblies.
 - Relays, contractors, switches.
 - Coils, fuses, switch gears, circuit breaker
 - Ultra-sensitive sensors

Packing: 330 / 500 ml



3. RUST & SCALE REMOVERS



17 StarBlaze 11E01 Heavy Duty Cleaner

StarBlaze 11E01 is a semi - aqueous cleaner having no hydrocarbon solvents recommended for removing solidified oil, grease, tar, adhesives, cadmium and asphalt. Used as a coarse spray, or in a hot or cold dip tank.

Technical specifications:

Specific gravity	0.794
Boiling point (F)	415 -420 (C) NA
Vapor Pressure	0.2 mm Hg @68°F
Vapor density (Air =1)	Less than 5
Solubility in water	Emulsifiable
Evaporation rate	Slow
Ph. 10 % in water	7 - 8
Metals safety	Safe on all metals
Flash point	174° F, TCC
Shelf life	5 years
Carcinogenicity	Non listed under OSHA, IARC, or NTP.
Solubility in water	Emulsifies

Applications areas:

- Removing oils, greases, tars, asphalts, Cadmium compounds adhesives,
- Resilient tile mastic,
- Solid animal and vegetable fats and oils from most surfaces.
- Asphalt paving industry to determine bitumen content of paving mixtures.

Packing: 330 / 500 ml

18. StarBlaze 11E02 Acid Scale Cleaner

StarBlaze 11E02 is a liquid acid scale remover that is formulated for fast, effective removal of hard scale, rust and other deposits.

Technical specifications:

Specific Gravity 1.17-1.21
Weight 9.91LBS/GAL.

Applications areas:

- Safe alternative to hydrochloric acid.
- Non-fumming & Nonflammable.
- Cleaning of complex component shapes without disassembling.
- The presence of corrosion inhibitors retards the acid attack rate on metals.

Packing: 1/5/23Kg.



4. ELECTRICAL & INSTRUMENTATION COMPONENT CLEANERS



19. StarBlaze 11B01 Battery Terminal Coating Fast Drying

- Synthetic, acid resistant waxy film battery terminal coating
- Forms a tough corrosion & moisture proof coating that prevents terminal corrosion & sulfation deposition.
- Deposits an impervious & non-reactive film over the sealed part, effectively seals out corrosion/ sulfation, assures efficient battery functioning and extends battery life and reliability.
- Assures continued high - voltage output. Prevents current losses.
- Neutralises surface acidity & prevents re-sulfation.
- Resists heat, moisture, weather & vibrations because of its excellent plasticity.
- Long term, flexible, non-tacky dust resistant coating, will not crack, peel, flake or chip over a wide temperature range (-40° to + 175°F).
- Distinctive color assures simple visual record of battery servicing. Missed areas are easily spotted. Translucence coating enables easy terminal observation.
- Minimum 3-6 months plus protective lifespan.
- Especially suited for protecting "in- service" batteries. Simply clean & overcoat without switching off the batteries.

Applications areas:

Battery terminals, connections, connectors plates, casing Waxy film air dries to form a dry outer surface that will not pickup dust/dirt.

Packing: 330 / 500 ml

20. StarBlaze 11B03 Battery Terminal Cleaner

- One step battery terminal corrosion remover & acid neutralizer
- Generates thick foam effectively cleans corrosion build up & neutralises acid on battery systems.
- Increases battery output & extends battery life.
- Contains a unique acid indicator that changes color in contact with acids.
- CFC free.
- Meets MILC-81302 B standards.

Technical specifications:

Color & appearance	Creamish white cleaning foam
Flash point	Non-Flammable.
Color Indicator	Synthetic. Acid sensitive Changes from Yellow to red in contact with acids
Safety on rubber, metals & plastic.	100% Rubber, metal & plastic safe.
CFC'S halogens	None.

Applications areas:

Cleaning of corrosion deposits & acid neutralisation on battery terminals, cables, brackets, storage compartments & entire battery surface.

Packing: 330 / 500 ml



21. StarBlaze 11E04 Aqueous Cleaner

StarBlaze 11E04 is an aluminum safe aqueous based cleaner for the removal of oil, grease and other industrial soils from machinery, manufactured parts, wall and floors and is recommended for removing road oils from buses and trucks as it doesn't dull paints.

Technical specifications:

Appearance	Clear blue liquid
Specific gravity @7 0°F	1.011±0.002
Pounds/gallon	8.42
pH concentrate	12.0±0.2
pH10%	10.6±0.2
Phosphates	None
Foam	High

Viscosity	20cps Safe on all metals aluminium
Applicability	Plastics & painted surfaces
Stability	Product freezes below 30°F
Flash point	None
VOC (EPAMethod24)	1.6%, 16grams/liter
Dilution	Spray/Manual 4 ounces/gallon of water with former 1:10.

Applications areas:
 Radiator
 Sticky soil on truck & Vehicles.
 Machinery parts cleaning.
 Plastic body cleaner.
Packing: 1 / 5 Liter



23. StarBlaze 12E02 Electronic Component Cleaner (Offline Electrical Component Cleaner)

StarBlaze 12E02 Electronic component cleaner that provides flushing action to remove contaminants, evaporate quickly, and without leaving a film or residue.

Technical specifications:

Appearance	Thin, non-foaming liquid
Color	Colorless
Odor	Mild hydrocarbon
Specific gravity (h20= 1, @70°F)	0.66
Evaporation rate	8.1
Flammability: Label marking	Extremely Flammable
Active ingredients by weight	95%
Volatile Organic Compound level	96%
Operating temperature range	30° to 110°F (-1° to 43°C)
Boiling point @ 760mm Hg	Concentrate 134-181 °F
KB value	66
Dielectric strength	26 KV
Surface tension	TBD
Food contact rating	K2
Propellant system	Carbon Dioxide

Applications areas:

Use on electronic assemblies, PCBs, computer components, relays, switches, contacts, circuit breakers, plugs and jacks, terminals, circuit boards, generators, electro- mechanical assemblies and some plastic conveying equipment's.

Packing: 330 / 500 ml



22. StarBlaze12E01 Safety Solvent Online Electrical Component Cleaner

This fast-drying, non- flammable, no flash point, non-corrosive product dissolves grease fast leaving surfaces clean and dry with no residue. Safe for use on most metal, Bakelite, " Do not use on plastics".

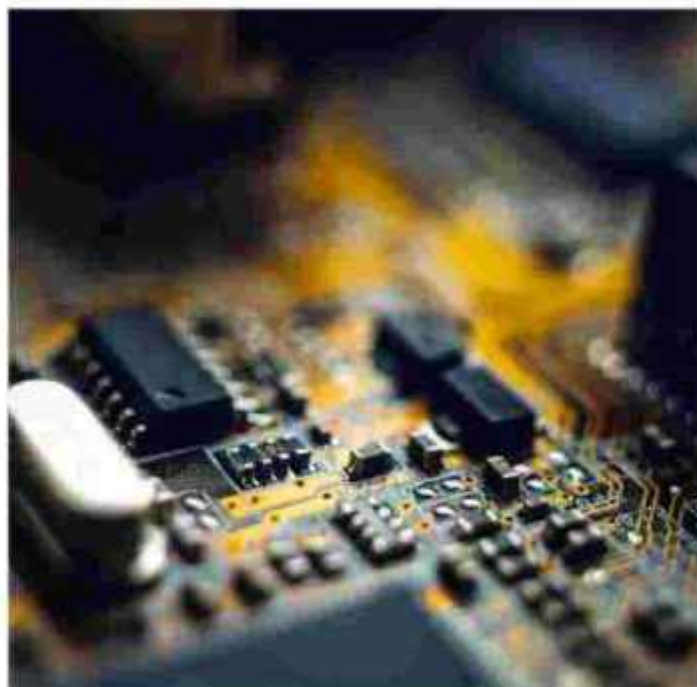
Technical specifications:

Appearance	Non-foaming liquid
Color	Colorless, transparent
Odor	Mild
Dry Schedule	< 5 minutes
Evaporation rate	Slower than Ether
Specific gravity	1.5
Operating temperature range	30° to 110°F (-1° to 43°C)
Evaporation rate (Butyl Acetate = 1)	2.6
KB value	133
Dielectric strength (ASTM D877)	36 kV
Surface tension	26 dyn/cm2
Base Materials	Trichloroethylene
13. Propellant system	Carbon Dioxide

Applications areas:

Use on AC & DC electric motors, lathes, mining equipment, grease fittings, molds, switches, generators, relays, brake linings, rheostats and fuse holders.

