

# Material Safety Data Sheet

## *Sentry*

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### 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product name: Sentry

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.
Nonyl phenol ethoxylates	90 – 95	NA	68412-54-4
Isobutanol	5 – 10	150 mg/m <sup>3</sup>	78-83-1

Synonyms: None known

Chemical name: Nonyl phenol ethoxylates

Product use: Agricultural non-ionic surfactant

Registration number: 28343 Pest Control Products Act

### 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 eye damage. May cause mild irritation to the skin 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:** >42°C (TCC)

**Autoignition temperature:** >360°C

**Flammable limits (lower):** 1.8%

**Flammable limits (upper):** 10.6%

**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. Water stream may spread flames.

**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. Fire-exposed containers should be kept cool by spraying with water to reduce pressure.

**Other fire and explosion hazards:** None known.

## 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 reuse. 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 heat, sparks and flame. Keep containers closed. Keep out of reach of children and pets.

**Storage temperature:** Do not expose to temperatures above 40°C for extended periods.

## 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:** If misting conditions exist, use NIOSH/MSHA-approved respirator for organic vapours.

**Other protective equipment:** None required.

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

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Appearance:** Clear colourless liquid

**Odour:** Mild sweet odour

**Specific gravity:** 0.975 at 20°C

**Boiling point:** No data

**Melting point:** >20°C

**Solubility (water):** Slightly soluble

**Solubility (other):** No data

**pH:** 6.0 to 6.5

**% volatile:** <10%

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

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

**Vapour density (air=1):** No data

## 10. STABILITY AND REACTIVITY DATA

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

**Hazardous polymerization:** Will not occur.

**Conditions to avoid:** Sources of extreme heat or ignition and prolonged storage at temperatures above 40°C.

**Incompatibility with other substances:** Strong oxidizing agents.

**Hazardous decomposition products:** Oxides of carbon and possibly irritating gases.

## 11. TOXICOLOGICAL INFORMATION

**Summary:** May cause eye damage. May cause mild irritation to the skin and respiratory system.

### Toxicological data

#### Isobutanol

Oral LD<sub>50</sub> (rat) = 2460 mg/kg

Dermal LD<sub>50</sub> (rabbit) = 4240 mg/kg

Inhalation LC<sub>50</sub> (rat) = 8000 ppm for 4hr

**Inhalation:** High concentrations of mist may cause slight irritation of the nose, throat and respiratory system.

**Skin contact:** Prolonged and repeated exposure may cause irritation.

**Eye contact:** May cause eye damage. Can cause redness and tissue damage.

**Ingestion:** Low acute oral toxicity. May cause irritation to the gastrointestinal tract.

**Chronic effects:** Skin contact may aggravate pre-existing skin conditions. Inhalation of mists may aggravate pre-existing respiratory conditions.

**Carcinogenicity:** The ingredients in this product are not classified as carcinogenic by the ACGIH, IARC, OSHA and the NTP.

## 12. ECOLOGICAL INFORMATION

**Ecotoxicological information:** May be harmful to aquatic life.

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

**Persistence and degradation:** The product is substantially biodegradable in water.

## 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:** This product is registered under the *Pest Control Product Act* and is exempt from the requirements of WHMIS.

## 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.