

MATERIAL SAFETY DATA SHEET

HADDON EQUIPMENT & SUPPLIES
8441 MAIN STREET
VANCOUVER, B.C. V5X 3Y2

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Valid: Nov. 2011 - Nov. 2013

PRODUCT NAME: H.D. EMULSIFIER PLUS **CODE: L534**
OTHER NAME: DE550 PLUS
DISTRIBUTED BY:

WHMIS CLASSIFICATION: B3; D2B
TDG CLASSIFICATION: Not Regulated.

HAZARDOUS INGREDIENTS	%WT/WT	CAS NO.	TOXICITY DATA (LD₅₀ & LC₅₀)
Petroleum Distillates	10-30	64742-47-8	LD ₅₀ Oral (rat) > 5 g/kg LD ₅₀ Dermal (rabbit) >3 g/kg
Ethylene Glycol Monobutyl Ether	7-13	111-76-2	LD ₅₀ Oral (rat) 1480 mg/kg LD ₅₀ Dermal (rabbit) 630 mg/kg

PHYSICAL DATA FOR PRODUCT

Physical State: Liquid
Boiling Point: Not Available
Vapour Density: Not Avail.
Freezing Point: Not Available
Solubility in Water: Forms water emulsion.
Appearance & Odour: Clear liquid.

Sp. Gravity: 0.9866 pH: Neutral
Vapour Pressure: Not Avail.
Evaporation Rate: Not Avail.

FIRE AND EXPLOSION DATA FOR PRODUCT

Flash Point (Test Method): Tag closed cup 49°C
Flammable Limits in Air, % by vol. Lower: Not Avail. Upper: Not Avail.
Fire Extinguishing Substances: (X) Water Fog () Foam (X) CO₂ (X) Dry Chem () Other:
Hazardous Combustion Products: Fumes, smoke, carbon monoxide and sulphur oxides in case of incomplete combustion.

Special Firefighting Procedures: Treat as petroleum solvent.

REACTIVITY DATA FOR PRODUCT

Incompatibility: () Water (X) Oxidizing Material () Acid () Base () Other:

Hazardous Decomposition Products: Flammable toxic gases will form at elevated temperatures.

Chemical Stability: Stable.

*N/A - Not applicable.

Product Name: **H.D. EMULSIFIER PLUS (DE550 PLUS)**

HEALTH HAZARD INFORMATION FOR PRODUCT

EMERGENCY and FIRST AID PROCEDURES

Inhalation: Remove to fresh air. Get medical attention if respiratory irritation occurs.

Ingestion: Drink large quantities of water. Get medical attention. Do not induce vomiting.

Eyes: Rinse with plenty of water for 15 minutes. If irritation persists, get medical attention.

Skin: Rinse with water.

EFFECTS OF OVEREXPOSURE (Acute and Chronic)

Inhalation: High concentrations may cause headache, drowsiness, irritation of respiratory tract.

Ingestion: Causes G.I. irritation with vomiting and diarrhea. Aspiration of vomitus causes serious pneumonitis. Glycol ether has a toxic effect on the red blood cells.

Eyes: Causes irritation. Avoid contact with eyes.

Skin: Avoid prolonged contact with skin. De-fatting action on skin can lead to irritation and infection.

PREVENTIVE MEASURES

Steps to be taken upon release or spillage (including neutralizing):

Treat as petroleum solvent. Prevent spills from entering sewers, watercourses or low areas.
Contain spillage with sand or earth. Avoid using combustible material such as sawdust.

Waste disposal method:

Treat as petroleum solvent. Consult an expert on disposal of recovered material.
Ensure compliance with government and local regulations.

Handling and Storage Requirements:

Keep container closed. Store in cool, well ventilated area away from incompatibles.

Ventilation Requirements (Local or General):

Use in ventilated area. Local exhaust ventilation is recommended.

Respiratory Protection:

Where exposure limits may be exceeded, approved approved respirator may be necessary to prevent overexposure by inhalation.

Eye Protection:

Chemical Workers goggles.

Other Protection:

Impervious rubber gloves, overalls and apron should be worn.