



## Safety Data Sheet

### Safe Strip

#### 1. IDENTIFICATION

**Product Identifier:** Safe Strip  
**Canadian TDG:** Non Regulated  
**Synonyms:** None  
**Chemical Family:** Not known  
**Recommended Use:** Floor Stripper  
**Restrictions on Use:** Not known

**Manufacturer / Supplier:**

Genesis Chemicals  
602 – 13<sup>th</sup> St SE  
Medicine Hat, AB  
T1A 1X3

**Prepared by:** The Environmental, Health and Safety Department of Genesis Chemicals Ltd

**Preparation Date of SDS:** July 19, 2018

**Telephone number of preparer:** 403-528-4220

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#### 2. HAZARDS IDENTIFICATION

**GHS Classification**

Acute toxicity, oral – Category 5; Skin corrosion – Category 1; Serious eye damage – Category 1; Hazardous to aquatic environment, acute – Category 2



**Signal Word:** Danger

**Hazard Statements(s):**

May be harmful if swallowed.  
Causes severe skin burns and eye damage.  
Causes serious eye damage.  
Toxic to aquatic life.

**Precautionary Statement(s):**

## General:

Keep out of reach of children.  
Read label before use.

## Prevention:

Do not breathe dust/ fumes/ gas/ mist/ vapours/ spray.  
Wash hands, face and any exposed skin thoroughly after handling.  
Wear protective gloves/ protective clothing/ eye protection/ face protection.  
Avoid release to the environment.

## Response:

IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Immediately call a POISON CENTER or doctor/physician.  
IF ON SKIN (or hair): Rinse skin with water/shower. Remove/Take off immediately all contaminated clothing. Wash contaminated clothing before reuse.  
IF INHALED: Call a poison center or doctor/physician if you feel unwell.  
Remove victim to fresh air and keep at rest in a position comfortable for breathing.  
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do so. Continue rinsing. Immediately call a POISON CENTER or doctor/physician.

## Storage:

Store in a closed container.

## Disposal:

Dispose of contents and container in accordance with local, regional, national and international regulations.

**Other Hazards:**

None known.

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

| Chemical Name                     | CAS No.       | Concentration % |
|-----------------------------------|---------------|-----------------|
| Triethanolamine                   | 102-71-6      | 10-30           |
| Diethylene Glycol Monobutyl Ether | 112-34-5      | <20             |
| 2-Butoxyethanol                   | 111-76-2      | <20             |
| **Proprietary Component           | **Proprietary | <10             |
| **Proprietary Component           | **Proprietary | <10             |

**Notes**

\*\*If Chemical Name/CAS No is "proprietary" and/or Weight-% is listed as a range, the specific chemical identity and/or percentage of composition has been withheld as a trade secret.\*\*

**4. FIRST AID MEASURES****First-aid Measures**

**Inhalation**

Move to fresh air. Keep at rest in a position comfortable for breathing. Call a Poison Centre or doctor if you feel unwell or are concerned.

**Skin Contact**

Take off contaminated clothing, shoes and leather goods (e.g. watchbands, belts). Immediately rinse with lukewarm, gently flowing water for 15-20 minutes. If skin irritation or a rash occurs, get medical advice/attention. Thoroughly clean clothing, shoes and leather goods before reuse or dispose of safely.

**Eye Contact**

Immediately rinse the contaminated eye(s) with lukewarm, gently flowing water for 15-20 minutes, while holding the eyelid(s) open. Take care not to rinse contaminated water into the unaffected eye or onto the face. Remove contact lenses, if present and easy to do. If eye irritation persists, get medical advice/attention.

**Ingestion**

Immediately call a Poison Centre or doctor. Do not induce vomiting.

**Most Important Symptoms and Effects, Acute and Delayed**

If inhaled: at high concentrations symptoms may include headache, nausea, dizziness, drowsiness and confusion.

If on skin: causes severe skin damage. Symptoms include burns, blisters, redness, rash, itching and swelling.

