

MATERIAL SAFETY DATA SHEET

MANUFACTURER:
ENTAC EMULSION PRODUCTS INC.
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Manufacturer Information

T.D.G. Classification.....Not available
Chemical name.....Tall Oil Pitch Emulsion (TOP Series 100-300)

Chemical formula..... Not available
Molecular weight..... Not available
Chemical family.....Emulsion of sterol esters of C₁₈ straight chain and C₂₀ straight chain fatty and resin organic acids

Material use Fugitive dust control

Hazardous Ingredients

None: (Entac emulsions are 100% organic emulsion produced from naturally occurring resins derived from tree sap.)

Physical Data

Physical state..... Liquid
Odor/appearance..... Brown emulsion w/bland odor
Odor threshold..... Not established
Vapor pressure N/A
Vapor density (air=1) N/A
Evaporation rate (butyl acetate=1.0)
Boiling point >350°C
Freezing point solid may form below 10°C
pH 5
Specific gravity..... >0.998 @ 25°C
Solubility in water..... Dilutable
Coefficient water/oil dist..... N/A

Fire Data

Flammability..... No
If yes, under which conditions..... N/A
Means of extinguishing N/A
Special procedures N/A
Flash point \ (C) method COC \ 288°C
Auto ignition temperature..... N/A
T.D.G. flam. Class..... N/A
Upper explosion limit N/A
Lower explosion limit N/A
Hazardous combustion products N/A

Explosion Data

Sensitivity to Static..... None
Discharge..... None
Sensitivity to impact..... None

Reactivity Data

Chemical stability:
Yes/No..... Yes
If no, which conditions..... N/A
Incompatibility with other substances:
Yes/No..... No
If yes, which ones..... N/A
Reactivity:Natural decomposition occurs
over a very long time frame
(>60% biodegradation 28 days,
per OECD 301D Closed Bottle
Test)
Hazardous products of decompositionNone known or likely

Toxicological Properties

Route of Entry:
Skin Contact..... Yes
Skin Absorption..... No
Eye Contact..... Yes
Inhalation..... Yes
Ingestion..... Yes
Effects of Acute Exposure:
Inhalation.....None established
Eye contact.....Slight or no irritation
Skin contact.....None known
Ingestion.....None established
Effects of chronic exposure.....None established
LD 50 of material. species & route.....Non-lethal to aquatic organisms:
Daphnia magna, Rainbow
trout.
Exposure limit of material.....None established
Irritancy of material..... None established
Sensitizing capability of material.....None established; sensitization to rosin
derivatives in susceptible individuals after
repeated or prolonged skin contact has
been reported; while such sensitivity is
not known to occur with this emulsified
product, precautions such as use of
protective gloves is recommended.
Carcinogenicity of material..... Non-carcinogenic
Reproductive effects..... None established
Synergistic materials..... None established

Employee Protection

Protective Equipment:
Gloves / typeRubber or other materials which are
impervious to the product.
Respiratory / typeLocal ventilation/masks
Eye type.....Safety goggles
Footwear / type.....Safety wear
Clothing / type.....Regular

Other / typeNone
Engineering controlsVentilate adequately

Environmental Protection: Leaks, Spills

Clean-up proceduresSmall spills - wipe up, clean with water.
Leak/SpillDike and contain spill. Cover with thin layer of dirt or soil and remove with suitable tool. Transfer to suitable container, dispose of under applicable legislation and regulations. In the event of uncontrolled release of this material, one should determine if the release is reportable under applicable legislation and regulations and report as required.

Environmental Protection Preventative Measures

Waste disposal method and equipment..... In accordance with municipal, provincial, state and federal regulations and legislation.
Handling procedures and equipment..... Handle with protective gloves and store at above. Material is stable storage.
Storage needs..... Store at above freezing and circulate weekly.
Special shipping instructions None

First Aid Measures

Skin Wash thoroughly with soap and water for 10 minutes.
Eyes Flush with cold water for 10 minutes. Seek physician if irritation continues.
Inhalation Move victim to ventilated area. Get medical attention if cough or other symptoms develop. If victim has stopped breathing, perform artificial respiration and seek medical assistance.
Ingestion Rinse mouth with water and have victim drink water to dilute the material in stomach. Obtain medical attention immediately.

Preparation Data for MSDS

Sources: Hazards in the Chemical Lab. 4th ed. Royal Society of Chemistry, and various periodicals.

Disclaimer: The information herein is given in good faith, but no warranty, expressed or implied, is made. Product users should make independent judgements of the suitability of this information to ensure proper use to protect the health and safety of employees, and to ensure environmentally responsible use and disposal.

ENTAC EMULSION PRODUCTS INC.

www.entacemulsions.com