Packing: 330 / 500 ml



24. StarBlaze Offline Contact Cleaner

Heavy duty offline circuit cleaner, degreaser & Defluxer. Designed for safe & effective Offline cleaning of light – medium soils, from electro – mechanical assemblies without adversely affecting most plastics and elastomers – contractor, switches, relays, solenoids, electric motors, connectors, capacitors Suitable for SMT Defluxing, degreasing and removal of conformal coatings.

Technical specifications:

Type	Aerosolized Di-electric cleaner
Appearance	Clear transparent liquid
Kb value	58
Surface evaporation rate	2.50
Dielectric strength	>14 KV (ASTM D877)
Surface tension dyne / cm	< 19
Density	0.85

Applications areas:

- Safe & effective cleaning of electric motors especially 'inner motor cleaning.
- Relay, contractor, switches
- Coils, fuses, switch gears, circuit breakers
- Ultra-sensitive sensors

Packing: 330 / 500 / 700 ml



26. StarBlaze 12E03 Safe Clean ELT Di-electric Plastic Safe

StarBlaze 12E03 Safe Clean ELT is a fast penetrating, fast evaporating aerosol cleaner that works on most surfaces without leaving a residue. Safe for use on metal, plastic, rubber, and glass surfaces. StarBlaze 12E03 Safe Clean ELT is effective in removing oil, grease, wax, dirt, and moisture.

Technical specifications:

Appearance	Thin, Non-foaming
Color	Colorless, Transparent
Odor	Mild
Specific Gravity	0.7
Viscosity In Centipoise	<1
Flash Point, 0°F(-17°C)	0°F(-17°C)
Surface Tension	Low
Base Materials	Hexane, Ethanol
Propellant System	Carbon Dioxide

Applications areas:

Maybe used on the production line and in service maintenance where the highest purity is required from an industrial cleaner degreaser. Safe for use on electrical components, connectors, contacts, magnetic tape heads, semiconductor assemblies, office equipments, printed circuits, computer components, relays and controls, Telephone equipment, typewriters, and tv tuners.

Packing: 330 / 500 ml

25. StarBlaze 12E03 Safe Clean ELT Di-electric Plastic Safe

StarBlaze 12E03 safe clean elt is a fast penetrating, fast evaporating aerosol cleaner that works on most surfaces without leaving a residue. Safe for use on metal, plastic, rubber, and glass surfaces. 12E03 safe clean elt is effective in removing oil, grease, wax, dirt, and moisture.

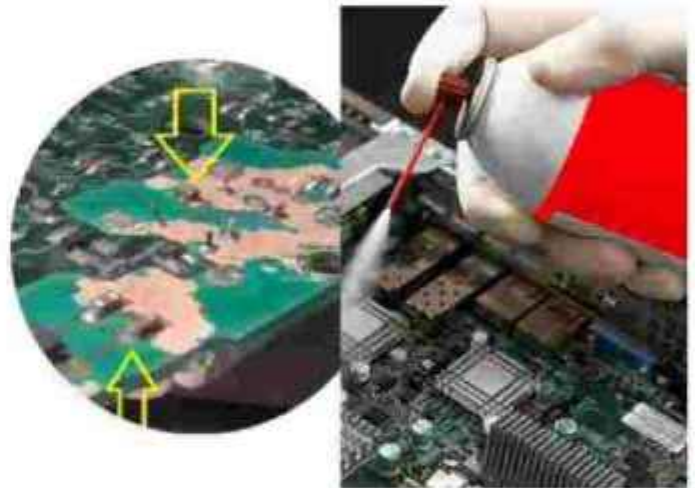
Technical specifications:

Appearance	Thin, Non-foaming
Color	Colorless, Transparent
Odor	Mild
Specific Gravity	0.7
Viscosity In Centipoise	<1
Flash Point, 0°F(-17°C)	0°F(-17°C)
Surface Tension	Low
Base Materials	Hexane, Ethanol
Propellant System	Carbon Dioxide

Applications areas:

Maybe used on the production line and in service maintenance where the highest purity is required from an industrial cleaner degreaser. Safe for use on electrical components, connectors, contacts, magnetic tape heads, semiconductor assemblies, office equipments, printed circuits, computer components, relays and controls, Telephone equipment, typewriters, and tv tuners.

Packing: 330 / 500 ml



27. StarBlaze 12E05 Plastic Safe Cleaner (Online)

StarBlaze 12E05 is an On-Line electrical contact cleaner. It is nonflammable and is a plastics safe spray.

Applications areas:

- Electro – mechanical assemblies, sensitive
- On components made of plastics & elastomers.
- Contractors & switches.
- Solenoids & Capacitors.
- Electric motors.

Technical specifications:

Flash point	None
Kb value	48
Surface wetting ratio	2.24
Surface evaporation rate	2.29
Surface tension dyne / cm	19.9
Dielectric strength	36 KV

Packing: 330 / 500 ml

28. StarBlaze 12E11 Carbon Cleaner

StarBlaze 12E11 is a nonchlorinated, acid free cleaner which penetrates in to tough carbonaceous deposits, thickest of varnish coatings, adhesives & accumulated / sticky dirt. A perfect blending of penetrants provides cleaning with minimum effort.

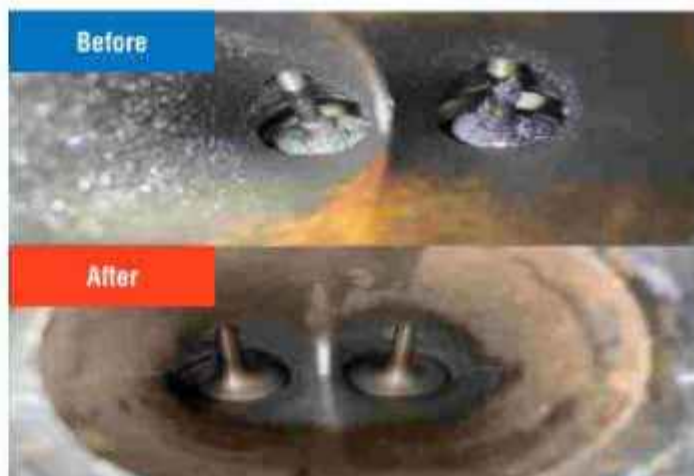
Technical specifications:

Specific gravity	0.83-0.87
VOC content	44-45%
Stability	Excellent
Flash point (aerosol)	-20° F.
Optimal temperature range	above 70° F.
Toxicity	non-toxic

Applications areas:

- Carbon deposits on contactors, relays, commutators, insulators & bus-bars.
- Varnishes & adhesives on electric motors.
- Flash over residues.
- Removing acrylic coatings from PCBs.

Packing: 330 / 500 ml



29. StarBlaze 22E01 Electro Safe Electrical Component Cleaning Solvent with Di-electric Strength

StarBlaze 22E01 is a high dielectric strength ready- to-use solvent, designed to replace chlorinated solvents. StarBlaze 22E01 is recommended for cleaning electric motors and other electrical equipment, and for the rapid removal of grease, oil, solvent base inks and wax.

