

Material Safety Data Sheet

SECTION I CHEMICAL and COMPANY IDENTIFICATION

PRODUCT: 4208
CHEMICAL NAME: dibutoxyethyl phthalate
COMMON/GENERIC NAME: DBEP
CHEMICAL FAMILY: Ester
MANUFACTURER: MERRAND INTERNATIONAL 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: Dibutoxyethyl Phthalate 100%	None	None
C.A.S.# 117-83-9	established	established

SECTION III/IV HAZARDS / FIRST AID PROCEDURES

EMERGENCY OVERVIEW: A clear colorless, oily liquid, which may cause allergic skin and respiratory reactions. Causes eye and skin irritation. Ingestion and prolonged contact should be avoided.
EYE: Flush eyes with water for 15 min. Call a physician if irritation develops.
SKIN: Prolonged or repeated skin contact may cause irritation. Remove contaminated clothing and wash skin with soap and water. If in contact with hot product, treat as a burn.
INGESTION: Can cause nausea, vomiting, pain and general upset stomach conditions (e.g., 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: Can be irritating to the eyes, nose and respiratory tract following prolonged exposure. Remove to fresh air; give artificial respiration or oxygen if necessary.
TOXICITY: No significant adverse effects expected. Not considered toxic/hazardous.
CARCINOGENICITY: Not listed by NTP, IARC or OSHA

IN ALL CASES OF EMERGENCY, CONTACT A PHYSICIAN

SECTION V FIRE AND EXPLOSION INFORMATION

FLASH POINT 208°C (406°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.

ENVIRONMENTAL INFORMATION

SPILL OR LEAK PRECAUTIONS: Wear appropriate protective clothing, gloves and equipment. Eliminate all sources of ignition. 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 (less than 110°F). 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
Specific Gravity @25°C = 1.06
Vapor Pressure: ND
Viscosity cPs (25°C) = 50

Evaporation Rate: < 1 (butyl acetate=1)
Boiling Point: >250°C (>482°F)
Refractive Index 25°C: 1.4860
Solubility in Water: <0.2%

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

Not Determined

SECTION XII ECOLOGICAL INFORMATION

ENVIRONMENTAL DATA: No information available.

GENERAL CONSIDERATIONS

Incineration by a permitted hazardous waste facility in accordance with all regulatory requirements is the preferred method of disposal. 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. Label: Product trade name with chemical description.
CANADA TRANSPORT HAZ.GOODS: Not restricted.
AIR (IATA/ICAO): Not restricted. Label: Product trade name with chemical description.
EUROPEAN TRANSPORTATION: ADR/RID HAZ. CLASS: Not regulated.
US CUSTOMS: - HARMONIZED TARIFF CODE: 2917.34.00.00

SECTION XV REGULATORY INFORMATION

OSHA: Not Determined
SARA TITLE III: - 311/312 CATEGORIES: Not listed.
“ “ - 313 Reportable ingredients: None
CERCLA RQ: Not applicable.
RCRA Status:
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: Health: 1
Fire: 1
Reactivity: 0
Protection: C

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.