

## SAFETY DATA SHEET

TOUGH GARD®

### 1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND THE COMPANY/UNDERTAKING

#### 1.1 Product Identifier:

Trade name: TOUGH GARD® Anti-Spatter Liquid

Product Number: TG101-01, TG101-05, TG101-14S, TG101-32SP, TG101-55.

#### 1.2 Relevant Identified Users of the Substance or Mixture and Uses Advised Against

Product use: Protect welding torch components from excessive spatter accumulation.

#### 1.3 Details of the Supplier of the Safety Data Sheet:

Manufacturer: Tregaskiss, 2570 North Talbot Road, Windsor, Ontario, Canada N0R 1L0,

Information Phone: 1-855-644-9353, Fax: 1-877-737-2111, E-mail: [techsupport@tregaskiss.com](mailto:techsupport@tregaskiss.com)

#### 1.4 Emergency Phone Number: Spill information: 1-519-737-3000 (8:00 am to 5:00 pm, time zone: -5)

#### 1.5 SDS Date of Preparation: April 20, 2020

### 2. HAZARDS IDENTIFICATION

#### 2.1 Classification of the Substance of Mixture

CLP/GHS Classification (1272/2008): Not classified as hazardous

EU Classification (67/548/EEC): Not classified as dangerous

#### 2.2 Label elements:



#### 2.3 Other hazardous: No

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

#### 3.1 Substances

Chemical Name	CAS #	EINECS#	EU Classification (67/548/EEC)	GHS Classification Regulation (EC) No 1272/2008	%
Water	7732-18-5	231-791-2	Not classified as dangerous	Not hazardous	> 80%
Polymeric Glycol	Proprietary	Not Assigned	Not classified as dangerous	Not hazardous	< 20%

See Section 16 for further information on EU and GHS Classification

### 4: FIRST AID MEASURES

#### 4.1 Description of First Aid Measures

**Eye:** Flush with running water for at least 15 minutes. Get medical attention if irritation develops.

**Skin:** No first aid should be required. Wash with running water and soap.

**Inhalation:** No first aid should be needed. Remove to fresh air. Assist in breathing if necessary, and get medical attention.

**Ingestion:** Rinse mouth with water. Seek medical attention.

**4.2 Most important Symptoms and Effects, Both Acute and Delayed:** May cause slight eye irritation with redness and tearing.

**4.3 Indication of Any Immediate Medical Attention and Special treatment Needed:** None required.

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## 5. FIRE-FIGHTING MEASURES

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**5.1 Extinguishing Media:** Use any media that is suitable for the surrounding fire.

**5.2 Special Hazards Arising from the Substance or Mixture:**

Unusual Fire and Explosion Hazards: None, this product is not combustible.

Hazard Decomposition Products: Combustion of the residue after the water has evaporated will release oxides of carbon.

**5.3 Advice for Fire-Fighters:**

Firefighters should always wear self-contained breathing apparatus and full protective clothing for fires involving chemicals or in confined spaces. Cool fire exposed containers with water.

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## 6. ACCIDENTAL RELEASE MEASURE

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**6.1 Personal precautions, Protective Equipment and Emergency Procedures:**

Wear chemical resistant goggles and gloves. Avoid breathing dust / mist. Keep sufficient ventilation. Spilled material may cause a slipping hazard.

**6.2 Environmental precautions:** Report spill by local and federal regulations.

**6.3 Method and Material for Containment and Cleaning Up:**

Contain and collect using an absorbent material and place in a suitable container for disposal.

**6.4 Reference to Other Sections:**

Refer to Section 8 for protective equipment and Section 15 for disposal considerations.

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## 7. HANDLING AND STORAGE

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**7.1 Precautions for Safe Handling:** Avoid breathing spray mists. Wash hands after use.

**7.2 Condition for Safe Storage:**

Keep container tightly closed. Store at 4 - 30 °C. Avoid direct sun shine. **Shelf life:** two (2) years.

**7.3 Specific end use(s):** Welding applications

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## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

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**8.1 Control Parameters:**

Chemical Name	Exposure Limits
Water	None Established
Polymeric Glycol	10 mg/m <sup>3</sup> TWA (total particulate) Manufacturer Recommended.

**8.2 Exposure Control:**

**Engineering control:** Provide local exhaust ventilation at a spray application.

**Personal protection:**

Respiratory: Wear a NIOSH certified (or equivalent) respirator at spray applications.

Skin Protection: Wear Nitrile or Butyle rubber gloves and clean body-covering clothing.

Eye Protection: Use chemical safety goggles. Maintain eye wash fountain and quick-drench facilities in work area.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### 9.1 Information on Basic Physical and Chemical Properties:

Appearance: Green translucent liquid	Vapor density: Same as water
Odor: Odorless	Specific Gravity: 1.04 (Water = 1.00).
Odor Threshold: No data available	Solubility in water by wt: 100 % water-soluble
pH: 5 – 7	Octanol/water partition coefficient: Not available
Boiling point @ 760 mmHg: 100 °C.	Auto-ignition Temperature: None
Freezing Point: - 2 °C	Decomposition Temperature: None
Flash point: Non-flammable	Viscosity: 1.02 centipoises at 25 °C
Evaporation Rate: < 0.01 (n-Butyl acetate = 1.00)	Explosion Properties: Not explosive
Flammable Limits: None	Oxidizing Properties: Not oxidizing
Vapor pressure: 17.5 mm Hg @ 20 °C (water)	VOC content: 0 %

### 9.2 Other information: None

## 10: STABILITY AND REACTIVITY

**10.1 Reactivity:** Not reactive under normal conditions of use

**10.2 Chemical Stability:** Stable under normal storage and handling conditions

**10.3 Possibility of Hazardous Reactions:** None known.

### 10.4 Conditions to Avoid:

Avoid temperature extremes (excessive heat or freezing) to protect product quality.

