



# M.S.D.S.INFO

## Tough Gard Liquid

## Tough Gard Gel

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### TOUGH GARD® LIQUID

MSDS TG2000-2 / Rev April 24, 2000

#### SECTION I. PRODUCT INFORMATION ▲TOP

Product Name: Tough Gard®  
 Part Number: TG-101-01, TG-101-05, TG-101-14S, TG-101-32SP, TG-101-55

**Product use:** Water-based solution to protect welding torch components from excessive spatter accumulation.

**WHMIS DESIGNATION:** NOT CONTROLLED  
**OSHA DESIGNATION:** NOT REGULATED

#### SECTION II. COMPOSITION/ INFORMATION ON INGREDIENTS ▲TOP

NO HAZARDOUS MATERIALS ABOVE THE LEVELS STIPULATED BY FEDERAL REGULATIONS

Chemical Name	CAS #	Weight %
Ethoxylate	84133-50-6	<0.5%
Magnesium Nitrate	10377-60-3	<230ppm
Unreacted secondary alcohol	126960-60-5	<50 ppm
Isothiazolin A	26172-55-4	<50ppm
Isothiazolin B	2682-20-4	<10ppm
Magnesium Chloride	7786-30-3	<10ppm

#### SECTION III. PHYSICAL DATA ▲TOP

Boiling point @ 760 mmHg: 100C  
 Specific Gravity: 1.037 (Water =1.0)  
 Freezing Point: 0C  
 Evaporation Rate: 0.35 (n-Butyl acetate=1.00)  
 Vapor density: Not determined  
 Vapor pressure: 4 mm Hg @ 20C  
 pH: 5-7  
 Solubility in water by wt: 100% water-soluble

**Appearance:** Green translucent liquid  
**Odor:** odorless  
**Physical State:** liquid

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**SECTION IV. FIRE OR EXPLOSION HAZARD**

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▲TOP

**Flammable:** NON-FLAMMABLE  
**Extinguishing media:** N/A  
**Flash point:** N/A  
**Lower flammable limit (%volume):** N/A  
**Upper flammable limit (%volume):** N/A  
**Auto ignition Temp:** N/A  
**Impact/shock sensitivity:** N/A  
**Sensitivity to Static Discharge:** N/A  
**Hazardous combustion Products:** N/A

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**SECTION V: REACTIVITY DATA**

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**Stability:** chemically stable  
**Conditions to Avoid:** None currently known  
**Incompatibility (materials to avoid):** Normally unreactive; however avoid strong bases at high temperatures, strong acids, strong oxidizing agents, and materials reactive with hydroxyl compounds  
**Hazardous Combustion or Decomposition Products:** carbon monoxide and/or carbon dioxide

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**SECTION VI. POTENTIAL HEALTH EFFECTS**

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▲TOP

**Skin contact:** Not evidence of harmful effects from available information  
**Skin Absorption:** Not evidence of harmful effects from available information  
**Eye contact:** Not evidence of harmful effects from available information  
**Ingestion:** Not evidence of harmful effects from available information  
**Inhalation:** Not evidence of harmful effects from available information  
**Exposure Limits:** N/A  
**Irritancy of product:** none  
**Teratogenicity:** No  
**Mutagenicity:** No  
**Carcinogenicity:** Not known

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**SECTION VII: PREVENTIVE MEASURES**

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▲TOP

**Personal Protective Equipment:** General protective equipment is expected to be satisfactory.  
**Engineering Controls:** General (mechanical) room ventilation is expected to be satisfactory.  
**Leak/Spill Procedures:** Spills can be flushed with large amounts of water.  
**Waste Disposal:** BIODEGRADABLE in a biological wastewater treatment plant.

Handling Procedures and Equipment  
Storage requirements: Store in closed containers at 5-20 C  
Shipping information: Do not let freeze outside

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**SECTION VIII: FIRST AID MEASURES**

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Skin: wash with plenty of water  
Eye: flush with plenty of water  
Inhalation: no emergency care anticipated.  
Ingestion: no emergency care anticipated

Notes to Physician: Toxicology studies on the main ingredients of this product have shown these to be of very low acute toxicity and nonirritating. There is no specific antidote. Treatment of overexposure should be directed at the control of symptoms and the clinical condition of the patient.

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**SECTION IX: REGULATORY INFORMATION**

▲TOP

Chemicals on Reporting Rules (CORR)  
USA Federal regulation: 4996-9 Date: Feb 28, 1996: NONE

**Toxic Substances Control Act (TSCA)**  
The ingredients of this product are on the TSCA inventory  
**Domestic Substances List (DSL)**  
The ingredients of this product are on the Canadian Domestic Substances List (DSL).

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**SECTION IX: PREPARATION INFORMATION**

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MANUFACTURER Tregaskiss Ltd,  
2570 North Talbot Rd, Oldcastle, ON, N0R 1L0 (519) 737 6966  
PREPARED BY R&D Department ext 275  
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