

MATERIAL SAFETY DATA SHEET

Neverox Anti-Rust Emulsion

Section 1: PRODUCT AND COMPANY IDENTIFICATION

Product Name: Neverox Anti-Rust Emulsion

Product Number: NEV.378, NEV.189, NEV.204

Product Use: Rust Conversion Inhibitor Coating

Manufacturer: Brentwood Polymer Coatings Inc.
324 Saunders Road, Unit 7 & 8, Barrie, Ontario, Canada L4N 9Y2

Phone Number: (855) 792-0500

Emergency Phone: Canutec (613) 996-6666
Chemtrec (800) 424-9300

Date of Preparation: March 6, 2012

Section 2: HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

CAUTION! Ingestion may cause liver and kidney damage. Inhalation may cause irritation to the respiratory tract. Direct skin and eye contact may cause irritation.

Potential Health Effects: See Section 11 for more information.

Likely Routes of Exposure: Skin contact, skin absorption, eye contact, inhalation, ingestion

Eye: May cause eye irritation (burning, tearing, redness or swelling).

Skin: None expected, however, prolonged contact may cause irritation.

Ingestion: Prolonged exposure may cause liver and kidney damage.

Inhalation: None expected, however certain individuals may experience minor nausea or headaches.

Chronic Effects: Prolonged exposure ingestion may cause liver and kidney damage.

Signs and Symptoms: Symptoms may include minor nausea of headache, redness of the eye and skin.

Medical Conditions Aggravated By Exposure: Allergies

MATERIAL SAFETY DATA SHEET

Neverox Anti-Rust Emulsion

Target Organs: liver, kidneys

Potential Environmental Effects: None known

Section 3: COMPOSITION / INFORMATION ON INGREDIENTS

Ingredient	CAS#	WT. %
Butoxyethanol (Butyl Cellosolve)	111-76-2	1 - 5

Section 4: FIRST AID MEASURES

Eye Contact: In case of contact, hold eyelids apart and immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention immediately if irritation develops and persists.

Skin Contact: Remove contaminated clothing and shoes. Wash affected areas with soap and water.

Inhalation: Remove the person from the contaminated area to fresh air. If breathing is difficult, give oxygen. Contact a physician if symptoms develop.

Ingestion: Drink water to dilute. Do not induce vomiting. Call a physician.

General Advice:

Note to Physicians: This product contains traces of butoxyethanol, an ahemolytic agent. Prolonged exposure to butoxyethanol by ingestion can cause liver and kidney damage.

Section 5: FIRE FIGHTING MEASURES

Flammability: Product is not considered flammable or combustible.

Means of Extinction:

Suitable Extinguishing Media: Carbon dioxide, water, water fog, dry chemical, chemical foam.

Unsuitable Extinguishing Media: None known

Products of Combustion: oxides of carbon, hydrocarbons, peroxides.

Explosion Data: Non known

Sensitivity to Mechanical Impact: None

Sensitivity to Static Discharge: None

MATERIAL SAFETY DATA SHEET

Neverox Anti-Rust Emulsion

Protection of Firefighters: Keep containers cool with water spray to prevent container rupture due to steam build-up; floor will become slippery if material is released. Firefighters should wear self-contained breathing apparatus and full protective gear.

Section 6: ACCIDENTAL RELEASE MEASURES

Personal Precautions:

Environmental Precautions:

Methods for Containment: Contain and/or absorb spill with inert material (e.g. sand, vermiculite). Collect and dispose in accordance with applicable regulations.

Methods for Clean-Up: Contain and/or absorb spill with inert material (e.g. sand, vermiculite). Collect and dispose in accordance with applicable regulations.

Other Information:

Section 7: HANDLING & STORAGE

Handling: Keep containers tightly closed. Store in a cool, dry, well-ventilated area. Protect from physical damage. Protect from extreme temperatures, heat, flame, and strong oxidants. Keep out of reach of children.

Storage: Keep containers tightly closed. Store in a cool, dry, well-ventilated area. Protect from physical damage. Protect from extreme temperatures, heat, flame, and strong oxidants. Keep out of reach of children.

Section 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

EXPOSURE GUIDELINES

Ingredient

Butoxyethanol

Exposure Limits

ACGIH-TLV

50 ppm (240 mg/mf)

Engineering Controls: Use with adequate general and local exhaust ventilation. When used outdoors, stay well away from building air intakes or close and seal the intakes to prevent product from entering building.

Personal Protective Equipment:

Eye/Face Protection: Safety glasses with side shields or goggles recommended.

