

Material Safety Data Sheet

Suppress

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1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product name: Suppress

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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.
Non-hazardous Ingredients			

Synonyms: None known.

Chemical name: Polydimethylsiloxane.

Product use: Agricultural antifoam/defoamer.

3. HAZARDS IDENTIFICATION

Physical Properties: White viscous liquid.

Route of entry: Eyes and skin.

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

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: > 93.3°C.

Autoignition temperature: No data.

Flammable limits (lower): No data.

Flammable limits (upper): No data.

Extinguishing media: Use extinguishing media appropriate to the source of the fire.

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:** None known.

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: Wash surfaces with heavy duty detergent and water to reduce slip hazard.

7. HANDLING AND STORAGE

Handling procedures: Use only with adequate ventilation. 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.

Storage requirements: Store in a cool, well-ventilated area. Keep containers closed. Keep out of reach of children and pets.

Storage temperature: Do not allow the product to freeze.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Eye protection: Use chemical safety goggles when there is a potential for eye contact.

Skin protection: Chemical-resistant gloves and protective clothing that is impervious under conditions of use.

Respiratory protection: NIOSH/MSHA-approved respirator. Normally not required.

Other protective equipment: Eye wash station.

Engineering controls: Provide local exhaust and/or adequate ventilation.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Milky white liquid.

Odour: Slight mild odour.

Specific gravity: 1.0 at 20°C.

Boiling point: >100°C.

Melting point: No data.

Solubility (water): Dispersible in water.

Solubility (other): No data.

pH: No data.

% volatile: Negligible.

Evaporation rate (ether=1): <1.

Vapour pressure (mm Hg at 20°C): No data.

Vapour density (air=1): >1.

10. STABILITY AND REACTIVITY

Chemical stability: Stable at normal conditions.

Hazardous polymerization: Will not occur.

Conditions to avoid: None known.

Incompatibility with other substances: Strong acids and oxidizers.

Hazardous decomposition products: May produce oxides of carbon and silicon. Dimethylsiloxane can generate formaldehyde at temperatures above 150°C in the presence of oxygen.

11. TOXICOLOGICAL INFORMATION

Inhalation: No irritation of the respiratory system is anticipated for short-term exposure.

Skin contact: Effects of short-term exposure are expected to be minimal. Prolonged exposure may cause irritation.

Eye contact: Direct contact may cause eye irritation, discomfort, redness and swelling.

Ingestion: No hazards are anticipated from swallowing small amounts incidental to normal handling operations.

Chronic effects: Based on available data, repeated exposures are not anticipated to cause any significant adverse effects.

Carcinogenicity: Polymethylsiloxane did not cause any cancer in long-term oral studies in animals.

Mutagenicity: In-vitro and animal mutagenicity studies have been negative.

Reproductive effects: In animal studies, dimethylsiloxane has been shown not to interfere with reproduction.

12. ECOLOGICAL INFORMATION

Ecotoxicological information

LC₅₀ for zebra fish is 250 mg/L/96 hours

Acute oral LD₅₀ for bobwhite quail is > 5000 mg/kg based on dimethylsiloxane

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

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: Not regulated.

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