

Material Safety Data Sheet

SECTION I CHEMICAL and COMPANY IDENTIFICATION

PRODUCT: ***DIDP***
CHEMICAL NAME: *Di-isodecyl phthalate*
COMMON/GENERIC NAME: None
CHEMICAL FAMILY: *Esters*
MANUFACTURER: HB Chemical Corp. - Customer Service 330-920-8023
EMERGENCY NUMBERS: *CHEMTREC 800-424-9300*
CANUTEC(Canada) 613-996-6666

SECTION II COMPOSITION / INGREDIENT INFORMATION

	<u>OSHA PEL</u>	<u>ACGIH TLV</u>
COMPOSITION: Diisodecyl phthalate : >99%	5 mg/m ³	None
C.A.S.# 68515-49-1		established

SECTION III/IV HAZARDS / FIRST AID PROCEDURES

EMERGENCY OVERVIEW: A clear colorless, oily liquid, which may be mildly irritating to eyes and skin. Ingestion and prolonged contact should be avoided.

EYE: Exposure to liquid or mist may produce a mild irritation. Flush eyes with water for 15 min. Call a physician if irritation develops.

SKIN: Excessive contact may produce mild irritation, sensitization or allergic dermatitis. Wash skin with soap and water. If in contact with hot product, treat as a burn.

INGESTION: May cause nausea, vomiting or diarrhea. Give 1-2 large glasses of water or milk. Induce vomiting by touching finger to back of throat. Never give anything by mouth to unconscious person. Seek medical attention.

INHALATION: Remove to fresh air; give artificial respiration or oxygen if necessary.

TOXICITY: No significant adverse effects expected. Individuals with chronic respiratory disorders may be adversely affected by any fume or airborne particulate matter exposure. Persons with preexisting skin disorders may be more susceptible to the effects of this material. Not considered toxic/hazardous.

CARCINOGENICITY: Not listed by NTP, IARC or OSHA

OTHER COMMENTS: The dietary administration of DIDP to rats has been demonstrated to produce hepatomegaly, proliferation of hepatic peroxisomes and alteration in serum triglyceride and cholesterol levels (British Industrial Biological Research Assoc. Confidential Report (No. 0495/5/85) TO THE chemical Manufacturers Association, June, 1985). DIDP tested on Bacillus subtilis & E. coli for repair and an E. coli and Salmonella typhimurium for mutation gave negative results (Env. Health Perspective 17:203, 1976). Laboratory animal studies have shown that DIDP may cause adverse reproductive effects at high doses (Environ. Res. 9:1, 1975).

IN ALL CASES OF EMERGENCY, CONTACT A PHYSICIAN

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SECTION V FIRE AND EXPLOSION INFORMATION

FLASH POINT 232°C (450°F) COC

FIRE-FIGHTING PROCEDURES: Use Chemical foam, CO₂, Dry Chemical, water fog. Treat as burning oil.

Keep drums as cool as possible to avoid expansion, explosions, and splattering.

HAZARDOUS COMBUSTION PRODUCTS: This product will decompose under extreme temperatures forming oxides of carbon.

PROTECTIVE EQUIPMENT: Full eye protection and protective clothing are required for all indoor/outdoor fires and spills.

SECTION VI SPILLS AND ENVIRONMENTAL INFORMATION

SPILL OR LEAK PRECAUTIONS: Wear appropriate protective clothing, gloves and equipment. Contain spill with inert absorbent or earth. Transfer to secure containers and dispose of according to local and state regulations. Thought should always be given to collecting the material in such a manner that it could be recycled.

Clean/scrub affected area with detergent. Prevent run-off into sewers or natural waterways. Spills in excess of the RQ must be reported to the local emergency response organizations. Major spills should also be reported to the National Response Center. Spills with potential to contaminate coastal waterways must be reported to the U.S. Coast Guard (800-424-8802)

WASTE DISPOSAL: All containers should be effectively labeled to facilitate the appropriate disposal or reclaim.

SECTION VII HANDLING AND STORAGE

Store in sealed containers in dry, ambient temperature conditions. Perform drum and tote filling in well-ventilated area wearing protective eye shields and clothing.

SECTION VIII EXPOSURE CONTROLS AND PERSONAL PROTECTION

VENTILATION: Use only where sufficient ventilation exists to keep exposure levels of fumes and dust below recommended levels.

RESPIRATORY AND PERSONAL PROTECTION: Respirators should be selected when TWA exceeded. Avoid hot vapors when mixing or packaging. Safety glasses with side shields; gloves, boots and apron as appropriate.

FACILITIES: There should be a shower facility and eyewash in the building where this product is being stored and handled. Exercise good chemical handling practice.

SECTION IX PHYSICAL AND CHEMICAL INFORMATION

Appearance: Clear, oily liquid, mild ester odor

Specific Gravity @25°C = 0.966

Vapor Pressure: 0.06 mm Hg @ 200°C (392°F)

Evaporation Rate: < 1 (butyl acetate=1)

Boiling Point: 260°C (500°F)

Solubility in Water: <0.1%

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SECTION X

STABILITY AND REACTIVITY

Under normal storage conditions, this product a) is stable; b) will not polymerize or exotherm; c) should be kept away from extreme heat, strong oxidizers and bases; d) this product decomposes under high temperature and hydrolyses in humid conditions.

SECTION XI

TOXICOLOGICAL INFORMATION

Oral LD50: >60 g/kg – rats

Dermal LD50: No Data Found

SECTION XII

ECOLOGICAL INFORMATION

ENVIRONMENTAL DATA: No information available.

SECTION XIII

DISPOSAL CONSIDERATIONS

Empty containers can be rinsed with a suitable solvent/surfactant and steamed to remove residual product and fumes before disposal or reuse in accordance with applicable regulations. For spill clean-up procedures see Sect. VI.

SECTION XIV

TRANSPORTATION INFORMATION

DOT: Not restricted. Use a standard commercial label.

CANADA TRANSPORT HAZ.GOODS: Not restricted.

AIR (IATA/ICAO): Not restricted. Use commercial label showing chemical name.

EUROPEAN TRANSPORTATION: ADR/RID HAZ. CLASS.: Not regulated.

US CUSTOMS: - HARMONIZED TARIFF CODE: 2917.33.00.10

SECTION XV

REGULATORY INFORMATION

SARA TITLE III: - 311/312 CATEGORIES: Not listed.

“ “ - 313 Reportable ingredients: None

CERCLA RQ: Not applicable.

TSCA REGULATORY: All intentional ingredients are listed in the TSCA Inventory.

CANADA WHMIS HAZARD SYMBOL AND CLASS: Not Regulated

CANADA INGREDIENT DISCLOSURE LIST: Does not contain any ingredients on the IDL. All intentional ingredients are on the DSL.

SECTION XVI OTHER INFORMATION

HMIS Label: Fire: 1
Health: 1
Reactivity: 0
Protection: C

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Prepared: January 2008

The information presented herein, while not guaranteed, was prepared by technically knowledgeable personnel and to the best of our knowledge is true and accurate. It is not intended to be all inclusive and the manner and conditions of use and handling may involve other or additional considerations.

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