



Octoil

Material Safety Data Sheet

Revision Date November 2005

For Chemical Emergency Call Chemtrec 800-424-9300

1. Substance/Company Identification

35 Howard Ave

PRODUCT NAME: **Octoil**
CAS NUMBER: 117-81-7
COMPANY: Inland Vacuum Industries
Churchville NY 14428
(585) 293-3330

2. Composition/ Ingredients

COMPONENT: Di (2-Ethylhexyl) Phthalate
AMOUNT (Vol%): 100-100

3. Hazards Identification

EMERGENCY OVERVIEW-Caution! Poses little or no immediate hazard. Possible Cancer Hazard based on animal data
POTENTIAL HEALTH EFFECTS:
INHALATION: Prolonged or excessive inhalation may cause respiratory tract irritation. LC50(mg/l, mg/m3, ppm) : no data
SKIN: Non irritating to the skin. LD50 (mg/kg) Rabbit 25000
EYES: Mildly irritating to the eyes. Contact with the eye may cause redness, burning, tearing and/or blurred vision.
INGESTION: Ingestion of this material may cause nausea, vomiting and diarrhea. LD50 (g/kg) Rat 30.6

4. First Aid Measures

INHALATION: If symptomatic, move to fresh air. Get medical attention if symptoms persist.
SKIN: Wash affected areas with soap and water. Seek medical attention if symptoms exist. Wash contaminated clothing before reuse. Destroy or thoroughly clean contaminated shoes.
EYES: Any material that contacts the eye should be washed out immediately with water. Get medical attention if symptoms persist.
INGESTION: Get immediate medical attention.

5. Fire Fighting Measures

FLASH POINT: 420 F
METHOD USED: Cleveland Open Cup
EXTINGUISHING MEDIA: Water spray, regular foam, carbon dioxide, dry chemical.
SPECIAL FIREFIGHTING PROCEDURES: Wear approved self-contained breathing apparatus and protective clothing. Use water spray to cool fire-exposed containers.

6. Accidental Release Measures

PROCEDURE TO BE FOLLOWED IN EVENT OF RELEASE: Dike and contain spill with inert material(sand, earth, etc.) and transfer liquid and solid diking material to separate containers for recovery or disposal. Wash floor area with water and soap. Remove contaminated clothing and wash before reuse. Wash affected skin areas with soap and water. Keep spill out of all sewers and open bodies of water.

7. Handling and Storage

HANDLING: Follow all MSDS/label precautions even after container is emptied because it may retain product residue.

STORAGE: Keep from contact with oxidizing materials. Containers should be kept tightly closed and stored in a dry well-ventilated place.

8. Exposure Controls/Personal Protection

EXPOSURE LIMITS: ACGIH TLV - 5mg/m³

ENGINEERING CONTROLS: Local exhaust ventilation may be necessary to control any air contaminants to within their TLVs during the use of this product. General dilution ventilation may assist with the reduction of air contaminant concentrations.

Eye Protection: Splash proof chemical goggles or full face shield

recommended

to protect against splash of product.

Hand Protection: The gloves listed below may provide protection against permeation. Natural rubber, neoprene, polyvinyl chloride (PVC)

Respiratory Protection: Half-mask air purifying respirator with combination organic vapor and HEPA filter cartridges is acceptable for exposures to ten

(10)

times the exposure limit. Full face air purifying respirator with combination organic vapor and HEPA filter cartridges is acceptable for exposures to fifty (50) times the exposure limit. Use only NIOSH certified respiratory

equipment.

9. Physical & Chemical Properties

PHYSICAL STATE: Liquid

VAPOR PRESSURE @392F < 1.2 mm Hg

BOILING POINT: 446F @ 1 mm Hg

WT % VOLATILES: Negligible

SPECIFIC GRAVITY: 0.983 @ 77F

SOLUBILITY IN WATER: Negligible

APPEARANCE: Colorless liquid with a faint odor.

10. Stability & Reactivity

STABILITY: Material is stable under normal conditions

INCOMPATIBILITY (MATERIALS TO AVOID): Strong oxidizers, Alkaline materials, inorganic nitrites, organo-nitro compounds, nitrites or nitrates .

HAZARDOUS DECOMPOSITION PRODUCTS: Combustion may produce carbon monoxide, carbon dioxide and other asphyxiants. Organic acids

HAZARDOUS POLYMERIZATION: will not occur

11. Ecological Information

Aquatic Fate: Di(2-ethylhexyl) phthalate (DEHP) released to water systems will biodegrade fairly rapidly (half-life 2-3 weeks) following a period of acclimation. It will also strongly adsorb to sediments (log K_{oc} 4 to 5).