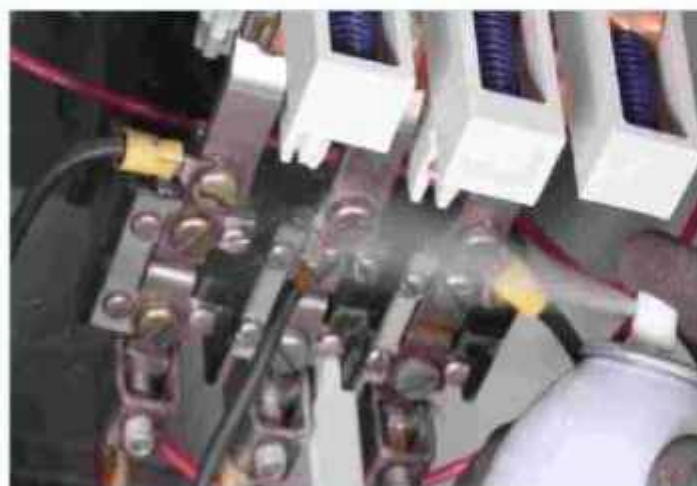
Technical specifications:

Appearance	Clear, odorless liquid
Specific gravity	0.767
Viscosity @ 75oF	4 cps
Lb/ gallon	6.39
Flash point	144°F (TCC)
Initial b.p.	370°F
Kb value	27
Dielectric strength	38 KV
Boiling point	376- 401F (C) NA
Vapor pressure	1mm Hg @ 68°F
Vapor density (Air =1)	Heavier than air
Solubility in water	Insoluble
Evaporation rate	Less than 1 (n-Bu Ac = 1)
PH	NA
1Corrosion on metals	None
Nonvolatile	None
Freezing point	-76°F
Carcinogenicity	Non listed under OSHA, IARC, or NTP
Voc* (epa method 24)	100%, 767 g/litre

Applications areas:

Cleaning electrical and electronic systems, in dip tank, wipe-off or by coarse spray. (For more rapid drying time, apply forced air with a "blow-off" nozzle)

Packing: 5 / 20 Liter



30. StarBlaze Anti Spatter (E)

Heavy duty dry thin film Water based welder anti spatter coating. Designed to prevent spatter from adhering to weld beads, surrounding metal surfaces & welding tips during welding.

Technical specifications:

Type	Water based Synthetic Non-silicon oil
Appearance	Light colored liquid.
Coating thickness	5-8 micron
Surface spreading rate	8-10 sqmtr/ ltr
Flammability	Non flammable
Density	1.05 ± 0.05

Applications areas:

- Resistance welding tips, mig and tig tips.
- Weldment, electrode holders, contact tips, tools, metal molds.
- Bench top splash guards, Valve spindles, piston rods.

Packing: 330 / 500 ml



31. StarBlaze 12B02 Clear Kote Plastic Protective Film

Single component, fast drying, transparent acrylic plastic protective coating in aerosol spray. Resistant to heat, cold, salts, handling, oxidation & dust. Will not crack, peel or discolor.

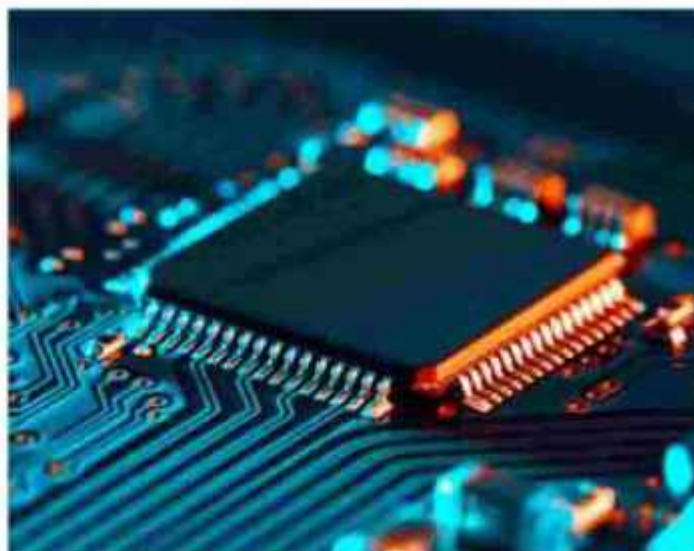
Technical specifications:

Color	Clear Transparent
Curing	Air, Dry
Drying Time	10-20 Minutes
Temperature Range	-10°F to +350°F
Film Tukon Hardness	8.7
Appearance And Odor	Clear Colorless/ Ketone Odor
Boiling Point	135-2589°F (Concentrate)
Evaporation Rate	(Either=1)<1
Aerosol Specific Gravity	(@70°F) 0.72
%Nonvolatile(W/W)	9

Applications areas:

- Electronic PCB'S
- Dials
- Gauges

Packing: 330 / 500 ml / 1 / 4 / 20 Liter



32. StarBlaze 12E04 Electrical 88 Heavy Duty Hydrophobic Water & Moisture Displacer- Cum-Rust Inhibitor

Dielectric, penetrative cleaner cum fast action, heavy duty hydrophobic water & moisture displacer cum protective coating. It is safe for plastics, varnishes, rubbers. Hydrophobic action lifts moisture from surfaces effectively drying mechanical parts and electrical systems. Penetrates and acts as a light lubricant. Silicone-free. Non-gummy, non-sticky.

- Displaces both water & moisture effectively "dries" out wet systems.
- Protects against moisture re-entry, rust & tarnish
- Dielectric
- Uniquely "heavier than water"
- Non - flammable, ozone safe, co2 propellant. Enhanced user & environment safety.
- Minimum 95% actives.
- Silicone free
- Non-gummy/non-sticky protective residual coating

Technical specifications:

Color	Brown - translucent
Specific gravity	> 1. Unique moisture displacement & protection qualities
Solubility in water	Insoluble
Filming action	Excellent metal wetting. Low surface tension, durable self-healing properties
Type	Hydrophobic rust inhibitor.
Temperature range	-50°F TO + 400°F
Dielectric	Excellent characteristics
Film thickness	Thin, molecular.
Film durability	Outside - 6 months to 1 year Inside - over 2 years
Propellant	Non - flammable CO2
Water displacement	Excellent hydrophobic action

Applications areas:

Moisture - proofing electrical equipment, bus - bars, motors, solenoids, controls, terminals, capacitors, transformers, fuse boxes, switches, and switch gears, multiple connectors, ignition systems and welding equipment. Especially suited for "flood/ water immersed" & "high voltage" systems.

Packing: 330 / 500 ml

33. StarBlaze 12F02 ALL4 Co₂ Moisture & Dirt repellent

- Displaces moisture & restores resistance value.
- Instantly improves electrical properties & enables equipment operation.
- Provides protection against electrical leakage, arcing & short circuits.
- Prevents malfunctions & breakdowns caused by moisture, rust & corrosion.
- Penetrative cleaner- loosens dirt, scale, rust Improves electrical conductivity.
- Enables easy re-opening of seized & rusted assemblies.
- Provides effective protection against high humidity, acidic & alkaline vapors, marine environments

Technical specifications:

KB Value	30
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Flash point (Aerosol)	1550F
Flash point dry film (Open cup)	>350°F
Dielectric strength	33 KV/mm
PH	6.0 – 6.8
Specific gravity	0.81
Operating temp range	- 50°F TO +350°F
Safe for all metals, plastics, rubbers, varnishes, lacquers Non chlorinated user & environmentally safe, low odor formulation.	

