

# Material Safety Data Sheet

## *Tramline*

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### 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product name: Tramline

Norac Concepts Inc.  
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Emergency telephone number: All hours, 613-787-5620, **ONLY** for health and environmental information.

### 2. COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous ingredients	% (w/w)	ACGIH TLV	CAS No.
Ethylene glycol mono	10 – 11	25 ppm	111-76-2
Hexylene ether (as glycol ether)	4 – 6	STEL – 25 ppm	107-41-5

Synonyms: None.

Chemical name: Surfactant blend.

Product use: Agricultural foam marker.

### 3. HAZARDS IDENTIFICATION

Physical Properties: Clear yellow liquid and mild glycol odour.

Route of entry: Eyes, skin, ingestion and inhalation.

Symptoms of acute exposure: May cause severe irritation to the eyes. May cause irritation to the skin and respiratory system

Effects of chronic exposure: None known

### 4. FIRST AID MEASURES

Inhalation: Move person to fresh air. Call 911 **IMMEDIATELY** for medical assistance. Give artificial respiration **ONLY** if breathing has stopped. Give cardiopulmonary resuscitation (CPR) if there is no breathing AND no pulse.

Skin contact: Remove contaminated clothing immediately. Flush skin with running water for a minimum of 20 minutes. If irritation persists obtain medical attention.

Eye contact: Immediately flush eyes with running water for a minimum of 20 minutes. Hold eyelids open during flushing. If irritation persists obtain medical attention.

Ingestion: Call 911 **IMMEDIATELY** for medical assistance. If person is alert and not convulsing, rinse mouth out and give 1 cup of water to dilute material. If spontaneous vomiting occurs, have victim lean forward with head down to avoid breathing in vomit, rinse mouth and administer more water.

Notes to Physician: There is on specific antidote, treat symptomatically

### 5. FIRE FIGHTING MEASURES

Flash point: &gt; 93.3°C. PMCC

Autoignition temperature: No data.

Flammable limits (lower): No data.

Flammable limits (upper): No data.

Extinguishing media: For large fires, apply aqueous film-forming foam or water in the form of a fog. For small fires, use carbon dioxide or dry chemical.

**Fire-fighting procedures:** Wear self-contained breathing apparatus and impervious clothing. Minimize the amount of water used and contain the run-off from entering water supplies or the environment by dyking.

**Other fire and explosion hazards:** Heating may cause pressure build-up and possible rupture of the container.

## 6. ACCIDENTAL RELEASE MEASURES

**Personal Precautions:** Wear personal protective equipment as described in Section 8.

**Environmental precautions:** Stop any further release to land or water. For water, utilize damming and/or water diversion to minimize spread of contamination to the environment.

**Spills, leaks or releases:** Absorb spilled material with a suitable absorbent. Wash hard surfaces with detergent and water, then absorb with absorbent. Collect any contaminated soil, water and absorbent and place in a waste container for proper disposal. Notify applicable government authority if release is reportable or could adversely affect the environment.

**Deactivating chemicals:** None known.

## 7. HANDLING AND STORAGE

**Handling procedures:** Use only with adequate ventilation and avoid contact with eyes, skin and clothing. Wear appropriate personal protective equipment. Wash thoroughly after use. If clothing becomes contaminated, wash thoroughly before re-use. Spilled material maybe slippery; clean up spills immediately before walking in spill area.

**Storage requirements:** Store in a cool, dry and well-ventilated area. Keep away from sources of heat, sparks and flame. Keep containers closed. Keep out of reach of children and pets.

**Storage temperature:** Protect from freezing.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Eye protection:** Chemical safety goggles.

**Skin protection:** Chemical-resistant gloves and protective clothing should be impervious under conditions of use.

**Respiratory protection:** Use NIOSH/MSHA-approved respirator when mist or spray may be generated. Normally not required.

**Other protective equipment:** Eye wash station.

**Engineering controls:** Provide local exhaust or ventilation.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Appearance:** Clear yellow liquid.

**Odour:** Mild glycol odour.

**Specific gravity:** 1.02.

**Boiling point:** Not determined.

**Melting point:** Not determined.

**Solubility (water):** Miscible.

**Solubility (other):** No data.

**pH:** Not available.

**% volatile:** Not determined.

**Evaporation rate (ether=1):** Not determined.

**Vapour pressure (mm Hg at 20°C):** Not determined.

**Vapour density (air=1):** Not determined.

## 10. STABILITY AND REACTIVITY

**Chemical stability:** Stable under normal conditions.

**Hazardous polymerization:** Will not occur.

**Conditions to avoid:** Sources of high heat.

**Incompatibility with other substances:** None known.

**Hazardous decomposition products:** May produce hazardous fumes or hazardous decomposition products.

## 11. TOXICOLOGICAL INFORMATION

**Inhalation:** Inhalation of vapours may cause headache and nausea. Inhalation of mist or sprays may result in irritation to the upper respiratory tract.

**Skin contact:** May cause mild skin irritation.

**Eye contact:** Vapours may be irritating to the eyes. Mists, sprays and liquid may be moderately to severely irritating to the eyes.

**Ingestion:** May cause irritation to the mouth, throat and gastrointestinal tract. Nausea, vomiting, cramps and diarrhoea may occur.

**Chronic effects:** None known.

## 12. ECOLOGICAL INFORMATION

**Ecotoxicological information:** None known.

**Environmental effects:** Do not contaminate domestic or irrigation water supplies, lakes, streams, ponds, or rivers.

**Persistence and degradation:** Not known.

## 13. DISPOSAL CONSIDERATIONS

**Container Disposal:** Non-refillable container. Do not reuse. Triple rinse container and place rinse water into the spray tank. If available, offer for recycling or puncture and dispose of in a sanitary landfill, or by other procedures approved by provincial and local authorities.

**Waste Disposal:** Dispose of waste material at an approved (hazardous) waste treatment/disposal facility in accordance with applicable local, provincial and federal regulations. Do not dispose of waste with normal garbage or to sewer systems.

## 14. TRANSPORT INFORMATION

**Canadian TDG classification:** Not regulated.

**Transportation emergency telephone number:** 613-787-5620.

## 15. REGULATORY INFORMATION

**WHMIS classification:** D2B.

**NFPA hazard rating:** Fire: 1; Health: 2; Reactivity: 1.

## 16. OTHER INFORMATION

The information contained herein is offered only as a guide to the handling of this specific material and has been prepared in good faith by technically knowledgeable personnel. It is not intended to be all-inclusive and the manner and conditions of use and handling may involve other and additional considerations. No warranty of any kind is given or implied and Norac Concepts Inc. will not be liable for any damages, losses, injuries or consequential damages which may result from the use of or reliance on any information contained herein. This Material Safety Data Sheet is valid for three years.

**Prepared by:** Norac Concepts Inc.  
Technical Department