Phthalate esters are degraded by microbiota and metabolized by fish and animals; they are not expected to biomagnify. Atmospheric Fate: Di (2-

ethylhexyl) phthalate (DEHP) released to air can be carried for long distances in the troposphere. Washout by rain appears to be a significant removal process. It is unknown whether direct photolysis or photo oxidation are important atmospheric degradation processes. Terrestrial Fate: Di(2-

ethylhexyl)

phthalate (DEHP) released to soil will neither evaporate nor leach into groundwater. Limited data are available to suggest that it may biodegrade in soil under aerobic conditions following acclimatization.

12. Disposal Considerations

This material is a RCRA hazardous waste. Follow federal, state and local regulations. Contract to authorized disposal service.

13. Transport Classification

<u>Governing Body</u>	<u>Mode</u>	<u>Proper Shipping Name</u>		
DOT	Ground	Environmentally hazardous substance, liquid, n.o.s. (bis(2-ethylhexyl)phthalate)		
<u>Governing Body</u>	<u>Mode</u>	<u>Hazard Class</u>	<u>UN/NA No.</u>	<u>Label</u>
DOT	Ground	9(misc. dangerous goods)	3082	N/A*

*when shipped in a 5 gallon or smaller container.

15. Regulatory Information

<u>Regulatory List</u>	<u>Component</u>	<u>CAS No.</u>
ACGIH 2000 – Time Weighted Averages	PX138 Di Octyl Phthalate	
CAA – 1990 Hazardous Air Pollutants	PX138 Di Octyl Phthalate	
California – Prop. 65- Cancer List	PX138 Di Octyl Phthalate	
Canada – WHMIS: Ingredient Disclosure	PX138 Di Octyl Phthalate	
CERCLA/SARA – Haz Substances and their RQs	PX138 Di Octyl Phthalate	
CERCLA/SARA – Section 313 – Emission Reporting	PX138 Di Octyl Phthalate	
Inventory – Canada – Domestic Substance List	PX138 Di Octyl Phthalate	
Inventory – European EINECS Inventory	PX138 Di Octyl Phthalate	
Inventory – Korea – Existing and Evaluated	PX138 Di Octyl Phthalate	
Inventory – TSCA – Sect 8(b) Inventory	PX138 Di Octyl Phthalate	
Massachusetts Right to Know List	PX138 Di Octyl Phthalate	
New Jersey – Department of Health RTK List	PX138 Di Octyl Phthalate	
New Jersey – Special Hazardous Substances	PX138 Di Octyl Phthalate	
NJ Environmental Hazardous Substances List	PX138 Di Octyl Phthalate	
Pennsylvania Right to Know List	PX138 Di Octyl Phthalate	
TSCA – Sect. 12(b) – Export Notification	PX138 Di Octyl Phthalate	
ACGIH 2000 – Carcinogens	Di (2-ethylhexyl) Phthalate	117-81-7
ACGIH 2000 – Time Weighted Averages	Di (2-ethylhexyl) Phthalate	117-81-7
CAA – 1990 Hazardous Air Pollutants	Di (2-ethylhexyl) Phthalate	117-81-7
California – Prop. 65 – Cancer List	Di (2-ethylhexyl) Phthalate	117-81-7
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Inventory – TSCA – Sect. 8(b) Inventory	Di (2-ethylhexyl) Phthalate	117-81-7
Massachusetts Right To Know List	Di (2-ethylhexyl) Phthalate	117-81-7
New Jersey – Department of Health RTK list	Di (2-ethylhexyl) Phthalate	117-81-7
New Jersey – Special Hazardous Substance	Di (2-ethylhexyl) Phthalate	117-81-7
NJ Environmental Hazardous Substance List	Di (2-ethylhexyl) Phthalate	117-81-7
NTP Ninth Report – Suspect Carcinogens	Di (2-ethylhexyl) Phthalate	117-81-7
Pennsylvania Right to Know List	Di (2-ethylhexyl) Phthalate	117-81-7
TSCA – Sect. 12(b) - Export Notification	Di (2-ethylhexyl) Phthalate	117-81-7

16. Other Information

NFPA RATING

FLAMMABILITY	1
HEALTH HAZARD	1
REACTIVITY	0