Applications areas:

- Cleaning: contactors, generator/ motor windings, circuit breakers, insulator bushings, electrical & electronic assemblies, battery terminals
- Moisture displacement & protection: bus bars bus bar supports, coils, "make-break" contactors, insulator bushings, terminal studs
- Restoration of electrical properties & "IR" value.
- Re-opening rusted & seized parts.
- Di-electric non-greasy, long lasting lubrication: – circuit breaker levers, gang operated devices, isolators
- Dielectric rust & corrosion prevention: earthing bolts, electrical spares

Packing: 330 / 500 ml / 1 / 5 Litre



6. ELECTRICAL INSULATION SPRAYS

34. StarBlaze 12E06 Anti Track Spray Insulation & IR Value Upgradation

StarBlaze 12E06 is a single component air drying "class H" epoxy insulation spray. The product offers excellent adhesion and good di-electric strength. Especially useful for preventing insulator tracking & upgrading "IR" values.

- Air dries in 15 minutes, hardens in 1 hour.
- High electric strength – 121 KV / mm at 28°C & 81 KV/mm AT 180°C.
- Thermal Class H.
- Dust & Moisture / Water repellent.

Technical specifications:

Appearance	: Gloss at <60° 85
Coverage	: Theoretical-at 1 mil dry 17 sq. ft/can Practical-at 1/2 mil dry 34 sq. ft/can
Specific Gravity (H20=1)	: 0.8
Vapor density	: Heavier than air
Evaporation Rate	: Faster than n-Butyl Acetate
Stability	: Stable
7. Drying Schedule	: (At 77°F [25°C], 50% Humidity at 1 mil, dry)

To touch 15 min
To handle 1 hr
Full cure 48 hrs
To recoat Anytime

Temperature resistance	Class H
Dielectric strength	2,100 volts/ mil
Resin system	Epoxy Ester
Solvents (top two)	Acetone, Xylene
Propellant system	Dimethyl Ether

Applications areas:

Remove all loose dirt, dust, grease, wax, and rust particles from surface to be coated using "Solvent". For best results, apply at temperatures between 60° and 80°F (16° and 27°C). Second and subsequent finish coats may be applied at any time after previous coat has dried.

Packing: 330 / 500 ml



35. StarBlaze 12E07 Rubber Insulator

StarBlaze 12E07 is air drying, tough, flexible, non-flammable and non-ageing synthetic rubber coating, enabling quick & easy protection to diverse components like power & telecom cables, busbar, junction boxes, battery systems etc. 12E07 is used for sealing, insulation and protection against moisture and dust thus preventing electrical leakages, arcing, flash-over, short circuiting & earthing.

- Passivating of SS surface after pickling to protect corrosion & contaminations.
- Passivating after mechanical treatments such as grinding, brushing, blasting etc.
- Removal of free iron
- Reducing the formation of toxic nitric fumes during pickling
- Preventing water staining caused by poor rinse water
- Standard steel grades such as 304, 308, 316, 316L

Technical specifications:

Solids (WT)	26%
Usable up to	2 KV



Tensile (ASTM D- 638)	3000 psi
Elongation (ASTM D- 638)	650%
Cut resistance (ASTM D- 1044)	Good
Stone abrasion (ASTM D- 3170)	Good
Permeability (ASTM E- 96)	0.03 grains/ Sq. Ft/Hr
Chemical resistance (Acids/ Alkalies)	Very Good
Durometer Shore a (ASTM- 2240)	78
Dielectric Strength (ASTM D- 149)	1700 V/Mil
Salt spray (ASTM B- 117)	Passes 2000 hours
Weather ability (ASTM G- 53)	10 years plus
Temperature use range	-30°F to 250°F
Flammability	Non-flammable (post air curing)

Applications areas:

- Power & telecom cables
- Junction boxes:
- Bus-Bars

Packing: 500 ml / 3.78 Gal



36.12F01 Red Insulating Varnish In-situ IR Value Restoration

StarBlaze 12F01 Red Insulating Varnish provides a tough industrial strength oil and waterproof coating to insulate electrical equipment and components. Provides outstanding adhesion to a variety of surfaces and contains an epoxy ester resin that is thermal rated class.

Technical specifications:

Specifications	Styrenated epoxy
Specific gravity	0.91
Flammability: Label marking	Extremely flammable
Interior durability	Excellent
Motor oil resistance	Excellent
Pencil hardness	B
Resin system	Epoxy ester
Solvents (top two)	Trichloroethylene/xylene
Propellant system	DI-methyl ether

Applications areas:

Insulating Varnish to protect electrical leads; coat frayed insulation and to restore dielectric properties lost from frictional wear. Additional uses are to insulate and seal out moisture from armature windings, high voltage circuits, commutator ends and coils. Highly recommended for coating electrical windings that are exposed to moisture/ voltage & amperage fluctuations repeatedly.

Packing: 330 / 500 ml / 1 / 4 / 20 Liter

7. MECHANICAL COMPONENT PERFORMANCE ENHANCERS

37. StarBlaze 11C02 Anti-Rust Touch Up Paint

StarBlaze 11C02 is a high solids & pigment loaded modified alkyd rendering high coverage & gloss with anti rusting properties & colour reflection

Technical specifications:

Gloss at 600 Coverage for 1mil dry	Flat <5 / Gloss 90	Percent solids by volume	16%
Drying Time	28 Sq. ft. / Can	Percent pigment by volume	2%
To touch	At 250C, 50%	Humidity Interior durability	Excellent
To handle	15 min	Exterior durability	Excellent
Full cure	30 min	Temperature resistance	149°C
Excellent	72 hrs	Color fastness	
To recoat	Before 2 hrs. or after 72 hrs	Adhesion	Excellent
Weight per gallon hrs	6.93 lbs	Salt spray corrosion	500
Specific gravity	0.83	Mineral spirits resistance	Good
Viscosity	Not applicable	Gasoline resistance	Good
Flammability Label Marking	Extremely flammable	Motor Oil resistance	Very Good
Flash point	00F (-180C)	Pencil hardness	H
Operating temperature range	800 to 800 F (160 to 270 C)		
Percent solids by weight	26%		

Applications areas:

11C02 Finds its usage to all metals & nonmetal surfaces like Tanks, Furniture, outdoor equipments / machineries & Aluminum frames.

Packing: 330 / 500 ml





39. StarBlaze 11D02 Bearing Solvent (NF)

StarBlaze 11D02 is Superior alternate to water based degreasing chemicals designed to prevent the risk of corrosion during pre-cleaning of precision machine parts such as bearing etc. prior to their lubrication for optimum bearing & lubricant performance. Non-flammable, rapid drying formulation with powerful flushing action, cleans instantly, leaving sparkling metal surfaces for quick & efficient cleaning of grease, grime, dirt, tar, wax, old grease residue & other such contaminants.

Technical specifications:

Appearance & Odor	Transparent liquid.
Base	100% synthetic. Contain no petroleum distillates.
Vapor density in air	>1
Boiling point	189°F
Vapor pressure	95- 100 psig.
Evaporation rate	< (Ethyl ether = 1)
Solubility in water	Neg.
% Non volatile (w/w)	0.
Specific gravity	1.460.
Propellant	Carbon dioxide.
CFC'S & ODC'S	NIL. 100% Ozone friendly.

Applications areas:

General cleaning & degreasing of equipment, metal parts, tools, dies, molds, bearings with additional features on non-flammability



38. StarBlaze 11C03 Paint Remover

StarBlaze 11 C04 is a unique waterbased paint, lacquers, oil, varnish & all types of coating stripper applicable in all surfaces (metallic, glass, ceramic, wood, plastic etc.). The paint remover has an innovative water-based constituents. It does not contain any toxic solvents. The phenomena of degeneration of the surface takes place when in contact with the product. Then after the specially formulated ingredients penetrates between the film and the parent surface thus making the removal / stripping process easy & neat.

