

Material Safety Data Sheet

Tramline

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1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product name: Tramline

Norac Concepts Inc.
P.O. Box 31097, Guelph, ON N1H 8K1
519-821-3633

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
Butyl ether (as glycol ether)			

Synonyms: None.

Chemical name: Surfactant blend.

Product use: Agricultural foam marker.

3. HAZARDS IDENTIFICATION

Summary: Hazardous properties of all ingredients have been considered in the preparation of this MSDS. Read the entire MSDS for the complete hazard evaluation of this product.

Emergency overview: May cause irritation to the skin, eyes and respiratory system.

4. FIRST AID MEASURES

Inhalation: Move victim to fresh air. Give artificial respiration **ONLY** if breathing has stopped. Give cardiopulmonary resuscitation (CPR) if there is no breathing **AND** no pulse. Obtain medical advice **IMMEDIATELY**.

Skin contact: Flush skin with running water for a minimum of 20 minutes. Start flushing while removing contaminated clothing. If irritation persists, repeat flushing. Obtain medical attention **IMMEDIATELY**.

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

Ingestion: If victim is alert and not convulsing, rinse mouth out and give 200-300 mL (1 cup) of water to dilute material. If spontaneous vomiting occurs, have victim lean forward with head down to avoid breathing in of vomitus, rinse mouth and administer more water. Obtain medical attention **IMMEDIATELY**.

5. FIRE AND EXPLOSION HAZARD DATA

Flash point: > 100°C.

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

Spills, leaks or releases: Wear personal protective equipment. For release to land, stop any further release and spread of contamination and absorb spilled material with a suitable absorbent. Wash hard surfaces with detergent and water, then absorb with suitable absorbent. For release to water, stop any further release and utilize damming and/or water diversion to minimize the spread of contamination. Collect the spilled material, any contaminated soil, water and absorbent, then 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 INFORMATION

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 may be 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: Bland.

Specific gravity: 1.02.

Boiling point: Not determined.

Melting point: Not determined.

Solubility (water): Miscible.

Solubility (other): No data.

pH: Not available.

% volatile: 55%.

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 DATA

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

Summary: May cause irritation to the skin, eyes and respiratory system.

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

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

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.