**10.5 Incompatible Materials:** Avoid contact with oxidizing agents, acids and alkalis.

### 10.6 Hazardous Decomposition Products:

Excessive heating can result in decomposition of the polymer generating aldehydes, alcohols, ethers, carbon oxides, carboxylic acids.

## 11: TOXICOLOGICAL INFORMATION

### 11.1 Information on Toxicological Effects:

Eye: May cause slight irritation with redness and tearing. Corneal injury is unlikely.

Skin: Prolonged or repeated exposure may cause redness, irritation and dryness.

Inhalation: None known.

Ingestion: Very low toxicity if swallowed. No adverse effects are expected from swallowing small amounts.

### Acute Toxicity Values:

Polymeric glycol: Oral rat LD50 32,500 mg/kg; Skin rabbit LD50 >20 g/kg; Inhalation rat LC50 >13 mg/L/8 hr (maximum attainable concentration).

**Irritation:** No data available. Product is expected to cause mild eye and skin irritation.

**Corrosivity:** This is not a corrosive product.

**Sensitization:** Polymeric glycol did not cause skin reactions when tested in humans.

**Repeat Dose Toxicity:** No data available.

### Carcinogen Status:

None of the components are listed as a carcinogen by IARC, NTP, ACGIH, OSHA or EU Substances Directive. Polymeric glycol did not cause cancer in laboratory animals.

**Germ Cell Mutagenicity:** In-vitro and in-vivo studies were negative for polymeric glycol.

### Toxicity for Reproduction:

Polymeric glycol did not cause birth defects or interfere with reproduction in laboratories.

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**12. ECOLOGICAL INFORMATION**

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**12.1 Toxicity:**

Practically non-toxic to aquatic organisms.

Polymeric glycol: LC50 fathead minnow 87,209 mg/L/96 hr; LC50 daphnia magna 53,484 mg/L/48 hr.

**12.2 Persistence and Degradability:**

Polymeric glycol is expected to readily biodegrade. BOD 20 40.2-70%.

**12.3 Bioaccumulative Potential:** Not expected to bioaccumulate.**12.4 Mobility in Soil:** No data available.**12.5 Results of PBT and vPvB Assessment:** Not required.**12.6 Other Adverse Effects:** None known

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**13. DISPOSAL INFORMATION**

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Dispose in accordance with federal, state and local environmental control regulations.

Biodegradable in a biological wastewater treatment plant.

Do not release untreated product into natural waters

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**14. TRANSPORT INFORMATION**

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	14.1 UN Number	14.2 UN Proper Shipping Name	14.3 Transport Hazard Class(s)	14.4 Packing Group	14.5 Environmental Hazards
US DOT		Not Regulated			
EU ADR/RID		Not Regulated			
IMDG		Not Regulated			

**14.6 Special Precautions for User:** None**14.7 Transport in Bulk According to Annex II of MARPOL 73/78 and the IBC Code:** Not applicable

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**15: REGULATORY INFORMATION**

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**15.1 Safety, Health and Environmental Regulations/Legislation Specific for the Substance or Mixture:**International Inventories:

**US EPA TSCA Inventory:** All of the components are listed on the TSCA inventory.

**European Union:** All of the components of this product are listed on the European Inventory of New and Existing Chemical Substances (EINECS) inventory.

**Australia:** All of the ingredients of this product are listed on the Australian Inventory of Chemical Substances (AICS).

**China:** All of the ingredients of this product are listed on the Inventory of Existing Chemical Substance in China (IECSC).

**Korea:** All of the components of this product are listed on the Korean Existing Chemical List (KECL).

U.S. Regulations:

**OSHA Hazard Classification:** Not Hazardous

**CERCLA:** This product is not subject to CERCLA reporting requirements, however, many states have more stringent release reporting requirements. Report spills required under federal, state and local regulations.

**EPA SARA 302:** This product does not contain chemicals regulated under SARA Section 302.

**EPA SARA 311 Hazard Classification:** Not Hazardous

**EPA SARA 313:** This product contains the following chemicals that are regulated under SARA Title III, section 313: None

**California Proposition 65:** This product contains the following chemicals which are known to the State of California to cause cancer, reproductive toxicity or birth defects: None

International Regulations:

WHMIS Classification: Not a controlled product

**15.2 Chemical Safety Assessment:** Not required

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**16: OTHER INFORMATION**

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SDS Revision History:

2015 June: Converted MSDS to EU REACH SDS

2018 April: Add pictogram to the Section 2.2

2020 May: Update the date

GHS Phrases for Reference (See Section 2 and 3): None

EU Classes and Risk Phrases for Reference (See Sections 2 and 3): None

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