If in eyes: causes severe eye damage. Symptoms include sore, red eyes, tearing, and blindness.

If swallowed: may be drawn into the lungs if swallowed or vomited, causing severe lung damage. Symptoms may include coughing, shortness of breath, difficult breathing and tightness in the chest.

**Immediate Medical Attention and Special Treatment****Special Instructions**

Not applicable.

## 5. FIRE-FIGHTING MEASURES

**Extinguishing Media****Suitable Extinguishing Media**

Water fog, carbon dioxide, dry chemical powder or appropriate foam.

**Unsuitable Extinguishing Media**

Water jet.

**Specific Hazards Arising from the Chemical**

Not flammable or combustible. However, sodium hydroxide fumes can be generated by thermal decomposition at elevated temperatures

**Special Protective Equipment and Precautions for Fire-fighters**

Evacuate area. Approach fire from upwind to avoid hazardous vapours or gases.

Stop leak before attempting to put out the fire. Product could form an explosive mixture and reignite. Keep containers cool to avoid bursting.

Before entry, especially into confined areas, use an appropriate monitor to check for: toxic gases or vapours, flammable or explosive atmosphere.

Dike and recover contaminated water for appropriate disposal.

Fire-fighters may enter the area if positive pressure SCBA and full Bunker Gear is worn. If there is potential for skin contact with concentrated cleaner: chemical protective clothing (e.g. chemical splash suit) and positive pressure SCBA may be necessary. See Skin Protection in Section 8 (Exposure Controls/Personal Protection) for advice on suitable chemical protective materials.

## 6. ACCIDENTAL RELEASE MEASURES

### **Personal Precautions, Protective Equipment, and Emergency Procedures**

Concentrated product: evacuate the area immediately. Isolate the hazard area. Keep out unnecessary and unprotected personnel. Eliminate all ignition sources. Use grounded, explosion-proof equipment. Distant ignition and flashback are possible.

Increase ventilation to area or move leaking container to a well-ventilated and secure area. Do not touch damaged containers or spilled product unless wearing appropriate protective equipment. Use the personal protective equipment recommended in Section 8 of this safety data sheet.

Review Section 7 (Handling) of this safety data sheet before proceeding with clean-up.

Before entry, especially into confined areas, check atmosphere with an appropriate monitor. Monitor area for flammable or explosive atmosphere.

Product (diluted as directed): use the personal protective equipment recommended in Section 8 of this safety data sheet. No other special precautions are necessary.

### **Environmental Precautions**

Concentrated product: do not allow into any sewer, on the ground or into any waterway. If the spill is inside a building, prevent product from entering drains, ventilation systems and confined areas.

### **Methods and Materials for Containment and Cleaning Up**

Scoop up or vacuum up and place in an appropriate closed container. Use vacuum suction with HEPA filters to clean up spilled material. Avoid raising dust. Flush area with water to remove trace residue

### **Other Information**

Report spills to local health, safety and environmental authorities, as required.

## 7. HANDLING AND STORAGE

### **Precautions for Safe Handling**

When handling diluted product: no special handling precautions are necessary.

When handling concentrated product: only use where there is adequate ventilation. Avoid generating vapours or mists. Keep containers tightly closed when not in use or empty. Wear personal protective equipment to avoid direct contact with this chemical.

Do NOT smoke in work areas. Wash hands thoroughly after handling this material. Immediately remove contaminated clothing using the method that minimizes exposure. Keep contaminated clothing under water, in closed containers. Launder clothes before rewearing. Inform laundry personnel of product hazard(s). Do not take contaminated clothing home.

### **Conditions for Safe Storage**

Concentrated product: store in an area that is: temperature-controlled, well-ventilated, out of direct sunlight and away from heat and ignition sources, an approved, fire-resistant area, separate from incompatible materials (see Section 10: Stability and Reactivity). Store in a closed container.

Protect from conditions listed in Conditions to Avoid in Section 10 (Stability and Reactivity). Keep amount in storage to a minimum. Avoid bulk storage indoors.