Technical specifications:

Specifications:	Meets Aviation Grade DG-17487 Rev
	L, CSD #1 Type III
Weight per gallon	8.33 lbs
Specific gravity	1.0@21Â°C
Flammability Label marking	Flammable
Volatile Organic Compound level	39.4% by weight
Operating temperature range	70° F - 85°F (21 °C - 29° C)
Evaporation rate (Butyl Acetate = 1)	>1
Base Materials	Water, Aromatic Alcohol
Propellant system	Dimethyl Ether

Applications areas:

- Nontoxic - solvent free & fully biodegradable.
- Plastic safe and applicable in all metals & nonmetals.
- Meets the requirement of the Aviation grade.

Packing: 330 / 500 ml



40. StarBlaze 11M01 Belt Anti Slippage Spray

StarBlaze 11M01 is used to prevent slippage & squealing of drive belts in operation by improving the traction thus increasing the drive efficiency and application of lesser belt tension. The product adds glaze & helps to retain the flexibility of the belt which contributes to increase in belt life.

Technical specifications:

Color	Clear, Colorless
Specific Gravity	> 1
Vapour Pressure @70° F	50-60 Psi
Solubility In Water	Negative
Resins	Nil
Resistance to Water & Temperature	Good
Stability	Stable.
Appearance and Odor	Clear Colorless / Aromatic Odor
Boiling Point	198 - 232° (Concentrate)
Vapor Pressure	Aerosol Container @ 70° F 50-60 Psig
Evaporation Rate	(Ether = 1) < 1
Vapor Density In Air	> 1
Solubility In Water	Neg.
Stability	Stable

Applications areas:

- Fans & water pumps belts.
- Conveyors, air conditioners, textile machinery belting, power tools.
- Compressors, generators & machinery belts.

Packing: 330 / 500 ml



41. StarBlaze11E03 Outdoor Sticky Dust Cleaner

StarBlaze11E03 is a liquid acid scale & dust remover that is formulated for fast, effective removal of hard scale, rust and other deposits.

Technical specifications:

Appearance	Clear blue liquid 1.011
Specific gravity @70°F	±0.002
pH concentrate	12.0±0.2
Viscosity	20cps
Safety on metals	Safe on all metals
Safety on painted surfaces	Safe under normal use
Stability	freezes below 30°F
Flashpoint	None
VOC(EPAMethod24)	1.6%, 16grams/liter

Applications areas:

- Boiler system descaling.
- Cooling system descaling.
- Heat exchanger.
- Condensers
- Cooling jackets
- Vessels
- Pipes & Valves
- Solar Panels

Packing: 1 / 5 / 23 Kg

42. StarBlaze 13H01 Silicone Sealer

StarBlaze 13H01 is a RTV based sealer. The product is a single component and stays non reactive by maintain its elasticity permanently.

Technical specifications:

Base	Polysiloxane
Consistency	Stable paste
Curing system	Moisture cure
Skinning time	CA 5 minutes (20° C/65 RH)
Curing time	2 mm/24 hours (20°C/65% RH)
Hardness	25 ± 5 Shore A
Shrinkage	None
Specific gravity	1.03 – 1.25
Temperature resistance	-60°C until + 180°C.
Elastical recovery	80%
Elongation at break	800% (DIN 53504)
Elasticity modulus 100%	0.30 N/mm2 (DIN 53504)
Maximum deformation	25%
Maximum tension	1.30 N/mm2 (DIN 53504)
Size of joint	5 to 30 mm wide x 5mm depth.
Substrate	All usual building surfaces except PE, PP

Applications areas:

- All the usual building-and construction joints.
- Gasket sealing.
- Top sealing at glazing jobs.
- Building joints.
- Joints with high movement between different building materials.
- Sealing between treated wood and glass.
- Sealing between PVC and glass.

Packing: 310 ml



43. StarBlaze 15B06 Bright Zinc Finish Coating

StarBlaze 15B06 Bright Zinc Spray is a quick drying, light- duty, sacrificial coating that protects ferrous metals from oxidizing. It provides barrier as well as higher degree of cathodic protection to the base metal against environment and prevents formation or spreading of rust and corrosion. Bright Zinc Spray is excellent for touch ups to scratches, dents, welds, machined edges on aluminum and other high shine metal substrates.

Technical specifications:

Specifications: Meets performance requirements of ASTM A780-93A

Appearance:

Class	Metallic
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Coverage:

Theoretical - at 1mil dry	13sq.ft./can/
Practical - at 1/2mil dry	26sq.ft./can

Drying Schedule: (At 77°F [25°C], 50% Humidity at 1mil, dry)

To touch	10min
To handle	30min
Full cure	72hrs
To recoat	After 72hrs

Performance and Chemical Properties: Aerosol

Weight per gallon	6.65
Specific gravity	0.80
Viscosity	Not applicable
Percent solids by weight	30%
Volatile Organic Compound level	<70%
Interior/ Exterior durability	400°F (204°C)
Adhesion	Very good
Salt spray corrosion	250 hrs
Mineral spirits resistance	Excellent
Temperature resistance	Good

Base Materials:

Resin system	Acrylic
Solvents(top two)	Xylene, Acetone
Propellant system	Hydrocarbon

Applications areas:

Recommended for use on threads, exposed edges, fasteners, conduit, strapping, welds, fencing, railings, grates, electrical poles, breaker panel housings, rain spouts, signs, doors, trailers, waste containers, catwalks and guardrails. Ideally suited for a variety of environments including marine, utility, refinery, water treatment, chemical processing, pulp & paper, steel manufacturing and general maintenance and repair.

Packing: 330 / 500 ml

**44. StarBlaze17B01 Cold Galvanizing & Priming Compound**

StarBlaze17B01 is a cold galvanizing compound, Containing Zinc to 95% in the dry film offering excellent corrosion resistance to metal surfaces due to the cathodic protection.

Technical specifications:

Type	liquid zinc compound
Density	2.60±0.10kg/ltr
Flash point	>40°C to < 60
VOC content	<5%
Volume solids	90±2%
Metallic zinc content	95% by wt. in dry film
Zinc particle size	3-5µ (Atomized)
Coverage (theoretical)	9.0 sqm/ltr @100µ DFT
Interior durability	Very Good
Exterior durability	Very Good
Temperature resistance	Up to 175° C
Adhesion on Steel	Excellent
Corrosion resistance (ASTM B117)	>2500Hrs
pH resistance – immersion	5.5pH to 9.5pH
pH resistance – atmospheric	5.5pH to 12.5pH
Gasoline resistance	Good
Drying time (set to touch)	20-30min @ 1.5 mil dry film
Touch dry Recoating	10min (40 microns at 20°C) After 1 hours from touch dry
Electrical conductivity	V. Good
Functional cure	90-120 min
Full cure	72hrs

Applications areas:

- Metal fabrication.
- Antenna towers.
- Electricity Pylons & Poles.
- Petrochemical plants rust proofing welds.
- Metal Bridges & Tanks.
- Marine & Offshore cooling towers.

Packing: 330 / 500 ml / 1 / 4 / 20 Liter

45. StarBlaze 17M01 Dry Graphite lube

StarBlaze 17M01 is a solvent & moisture free non-oily dry graphite powder based acrylic resin compound. The product offers usages in a wide range of temperature from sub zero to 538°C. The product leaves no stain on the surface.

Technical specifications:

Color	Grey to Black
Temperature range	-75°C to + 538°C
Flash point	Non flammable
Resistance to water & Oils	Excellent
Resistance to humidity	Excellent
Cure temperature & Time	Air dry for 30min.
Specific gravity	1.05
Vapour pressure (@70°F)	45- 55 Psi grm.
Di-electric properties	100% conductive.
Lubricity (FALEX FLC Test)	>200 ft. lb.

