

Material Safety Data Sheet

Dec 2011

1.0 IDENTIFICATION

- 1.1 Product Name **MetalGuard Ultra**
- 1.2 Supplier Shield Technology Ltd.,
Unit 69,
Grimsby Business Centre,
King Edward Street,
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2.0 COMPOSITION / INFORMATION ON INGREDIENTS

A blend of corrosion inhibitors, waxes and mineral oil in petroleum distillate (UN 1268)
Conforming to DEF STAN 68-10/2 (PX24) and NATO CODE C-634

3.0 HAZARDS IDENTIFICATION

Flammable liquid. Flashpoint 40°C. Contains white spirit.
May cause irritation of the skin and eyes.
Vapour may be irritant to respiratory tract. Combustible.
Harmful; may cause lung damage if swallowed.

4.0 FIRST AID MEASURES

- 4.1 Inhalation: Remove to fresh air. If necessary obtain medical assistance.
- 4.2 Skin Contact: Wash with soap and water. Remove contaminated clothing and wash before re-use.
- 4.3 Eye Contact: Flush with water for several minutes.
Seek medical assistance in severe cases.
- 4.4 Ingestion: If swallowed do not induce vomiting: seek medical advice immediately and show this document.

5.0 FIRE FIGHTING MEASURES

- Small fires: CO₂, dry chemical, foam, sand.
- Large fires: Foam, water fog, CO₂. **DO NOT USE WATER JETS.**
Containers may be cooled with water away from burning material. Combustion may release undefined organic compounds. Wear breathing apparatus if necessary.

6.0 ACCIDENTAL RELEASE

- 6.1 Remove sources of ignition.
- 6.2 Wear solvent resistant clothing.
- 6.3 Absorb onto earth, sand or similar and dispose of in an approved and permitted way.
- 6.4 Large spillages – evacuate personnel, avoid inhalation of vapour.
- 6.5 Prevent entry into sewers and waterways.

7.0 HANDLING AND STORAGE

- 7.1 Handling: Avoid contact with skin and eyes.
7.2 Storage: Steel or other suitable container.
Avoid solvent sensitive materials.
Store in cool, dry place in sealed containers.

8.0 EXPOSURE CONTROL / PERSONAL PROTECTION

- 8.1 Hand and body protection: Oil resistant gloves and apron or other suitable protective clothing.
8.2 Eyes: Protective safety glasses.
8.3 Other: Ensure good ventilation
DO NOT BREATHE FUMES OR SPRAY.
8.4 Occupational exposure limits: 1000 mg/m³ (8 hour TWA)

9.0 PHYSICAL AND CHEMICAL PROPERTIES

- 9.1 Appearance: Amber liquid
9.2 Odour: Mild Almond
9.3 pH: Aqueous dispersion: 6-7 units
9.4 Boiling Point/Range: 150 - 220°C (solvent)
9.5 Melting Point/Range: N/A
9.6 Flash Point: 40°C min.
9.7 Flammability: Flammable
9.8 Autoflammability: Explosive limits – 0.6-3.0% (solvent)
9.9 Explosive Properties: None
9.10 Oxidising Properties: None
9.11 Vapour Pressure: 2.0 kPa at 38°C (refers to solvent)
9.12 Relative Density: 0.8
9.13 Solubility: Insoluble in water. Miscible with most organic compounds.
9.14 Viscosity (20°C): 1.5 mPaS
9.15 Relative Vapour Density 5 (air = 1) (Refers to solvent)

10.0 STABILITY AND REACTIVITY

Stable under normal conditions of storage and use.
Thermal decomposition will release undefined organic compounds.
Incompatible with strong oxidising agents.

11.0 TOXICOLOGICAL INFORMATION

- 11.1 Inhalation: Vapour may cause drowsiness, nausea, dizziness and ultimate loss of consciousness.
11.2 Skin Contact: Prolonged or frequent contact could cause irritation and may lead to dermatitis.
11.3 Eye contact: Irritant.
11.4 Ingestion: Unlikely unless deliberate. Danger of aspiration into lungs resulting in lung damage.
11.5 Long-term Exposure: No substantial ill effects established from general usage provided precautions outlined in para. 8 are observed.

12.0 ECOLOGICAL INFORMATION

No direct information but not expected to be dangerous to the environment.
Slowly biodegradable.

13.0 DISPOSAL

- 13.1 In accordance with national and local regulations.
- 13.2 Prevent from entering sewers and waterways.
- 13.3 Containers to be disposed of by authorised disposal agency or returned to manufacturer.

14.0 TRANSPORT INFORMATION

- 14.1 UN No. 1268 (Refers to solvent)
- 14.2 Flammable Liquid (R10)
- 14.3 Tremcard No. 30G35
- 14.4 Emergency Action Code Hazchem 3Y
- 14.5 IMCO/IMOG: 3.3 Packaging Group 3
- 14.6 IATA: 3.2
- 14.7 ADR: 3,31c

15.0 REGULATORY INFORMATION

- 15.1 Chemicals (Hazard Information and Packaging) Regulations
- 15.2 Environmental Protection Acts
- 15.3 Environmental Protection (Prescribed Processes and Substances) Regulations
- 15.4 Environmental Protection (Duty of Care) Regulations

16.0 OTHER INFORMATION

These data are presented in good faith and are believed to be accurate. However it is for users to satisfy themselves as to the suitability of the product for their use, storage and transportation.

Sources of information used in compilation of this document include manufacturers' Material Safety Data Sheets and Labels, CHIP Approved Supply lists, Codes of Practice and Guidance Notes.