

Material Safety Data Sheet

Effective Date: 04-MAR-2004  
Product: IMPEL

I. IDENTIFICATION

Chemical Name: Refined Petroleum Distillates  
Chemical Family: Petroleum Hydrocarbon Oil  
Formula: Not applicable, formulated mixture.  
Synonyms: None  
CAS Number: Not applicable, formulated mixture.  
EPA Number: None required

II. PHYSICAL DATA

Boiling Point: Wide range  
Freezing Point: <0 Degrees F.  
Spec Gravity: 0.866 gms/cc  
Vapor Pressure: <0.08 mm/Hg @ 20 Deg. C.  
Vapor Density: 5+ (Air=1)  
Solubility: Miscible  
Volatiles: Nil  
Evaporation: 1000x slower  
Melting Point: Not applicable  
Appearance: Amber liquid with slight odor.

III. INGREDIENTS

Material	CAS Number	Percent	TLV	Hazard
Proprietary blend of Aliphatic Hydrocarbon Oils, Surfactants and Nonionic Emulsifiers		100.00	5 mg/m3	Mild skin & eye irritant.

IV. FIRE AND EXPLOSION HAZARD

Flash Point: >250 Degrees F.  
Autoignition Temp: Not established  
Flammable Limit: Not established  
Extinguishing Media: Carbon dioxide, dry chemical, chemical foam or water fog.  
Special Fire Fight Proc: Wear positive-pressure self-contained breathing apparatus and full protective clothing. Avoid getting water from fire fighting into domestic or irrigation water supplies.  
Fire and Expl Hazard: Containers may rupture violently if overheated. After fire is controlled, do not handle containers until they have returned to ambient temperatures.

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V. HEALTH HAZARD  
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Carcinogen Information: Not listed as a carcinogen.

ACUTE EFFECTS OF OVER EXPOSURE  
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Swallowing: Harmful or fatal if swallowed. Pulmonary aspiration hazard if swallowed and vomiting occurs. Estimated Oral LD50 in rats is > 15 mg/kg.

Skin Absorption: Practically non-toxic if absorbed. Dermal LD50 >2000 mg/kg.

Inhalation: Excessive exposures may cause irritation to the eyes, nose, throat and lungs.

Skin contact: Moderate irritation with skin contact. Removes natural oils and fats from skin with prolonged or repeated contact.

Eye Contact: Contact with the eye may cause mild irritation.

Chronic Effects: Removes natural oils and fats from skin with prolonged or repeated contact.

Other Hazard: None currently known.

EMERGENCY AND FIRST AID PROCEDURES  
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Swallowing: Do not induce vomiting! Do not give liquids! Obtain medical assistance. Small amounts which accidentally enter the mouth should be rinsed out until the taste is gone.

Skin: Wash with soap and water until no odor remains. If redness or swelling develops, obtain medical assistance.

Inhalation: Move to fresh air. If breathing becomes difficult, consult a physician.

Eyes: Flush eyes with water for at least 15 minutes, holding eyelids open. If irritation develops, seek medical attention.

Notes to Physician: In the event of an adverse response, treatment should be directed toward control of the symptoms and the clinical condition of the patient. Pulmonary aspiration hazard if swallowed and/or vomiting occurs - can enter the lungs and cause damage.

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VI. REACTIVITY  
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Stability: Stable

Conditions to Avoid: Use caution if handling or using around heat,



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percentage of saturated hydrocarbons.  
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X. SHIPPING INFORMATION  
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Shipping name: Not regulated by DOT, IATA or IMDG.  
Hazard Class: None  
Identification No: None  
Labels Required: None required  
Placarding: None  
Freight Class: Adjuvant, Spreader or Sticker, Liquid, N.O.I.  
(NMFC Item 4610, Class 60)

Chemical Name  
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Equivalent R.Q.  
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Not applicable  
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Not applicable  
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XI. GENERAL PRODUCT INFORMATION  
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National Fire Protection Association Rating:  
(Rating level: 4-Extreme, 3-High, 2-Moderate, 1-Slight, 0-Minimum)

Health: 1                      Fire: 1                      Reactivity: 0

S.A.R.A. Title III Hazard Classification: (Yes/No)

Immediate (Acute) Health: Y                      Delayed (Chronic) Health: N  
Sudden Release of pressure: N                      Fire: N  
Reactive: N

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