Applications areas:

- Bearings
- Oven parts



- Sliding windows and doors
- Dies & sand cores
- Die Casting
- Extenders
- Used as a coating on conductive material.
- As a Sealant

Packing: 500 ml



47. StarBlaze AC- 500 Cleaner

A unique blend of phosphoric acid and detergents for the rapid removal of rust, oxidation and stains from ferric metals, concrete, ceramic tile and painted surfaces. Used diluted, AC-500 Cleaner may be applied as a foam, in a hot or cold dip tank or manually. Dilute 1:5 - 1:100 depending upon nature and degree of soil. Maximum solution recommended temperature 150°F.

Technical specifications:

• Boiling point (F)	245°F approx
• Solubility in water	Complete
• Specific gravity	1.370
• Appearance and odor	Light amber liquid. Mild odor
• pH 10%	1.7 ± 0.2
• Viscosity @ 75°F, cps	20-25
• Protection of iron, copper, brass and steel	Excellent
• Effect on aluminum	Etches and brightens
• Foam	High
• Recommended use-temperature	75°F - 150°F
• Rust prevention (surface unrinsed)	Excellent

Applications areas:

Most suited product for rust, scale and light oil from steel

Packing: 1 Liter



46. StarBlaze 95G03 Adhesive Chain Lubricant

- Provides Internal + External Lubrication.
- Protects Against Friction, Wear, Humidity, Salt Spray, Chemical Vapors, and Water Damage.
- High Pressure and Extreme Temperature Resistance.
- Fortified with Organo - Moly metal compound Technology - Improves load carrying characteristics, lowers friction, reduces surface roughness, minimizes wear, reduces temperature, stabilizes oil film.
- Penetrative Extreme Adhesion - will not get thrown off even at high speeds.
- Resistant to water, seawater, hot water, steam... protects against corrosion.
- Rubber compatible. Safe for O-Rings.

Technical specifications:

Color	Brownish Liquid
Density at +27° C	0.92 - 0.98 gms /cc
Viscosity at +40° C	90 - 130 CST ASTM D445
Four Ball Test	
a) Weld Load	>2200 Newtons DIN 51350
b) Wear Scar	0.3 mm 150N /1 Hour
	0.6 mm 400N /1 Hour
Temperature Range	- 30° C to +200° C
Propellant	Flammable

Applications areas:

Internal & External Lubrication of Roller Chains... Even those operating under water, exposed to steam & in dusty & dirty atmospheres.

- Hoists • Saws • Rollers • Conveyors • Cables spring assemblies, clutch /brake levers • Tow Lines • Wire Rope
- Cranes • Winches • Bearings, Small Gear Drives • Booms
- Slide ways & Guide ways, column guides Even under water and in dusty conditions.

Packing: 330 / 500 ml



48. StarBlaze Super 30 Multifunctional spray

StarBlaze Super 30 Plastic safe, high di-electric strength cleaner, lubricant, moisture displacer, penetrant & corrosion inhibitor that loosens dirt, scale, rust. Reopens jammed assemblies, cleans grease/grime and prevents electrical malfunctions caused by water penetration, humidity, condensation or corrosion.

Technical specifications:

Type	Mineral oil
Appearance	Light Brown color liquid
Coating thickness	10-30 micron
Surface spreading rate	5.0 sqmtr/can
Service temperature	-50 to + 100°C
Density	0.82
Corrosion resistance (DIN 50 021)	144 Hrs @ 30 micron

Applications areas:

- A) Mechanical: Threaded assemblies, tools, molds, dies, electrical systems,

precision machined components.

B) Electrical: Motors, generators, electromechanical equipments, Communication systems, re-opening jammed parts & assemblies.

- Relays, Contractors, switches.
- Coils, fuses, switch gears, circuit breakers.
- Ultra-sensitive sensors

Packing: 500 ml

8. TEXTILE & PLASTIC INDUSTRY COMPONENT SPRAYS

49. StarBlaze11D01 Silicone Spray Mold Release Silicone Spray

- Blend of low & high viscosity silicone fluids
- Ideal for both hot & cold molds
- Odorless & fast evaporating.
- Heat stable at temperatures upto 550F (288C)
- Non-staining non-corrosive formula
- Ozone friendly

Technical specifications:

Appearance	Non-foaming liquid
Color	Clear, transparent
Active ingredients by weight	5%
Volatile organic compound level	95%
Penetrating ability	Excellent
Corrosion protection	Good
Base materials	Silicone Oil (1000 cast)
Propellant system	Hydrocarbon

Applications areas:

- Plastic injection molders
- Compression molders extruders
- Blow molders

Packing: 330 / 500 ml



50. StarBlaze 11M02 Wet Moly Spray

StarBlaze 11M02 is a liquid moly fortified lubricating spray which is based on Organo Moly Metal Compound(OMC) technology

Technical specifications:

Color	Black Oil
Density at +27°C	0.90-0.96gms/cc
Viscosity at +40°C	60 CST Approx DIN 51562
MOS2 Particle Size	1.50 microns average Mineral
Base Carrier	Fluids

Applications areas:

- A. B. S. resins
- Acrylics
- Wax
- Rubber
- Polyester
- Cellulosic & polystyrene

Packing: 330 / 500 ml

51. StarBlaze 15B03/4/5 Mould Shield Dry (Clear, Green & Blue)

- No ozone depleting chemicals.
- Superior-dry formula
- Non-penetrating
- Neutralizes fingerprints
- Non-silicone/non-wax
- Self-cleaning in start-up
- Seals out condensation

Technical specifications:

Boiling point	: 103-104° F.
Freezing point	: <-40° F.
Specific gravity: (H2O=1)	: 0.899
Weight per gallon @ 60 F.	: 7.5
Vapor pressure of concentrate @ 70 F. (MM HG)	: 59
Vapor density (AIR= 1)	: > 1
Solubility in water, % by weight	: Nil
Evaporation rate (minutes)	: 1.3



Applications areas:

A unique rust preventive formulation, designed, through a superior-dry spray package, to deliver a dry mist spray which will not penetrate into moving mold parts, including ejector pin holes, slides, cams, etc. Mold shield's special dry mist feature prevents marking of plastic parts when molds are put back in service.

Packing: 330 / 500 ml



53. StarBlaze 15M01 Fluff Cleaner & Textile Machineries Lube Spray

StarBlaze 15M01 is a non-chlorinated, food grade tint. Dust & Fluff Cleaner which evaporates quickly leaving the surface fully dry & stain free. The product is extensively used in Textile industry for cleaning & parting agent.

Technical specifications:

Grade	Textile, Non Chlorinated, Food Grade
Appearance	Clear Liquid With Mild Odor.
Heat Stability	-400C to 2300C
Density	1.12 To 1.22 GMS / CC
Toxicity	Nil
Evaporation Rate	Excellent Best in the class

Applications areas:

Autocoder Winders
Spinning & Weaving Machines
Knitting & sewing Machines
Tension Assembly Cutters
Knives
Scissors
Zippers
Cloth Cutting Blades.

Packing: 500 ml



52. StarBlaze 15D01 Mold Cleaner & Degreaser Suitable For Metal & Plastic

StarBlaze 15D01 Mold Cleaner & Degreaser removes all release agent residues, deposits or grease, oil and other soils that contaminate molded parts and cause metal corrosion on bearings.