Comply with all applicable health and safety regulations, fire and building codes.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Control Parameters

| Ingredients                       | ACGIH® TLV®                            | OSHA PEL                                | IDLH          |
|-----------------------------------|--|---|---------------|
| Triethanolamine                   | 5 mg/m <sup>3</sup> TLV-TWA            | Not available                           | Not available |
| Diethylene Glycol Monobutyl Ether | Not available                          | Not available                           | Not available |
| 2-Butoxyethanol                   | 20 ppm (98 mg/m <sup>3</sup> ) TLV-TWA | 50 ppm (240 mg/m <sup>3</sup> ) PEL-TWA | 700 ppm       |
| **Proprietary Component           | None                                   | None                                    | None          |
| **Proprietary Component           | None                                   | None                                    | None          |

Consult local authorities for provincial or state exposure limits.

### Appropriate Engineering Controls

General ventilation is usually adequate. Provide eyewash and safety shower if contact or splash hazard exists. When handling large quantities of concentrated product: use a local exhaust ventilation and enclosure, if necessary, to control amount in the air. Use non-sparking ventilation systems, approved explosion-proof equipment and intrinsically safe electrical systems in areas where this product is used and stored.

### Individual Protection Measures

#### Eye/Face Protection

Do not get in eyes. Wear chemical safety goggles.

#### Skin Protection

Prevent all skin contact. Wear chemical protective clothing e.g. gloves, aprons, boots.

Suitable materials are: Barrier® (PE/PA/PE), Silver Shield/4H® (PE/EVAL/PE), Tychem® Responder, Tychem® TK.

The following materials should NOT be used: neoprene rubber, nitrile rubber, polyvinyl alcohol.

#### Respiratory Protection

Not normally required if product is used as directed.

Concentrated product: wear a NIOSH approved air-purifying respirator with an organic vapour cartridge.

For non-routine or emergency situations: wear a NIOSH approved air-purifying respirator with an organic vapour Cartridge, or, wear a NIOSH approved self-contained breathing apparatus (SCBA) or supplied air respirator.

**Other Personal Protection Data:** Ensure that eyewash stations and safety showers are proximal to the work-station location.

## 9. CHEMICAL AND PHYSICAL PROPERTIES

### Basic Physical and Chemical Properties

|                              |                 |
|------------------------------|-----------------|
| Appearance                   | Amber liquid    |
| Odour                        | Cherry          |
| Odour Threshold              | Not applicable  |
| pH                           | 9.5 – 10.5      |
| Melting Point/Freezing Point | Not available   |
| Initial Boiling Point/Range  | Not applicable  |
| Flash Point                  | >93°C (199.4°F) |
| Evaporation Rate             | Not available   |

|   |  |
|---|--|
| <b>Flammability (solid, gas)</b>                        | Not flammable                                  |
| <b>Upper/Lower Flammability or Explosive Limit</b>      | Not applicable (upper); Not applicable (lower) |
| <b>Vapour Pressure</b>                                  | Not applicable                                 |
| <b>Vapour Density (air = 1)</b>                         | Not applicable                                 |
| <b>Relative Density (specific gravity)</b>              | Not available                                  |
| <b>Solubility</b>                                       | Soluble in water                               |
| <b>Partition Coefficient, n-Octanol/Water (Log Kow)</b> | Not available                                  |
| <b>Auto-ignition Temperature</b>                        | Not available                                  |
| <b>Decomposition Temperature</b>                        | Not available                                  |
| <b>Viscosity</b>  | Not applicable                                 |
| <b>Other Information</b>                                |  |
| <b>Physical State:</b>                                  | Liquid   |

## 10. STABILITY AND REACTIVITY

### Reactivity

Soluble in water, releasing heat sufficient to ignite combustibles. Reacts with metals, and may form hydrogen gas.

### Chemical Stability

Normally stable.