Hand Protection: Use with chemical-protective vinyl gloves to prevent skin contact

Skin and Body Protection: Use with chemical-protective gloves to prevent skin contact

Respiratory Protection: NIOSH/MSHA approved respirator

MATERIAL SAFETY DATA SHEET

Neverox Anti-Rust Emulsion

General Hygiene Considerations:

Section 9: PHYSICAL AND CHEMICAL PROPERTIES
--

Appearance: Creamy liquid

Colour: Grey

Odour: Sweet, paint-like odour

Odour Threshold: Not available

Physical State: Liquid

pH: 4.0

Viscosity: 1500 cP

Freezing Point: -1°C (30.2°F)

Boiling Point: 100°C (212°F)

Flash Point: 100°C (212°F)

Evaporation Rate: <1

Lower Flammability Limit: Not available

Upper Flammability Limit: Not available

Vapour Pressure: Not available

Vapour Density: >1

Specific Gravity: 1.09

Solubility in Water: Dispersible

Coefficient of Water/Oil Distribution: Not available

Auto Ignition Temperature: Not applicable

Volatility: 44 to 46% (w/w)

MATERIAL SAFETY DATA SHEET

Neverox Anti-Rust Emulsion

VOC content, wt. %: 29.3 g/l

Section 10: STABILITY AND REACTIVITY

Stability: Stable

Conditions of Reactivity: None

Incompatible Materials: Strong oxidizers, strong acids

Hazardous Decomposition Products: Decomposition will not occur if handled and stored properly.

Possibility of Hazardous Reactions: Will not occur.

Section 11: TOXICOLOGY INFORMATION

EFFECTS OF ACUTE EXPOSURE

Component Analysis

Butoxyethanol (Butyl Cellosolve)

Dermal, guinea pig: LD50 = 230 uL/kg; Draize test, rabbit, eye: 100 mg Severe; Draize test, rabbit, eye: 100 mg/24H Moderate; Inhalation, mouse: LC50 = 700 ppm/7H; Inhalation, rat: LC50 = 450 ppm/4H; Oral, mouse: LD50 = 1230 mg/kg; Oral, rabbit: LD50 = 300 mg/kg; Oral, rat: LD50 = 470 mg/kg; Skin, rabbit: LD50 = 220 mg/kg.

EFFECTS OF CHRONIC EXPOSURE

Target Organs: liver, kidneys

Chronic Effects: This product contains traces of butoxyethanol, an ahemolytic agent. Prolonged exposure to butoxyethanol by ingestion can cause liver and kidney damage.

Carcinogenicity: Butoxyethanol -
Not listed by ACGIH, IARC, NIOSH, NTP, or OSHA

Section 12: ECOLOGICAL INFORMATION

Ecotoxicity: Butoxyethanol (Butyl Cellosolve)

24-Hr. LC50; goldfish: 1650 mg/L , 96-Hr. LC50; bluegill sunfish: 1490 mg/L ,96-Hr. LC50; tidewater silversides: 1250 mg/L

MATERIAL SAFETY DATA SHEET

Neverox Anti-Rust Emulsion

Persistence / Degradability: Not available

Bioaccumulation / Accumulation: Not available

Mobility in Environment: Not available

Section 13: DISPOSAL CONSIDERATIONS

Disposal Instructions: Dispose in accordance with applicable federal, provincial, state and local government regulations.

Section 14: TRANSPORTATION INFORMATION

TDG Classification: Not Restricted

Section 15: REGULATORY INFORMATION

Federal Regulations

Canadian: This product has been classified in accordance with the hazard criteria of the CPR and the MSDS contains all the information required by the CPR. WHMIS Classification: D2A - Very Toxic

Ingredient s – Canadian Regulatory Information

HMIS – Hazardous Materials Identification System

Health - 1 Flammability – 0 Reactivity - 0

NFPA – National Fire Protection Association

Health - 1 Fire - 0 Reactivity - 0

Hazard Rating: 0 = minimal, 1 = slight, 2 = moderate, 3 = severe, 4 = extreme

WHMIS Classifications:

WHMIS Hazard Symbols:



SOURCE AGENCY CARCINOGEN CLASSIFICATIONS:

OSHA (O) Occupational Safety and Health Administration

MATERIAL SAFETY DATA SHEET

Neverox Anti-Rust Emulsion

ACGIH (G) American Conference of Governmental Industrial Hygienists

- A1 – Confirmed human carcinogen
- A2 – Suspected human carcinogen
- A3 – Animal Carcinogen
- A4 – Not Classifiable as a human carcinogen
- A5 – Not suspected as a human carcinogen

IARC (1) International Agency for Research on Cancer

- 1 – The agent (mixture) is carcinogenic to humans
- 2A – The agent (mixture) is probably carcinogenic to humans: there is limited evidence of carcinogenicity in humans and sufficient evidence of carcinogenicity in experimental animals.
- 2B – The agent (mixture) is possibly carcinogenic to humans; there is limited evidence of carcinogenicity in the absence of sufficient evidence of carcinogenicity in experimental animals.
- 3 – The agent (mixture, exposure circumstance) is not classifiable as to its carcinogenicity to humans.
- 4 – The agent (mixture, exposure circumstance) is probably not carcinogenic to humans.

NTP (N) National Toxicology Program

- 1 – Known to be carcinogens.
- 2 – Reasonably anticipated to be carcinogens.

Section 16: OTHER INFORMATION

Disclaimer: Although reasonable care has been taken in the preparation of this document, we extend no warranties and make no representations as to the accuracy or completeness of the information contained therein, and assume no responsibility regarding the suitability of this information for the user's intended purposes or for the consequences of its use. Each individual should make a determination as to the suitability of the information for their particular purpose(s).
Brentwood Polymer Coatings Inc.

Version: 1.02