Technical specifications:

Specifications	None
Appearance	Clear transparent liquid
Color	Colorless
Odor	Ethereal
Dry Schedule	< 1 minute at 25° C
Specific gravity +27° C	0.68 – 0.74 gms /cc
Viscosity at +40° C	<2.0 cst. (ASTM D-445)
Flammability	Flammable Evaporation rate (Butyl Acetate = 1)
<1 minute at +25° C KB value	70
Surface tension	Low

Applications areas:

(a) Use on all metal molds. Formulated for in-place cleaning of all metal molds during use or for superior clean up prior to storage.

(b) Use for cleaning metal parts, bearings prior to lubrication

Packing: 330 / 500 ml



54. StarBlaze 15M02 Mild Synthetic Fluff Cleaners & Lubricant

StarBlaze 15M02 is a non-chlorinated, food grade tint. Dust & Fluff Cleaner which evaporates quickly leaving the surface fully dry & stain free. The product is extensively used in Textile industry for cleaning & parting agent.

Technical specifications:

Appearance & odor	Clear light liquid with a mild odor.
Density at +270 c	0.74 - 0.77 gms/cc
Refractive Index	1.42 - 1.45
Film Type	Light Waxy
Evaporation rate	Faster than n-butyl acetate - 30 seconds approx.
Non-toxic	
Non-corrosive	
CFC free formulation	

Applications areas:

Autoconer Winders
Spinning & Weaving Machines
Knitting & sewing Machines
Tension Assembly Cutters
Schlafhorst
Knives
Cloth Cutting Blades.

Packing: 500 ml

55. StarBlaze 22E02 SS 410

StarBlaze 22E02 SS410 is a highly refined solvent cleaner, blended with lanolin skin conditioner. StarBlaze 22E02 SS410 is designed for slow drying, to permit penetration and total removal of soils. Contains no chlorinated or ozone depleting solvents. Has a high, constant flash point of 178°F (TCC).

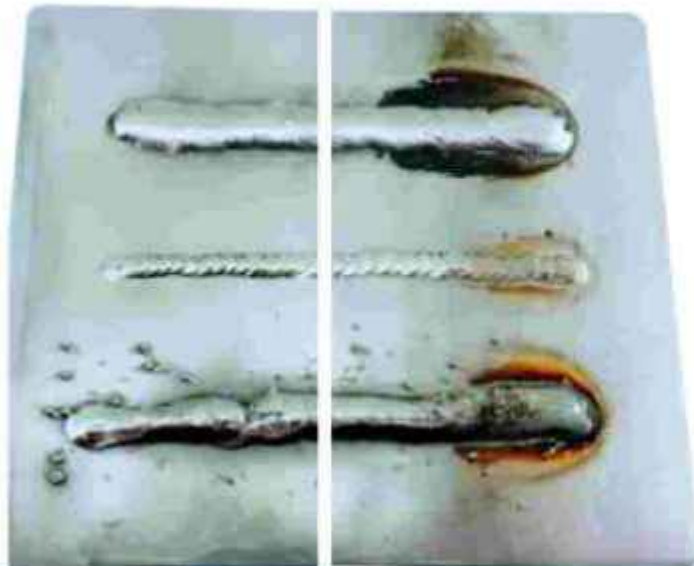
Technical specifications:

Appearance	colourless odourless liquid
Specific gravity at 60 of	0.800 ± 0.005
Pounds per gallon at 60°F	6.66
Flash point tcc	178°F
Tiv	200 ppm
Initial boiling point	413°F
Kb value	32
Dielectric strength	34.8 kV
Aromatics	0.5%
Sulfur	1 ppm
Voc*	400 grams/liter

Applications areas:

- Use undiluted in soak and dip tanks, or as a manual spray and wipe cleaner.
- Safer replacement for mineral spirits.

Packing: 330 ml & bulk packing available



56. StarBlaze 86C02 Wonder Gel A Low-fuming pickling paste for stainless Steel

StarBlaze 86C02 Wonder Gel is a unique chemical to remove heat tint, Weld-discoloration, Oxide scale and rust from all series of Stainless steel. It is intended for standard Applications like:

- Standard steel grades such as 304L, 308L, 316L etc.
- Nickel and copper-nickel alloys

Technical specifications:

Type	Paste like consistency with acidic odor
Density	1.3 ± 0.05
Flash point	None
Solubility in water	Soluble
Coverage	100 mtr of weld seam /kg (typical)

Applications areas:

- Remove dirt, dust, oil and other contaminations by using any degreaser. Apply degreaser on to the surface for 10-15 min. Then rinse the surface with water.
- Stir the StarBlaze 86C02 WONDER GEL with plastic spatula. Apply the paste on to welded area using nylon plastic brush.
- Provide reaction time of 20-40 minutes depending on steel grade & severity of oxidation.
- Use the pressurized water jet spray or wipe the weld seam lightly with plastic scrubber and rinse the surface thoroughly with plenty of water.
- **Packing:** 1/5 kgs

57. StarBlaze Passive-170A Low-fuming Passivation Solution for Stainless Steel

StarBlaze Passive-170 is a chemical offering good Passivating results on Stainless steel surfaces. It is intended for standard applications such as:

- Passivating of SS surface after pickling to protect corrosion & contaminations.
- Passivating after mechanical treatments such as grinding, brushing, blasting etc
- Removal of free iron
- Reducing the formation of toxic nitric fumes during pickling
- Preventing water staining caused by poor rinse water
- Standard steel grades such as 304, 308, 316, 316L

Technical specifications:

Type	Thin consistency with acidic odor
Density	1.15 ± 0.05
Flash point	None
Solubility in water	Soluble
Coverage	40 Sq ft /ltr (typical)

Applications areas:

Use on electronic assemblies, PCBs, computer components, relays, switches, contacts, circuit breakers, plugs and jacks, terminals, circuit boards, generators, electro-mechanical assemblies and some plastic conveying equipment's.

Packing: 330 / 500 ml





59. StarBlaze Anti Spatter (E) Heavy Duty Non Flammable Welders Anti Spatter

Heavy duty dry thin film Water based welder anti spatter coating. Designed to prevent spatter from adhering to weld beads, surrounding metal surfaces & welding tips during welding.

Technical specifications:

Type	Water based Synthetic Non-silicon
Appearance	Light colored liquid
Coating thickness	5-8 micron
Surface spreading rate	8-10 sqmtr/ltr
Flammability	Non flammable
Density	1.05±0.05

Applications areas:

- Resistance welding tips, mig and tig tips.
- Weldments, electrode holders, contact tips, tools, metal molds.
- Bench top splash guards. Valve spindles, piston rods.

Packing: 300 ml



61. StarBlaze DPT Flawchek Series Liquid Dye Penetrant Inspection System

Designed to locate surface discontinuities or other indications on all non-porous materials (Metals, Plastics, Ceramics). Cracks, Seams, Porosity, Laps, Laminations, Cold Shuts. Used to detect welding, casting & forging defects, cracks & leaks in new components and fatigue cracks on in-service components.

Technical specifications:

1. Developer

- a) % Volatile by volume: 94%
- b) Specific Gravity < 1
- c) Vapour Pressure 45-55 Psig
- d) Non-toxic formulation

3. CLEANER

- a) Non-Chlorinated solvent
- b) Fast drying
- c) % Volatile by volume - 100%
- d) Specific Gravity <1
- e) Non-toxic formulation

Applications areas:

Evaluation of micro surface defects & flaws in weld deposits, wrought & cast products of both Ferrous & Non-Ferrous metals, powder metallurgy parts, ceramics,

2. PENETRANT

- a) Red ultra high penetration dye
- b) Specific Gravity < 1
- c) %Volatile by volume-NA
- d) Non-toxic formulation

58. StarBlaze 25G02 Nozzle Dip Gel.

StarBlaze 25G02 Designed to prevent accumulation of weld spatter from adhering to the welding torch nozzle, both interior and exterior surfaces. Facilitates smooth welding and reduces downtime by avoiding spatter buildup and repeated cleaning of welding tips during the welding process.