### Possibility of Hazardous Reactions

Mixing with water, acid, or incompatible materials may cause splattering and release of large amounts of heat. Will react with some metals forming flammable hydrogen gas. Carbon monoxide gas may form upon contact with reducing sugars, food and beverage products in enclosed spaces.

### Conditions to Avoid

Excessive heat, open flames and all ignition sources. Incompatible materials.

### Incompatible Materials

Acids and halogenated compounds. Prolonged contact with aluminum, brass, bronze, copper, lead, tin, zinc or other alkali sensitive metals or alloys. Releases heat when diluted in water.

### Hazardous Decomposition Products

Toxic fumes of sodium oxide.

## 11. TOXICOLOGICAL INFORMATION

### Likely Routes of Exposure

Inhalation; skin contact; eye contact; ingestion.

| Chemical Name                     | LC50          | LD50 (oral)      | LD50 (dermal)       |
|-----------------------------------|---------------|------------------|---------------------|
| Triethanolamine                   | Not available | Rat = 4190 mg/kg | Rabbit = 2000 mg/kg |
| Diethylene Glycol Monobutyl Ether | Not available | Rat = 3384 mg/kg | Rabbit = 2700 mg/kg |

|                         |               |                  |                    |
|-------------------------|---------------|------------------|--------------------|
| 2-Butoxyethanol         | Rat = 455 ppm | Rat = 470 mg/kg  | Rabbit = 99 mg/kg  |
| **Proprietary Component | Not available | Rat = 2400 mg/kg | Rabbit >7940 mg/kg |
| **Proprietary Component | Not available | Not available    | Not available      |

### Acute Toxicity Estimates (ARE)

Acute Oral Toxicity: Acute toxicity estimate > 5000 mg/kg  
 Acute Inhalation Toxicity: No data available  
 Acute Dermal Toxicity: Acute toxicity estimate > 5000 mg/kg

### Skin Corrosion/Irritation

May cause mild irritation based on information for closely related chemicals.

### Serious Eye Damage/Irritation

No data available

### STOT (Specific Target Organ Toxicity) - Single Exposure

#### Inhalation

Category 1 - Respiratory System, Gastrointestinal System

### Aspiration Hazard

No data available

### STOT (Specific Target Organ Toxicity) - Repeated Exposure

No data available

### Respiratory and/or Skin Sensitization

No data available

### Carcinogenicity

| Chemical Name                     | IARC       | ACGIH      | NTP        | OSHA       |
|-----------------------------------|------------|------------|------------|------------|
| Triethanolamine                   | Group 3    | Not Listed | Not Listed | Not Listed |
| Diethylene Glycol Monobutyl Ether | Not Listed | Not Listed | Not Listed | Not Listed |
| 2-Butoxyethanol                   | Group 3    | A3         | Not Listed | Not Listed |
| **Proprietary Component           | Not Listed | Not Listed | Not Listed | Not Listed |
| **Proprietary Component           | Not Listed | Not Listed | Not Listed | Not Listed |

### Reproductive Toxicity

#### Development of Offspring

No data available

#### Sexual Function and Fertility

No data available

### Germ Cell Mutagenicity

Not mutagenic.

### Interactive Effects

No information was located.

### Additional Information:

No information was located.

## 12. ECOLOGICAL INFORMATION

### Ecotoxicological Information:

| Ingredients                          | Ecotoxicity - Fish Species Data   | Acute Crustaceans Toxicity:          | Ecotoxicity - Freshwater Algae Data                        |
|--------------------------------------|---|--------------------------------------|--|
| Triethanolamine                      | LC50 (fathead minnow) 11800 mg/L<br>LC50 (goldfish) 5000 mg/L   | Not available                        | Not available  |
| Diethylene Glycol<br>Monobutyl Ether | LC50 (bluegill) 1300 mg/L<br>LC50 (goldfish) 2700 mg/L  | Not available                        | Not available  |
| 2-Butoxyethanol                      | 1490 mg/L LC50 (Lepomis macrochirus) 96 h static<br>2950 mg/L LC50 (Lepomis macrochirus) 96 h                   | EC50: >1000mg/L (48h, Daphnia magna) | Not available  |
| **Proprietary Component              | RAINBOW TROUT (Oncorhynchus mykiss) 96H<br>LC50 368 mg/l<br>BLUEGILL (Lepomis macrochirus) 96H<br>LC50 868 mg/l | Daphnia magna 48H<br>EC50 527 mg/l   | GREEN ALGA (Selenastrum capricornutum) 96H<br>ErC50 3 mg/l |
| **Proprietary Component              | Not available   | Not available                        | Not available  |