Technical specifications:

Type	Polymer based Synthetic Non-silicon Gel
Appearance	Clear Translucent Gel
Coating thickness	2-3 micron
Flammability	Non flammable
Density	1.00±0.05

Applications areas:

- Resistance welding tips, MIG and TiG torch nozzles
- Weldment, electrode holders, contact tips, tools, metal molds
- Bench top splash guards. Valve spindles, piston rods

Packing: 300 gm



60. StarBlaze Anti Spatter NF Bulk Heavy Duty Non Flammable Welders Anti Spatter Spray

Heavy duty dry thin film welder anti spatter coating. Designed to prevent spatter from adhering to weld beads, surrounding metal surfaces & welding tips during welding.

Technical specifications:

Type	Surface spreading rate
Appearance	Light colored liquid
Coating thickness	5-8 micron
Surface spreading rate	20 sq. mtr/can
Flammability	Non Flammable
Density	1.25

Applications areas:

- Resistance welding tips, mig and tig tips
- Weldments, electrode holders, contact tips, tools, metal molds
- Bench top splash guards. Valve spindles, piston rods

Packing: 330 / 500 ml



plastics & Glass objects.

Perfect for examining Stress corrosion and Fatigue cracks - Cranes, Bridges, Vessels, Piping, Railways. So as to prevent breakdowns, injuries or loss of life.

Packing: 330 / 500 / 1 Liter



63. StarBlaze Ultra Bright Zinc Finish Coating

StarBlaze Ultra Bright Zinc Spray is a quick drying, light-duty, sacrificial coating that protects ferrous metals from oxidizing. It provides barrier as well as higher degree of cathodic protection to the base metal against environment and prevents formation or spreading of rust and corrosion. Ultra Bright Zinc Spray is excellent for touch ups to scratches, dents, welds, machined edges on aluminum and other high shine metal substrates.

Technical specifications:

Application	Indoors and Outdoors
Pigment purity	99.9%
Percentage of Metal in dry film	65%
Salt spray test DIN EN ISO 9227	>250 hrs
Temperature resistance	-50 to +30°C

Applications areas:

Recommended for use on threads, exposed edges, fasteners, conduit, strapping, welds, fencing, railings, grates, electrical poles, breaker panel housings, rain spouts, signs, doors, trailers, waste containers, catwalks and guard rails. Ideally suited for a variety of environments including marine, utility, refinery, water treatment, chemical processing, pulp & paper, steel manufacturing and general maintenance and repair.

Packing: 330 / 500 ml / 4 / 20 Liter

62. StarBlaze SS Spray

StarBlaze SS spray provides an anti-corrosion film similar to SS-316L & can with stand combination of wear factors namely corrosion at temperature up to 200° C & abrasion

Technical specifications:

Color	Grey
Appearance	Mat
Fully Cured after (hours)	4-6
Temperature Resistance	Upto 300°C
Dust- dry at +20°C (after minutes)	10
Can be painted over after (hours)	6

Applications areas:

- Protecting motor casing from rust & corrosion.
- Pumps valves.
- All stainless-steel components.
- For the repair of damaged stainless steel parts.
- On silos and pipelines
- Outdoors (weather-resistance)
- For the optical refinement of glass, wood, stone, ceramics and Plastics.

Packing: 330 / 500 ml / 1 / 4 / 20 Liter



64. StarBlaze 13H02 Silicone Sealer & Gasket Compound

StarBlaze 13H02 is a RTV Silicone foam with superior sealing capability and provides high performance without sagging

Technical specifications:

- Weatherproof, insulates & protects. Virtually unaffected by chemical deterioration, extreme weather, temperature.
- Meets US FDA regulation no 21 cfr 177, 2600, us mil - a- 46106 a & federal specification 77 - s - 001543 a class a.
- 100 % rtv. Industrial strength.
- Versatile, Multi - use. Weatherproof, Water proof, Flexible, U.V. resistant
- Fast curing
- Remains permanently flexible from - 88° to 500° F (red up to 650°) & pressures up to 350 PSI.

Applications areas:

- Sealing crack's & cavities in machinery
- Heating & ventilation ducts
- Electrical systems
- Electrical insulation.
- Pumps
- Electrical motors & control boxes
- Rigid flange assemblies
- Equipment housings

Packing: 225 ml



10. SEALANTS



66. StarBlaze 12E10 (PUF) Ultra Sealing Joint

StarBlaze 12E10 is a solvent (CFC) free one component and self-expanding PU foam with user friendly propellants.

- Passivating of SS surface after pickling to protect corrosion & contaminations.
- Passivating after mechanical treatments such as grinding, brushing, blasting etc
- Removal of free iron
- Reducing the formation of toxic nitric fumes during pickling
- Preventing water staining caused by poor rinse water
- Standard steel grades such as 304, 308, 316, 316L

Technical specifications:

Base	Polyurethane
Consistence	Stable foam
Curing system	Moisture cure
Skin formation	8 min at 20° c/ 60% r. H
Drying time	Dust free after 20-25 min at 20°c
Curing time	2 hrs. for a bead of 3 cm at 20°c/65% r. H
Specific gravity	CA 25 kg/ m3 (extruded).
Temperature resistance	-40°C until +90°C (cured).
Fire class	B3 (DIN 4102 part 2)
Insulation factor	33 mw/ meter Kelvin
Shear strength	>14 n/cm2 - din 53427.
Pressure strength	> 4 n/cm2 - din 53421.
Bowing strength	ca 7 n/cm2 - din 53423
Water absorption	1 % vol. (din 53429).

Applications areas:

- Used for filling of gaps & cavities
- Ensures sealing during roof construction.
- Used as a sound insulation layer.
- Used as a thermal insulation for cooling systems.

Packing: 300 / 500 ml



65. StarBlaze17M02 Dry Graphite Conductive Sealant

StarBlaze17M02 is designed to prevent bi-metallic corrosion, to improve conductivity, arcing, over heating, jamming, loosening.

Technical specifications:

Colour	Grey to Black
Flash Point	Non flammable
Electrical Properties	100% Conductive.
Specific Gravity	1.05
Temperature Range	-100° F to + 1000° F
Resistance to Water, Oil	Excellent. (except to alkali metals mineral acids) alkalis & Acids
Cure Time:	Air Dry for 30 Min

Applications areas:

- Heavy duty contractor.
- Cable terminations.
- Bus-bar isolator jaws.
- Air circuit breakers
- Heavy duty contractors.

Packing: 500 ml



67. 13H01 Silicone Sealer

StarBlaze 13H01 is a RTV based sealer. The product is a single component and stays non reactive by maintain its elasticity permanently.

Technical specifications:

Base	Polysiloxane
Consistency	Stable paste.
Curing system	Moisture cure:
Skinning time	CA 5 minutes (20° C/65 RH)
Curing time	2 mm/24 hours (20°C/65% RH)
Hardness	25 +/- 5 Shore A
Shrinkage	None
Specific gravity	1.03 – 1.25
Temperature resistance	-60°C until + 180°C.
Elastical recovery	80%
Elongation at break	800% (DIN 53504)
Elasticity modulus 100%	0.30 N/mm2 (DIN 53504)
Maximum deformation	25%
Maximum tension	1.30 N/mm2 (DIN 53504)
Size of joint	5 to 30 mm wide x 5mm depth.
Substrate	All usual building surfaces except PE, PP

Applications areas:

- All the usual building-and construction joints. Gasket sealing.
- Top sealing at glazing jobs. Building joints.
- Sealing between treated wood and glass. Sealing between PVC & glass.

Packing: 310 ml



StarBlaze India

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