### Other Information:

Do not allow product or runoff from fire control to enter storm or sanitary sewers, lakes, rivers, streams or public waterways. Block off drains and ditches. Spill areas must be cleaned and restored to original condition or to the satisfaction of authorities. May be harmful to aquatic life. Biodegrades (slow). Rapid volatilization. Not expected to bioconcentrate.

## 13. DISPOSAL CONSIDERATIONS

### Disposal Methods

Recommended disposal methods are for the product, as sold. (Used material may contain other hazardous contaminants). The required hazard evaluation of the waste and compliance with the applicable hazardous waste laws are the responsibility of the user.

Burn in an approved incinerator according to federal, provincial/state, and local regulations.

Empty containers retain product residue. Follow label warnings even if container appears to be empty. The container for this product can present explosion or fire hazards, even when emptied. Do not cut, puncture, or weld on or near this container.

## 14. TRANSPORT INFORMATION

**DOT (U.S.):**

**DOT Shipping Name:**

**DOT Hazardous Class:**

**DOT UN Number:**



**DOT Packing Group:**  
**DOT Reportable Quantity (lbs):** Not Available.  
**Note:** No additional remark.  
**Marine Pollutant:** No.

**TDG (Canada):**  
**TDG Shipping Name:**  
**Hazard Class:**  
**UN Number:**  
**Packing Group:**  
**Note:** No additional remark.  
**Marine Pollutant:** No.

**Special Precautions for User**  
Not applicable

**Transport in Bulk According to Annex II of MARPOL 73/78 and the IBC Code**  
Not applicable

## 15. REGULATORY INFORMATION

### Canada

**WHMIS Classification**  
E CORROSIVE MATERIAL

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the SDS contains all of the information required by the Controlled Products Regulations.

**Domestic Substances List (DSL) / Non-Domestic Substances List (NDSL)**  
All ingredients are listed on the DSL/NDSL.

### USA

**Toxic Substances Control Act (TSCA) Section 8(b)**  
All ingredients are listed on the TSCA Inventory.

## 16. OTHER INFORMATION

**Additional Information:** This product has been classified in accordance with the Globally Harmonized System of Classification and Labeling of Chemicals (GHS) and the SDS contains all the information required by the Hazardous Products Regulations (HPR).

**Prepared by:** The Environmental, Health and Safety Department of Genesis Chemicals Ltd

**Date of Latest Revision:** July 19, 2018

**Key to Abbreviations:** IARC = International Agency for Research on Cancer. Group 3 = Not classifiable as to its carcinogenicity to humans. ACGIH® = American Conference of Governmental Industrial Hygienists. A4 = Not classifiable as a human carcinogen. NTP = National Toxicology Program. OSHA = US Occupational Safety and Health Administration. ACGIH® = American Conference of Governmental Industrial Hygienists. TLV® = Threshold Limit

Value. TWA = Time-Weighted Average. STEL = Short-term Exposure Limit. A4 = Not classifiable as a human carcinogen. OSHA = US Occupational Safety and Health Administration. PEL = Permissible Exposure Limits. IDLH = Immediately Dangerous to Life and Health.

**Disclaimer:**

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Do not use ingredient information and/or ingredient percentages in this SDS as a product specification. For product specification information refer to a Product Specification Sheet and/or a Certificate of Analysis. These can be obtained from your local Genesis Chemicals Sales Office.

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**\*\*\*END OF SDS\*\*\***