



ARIHANT CHEMICAL CORPORATION & J.J ENTERPRISE

**For paints / inks / plastic / Rubber industries Raw material available with us under self import /
Manufacturing / Trading.**

MATERIAL SAFETY DATA SHEET :- DOP

SECTION 1: - Hazards Identification

POSSIBLE CANCER HAZARD - MAY CAUSE CANCER BASED ON ANIMAL DATA. CAN CAUSE ADVERSE REPRODUCTIVE EFFECTS - SUCH AS BIRTH DEFECTS, MISCARRIAGES, OR INFERTILITY. Health =1,Flammability=1, Chem. Reactivity = 0

SECTION 2:- Composition / Information on Ingredients

Molecular formula: - C₂₄H₃₈O₄

UN NO. :- 3082

EINECS NO. :- 204-211-0

Chemical name:- bis(2-ethylhexyl) Phthalate, Concentration =100%

CAS NO: - 117-81-7

SECTION 3:- First aid Measures

3.1 Description of first aid measures

Inhalation: - Move to fresh air. Treat symptomatically. Get medical attention.

Eye contact:- Any material that contacts the eye should be washed out immediately with water. If easy to do, remove contact lenses. Get medical attention if symptoms persist. Skin contact:- Wash with soap and water. Get medical attention if symptoms occur. Ingestion:-Seek medical advice.

3.2 Most important symptoms and effects, both acute and delayed:- Symptoms may be delayed.

3.3 Indication of any immediate medical attention and special treatment needed Hazards:-None known.

SECTION 4:- Fire Fighting Measures

4.1 Extinguishing media Suitable extinguishing media:- Water spray. Dry chemical. Carbon Dioxide. Foam.
Unsuitable extinguishing media:-None knew.

4.2 Special hazards arising from the substance or mixture:- None known.

4.3 Advice for firefighters Special fire fighting procedures:-None known.Special protective equipment for fire-fighters:-Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

SECTION 5:- Accidental Release Measures

5.1 Personal precautions,protective equipment and emergency procedures:-Wear appropriate personal protective equipment.

5.2 Environmental precautions:- Avoid release to the environment.

5.3 Methods and material for containment and cleaning up:- Absorb spill with vermiculite or other inert material, then place in a container for chemical waste. Large Spillages: Flush spill area with water spray.Prevent runoff from entering drains, sewers, or streams. Dike for later disposal.

Notification Procedures:- In the event of a spill or accidental release, notify relevant authorities in accordance with all applicable regulations.

SECTION 6:- Handling and Storage

6.1 Precautions for safe handling:-Do not taste or swallow. Wash thoroughly after handling.

6.2 Conditions for safe storage, including any incompatibilities:- Keep container closed. Keep away from food, drink and animal feeding stuffs.

6.3 Specific end use(s):-Plasticizer

SECTION 7:- Exposure Control / Personal Protection

7.1 Control parameters

Occupational exposure limits:-Country specific exposure limits have not been established or are not applicable unless listed below.

Chemical name	Type	Exposure Limit values	Source
bis(2-ethylhexyl) phthalate	TWA	5 mg/m ³	US. ACGIH Threshold Limit Values (01 2010)
di-(2-ethylhexyl) phthalate DEHP	PEL	5 mg/m ³	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)

7.2 Exposure controls

Appropriate engineering controls:-Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to unacceptable level.

Individual protection measures, such as personal protective equipment General information:- Eye bath. Washing facilities.

Eye/face protection:- It is a good industrial hygiene practice to minimize eye contact.

Skin protection & Hand protection:- It is a good industrial hygiene practice to minimize eye contact.

Other:-No data available.

Respiratory Protection:-If engineering controls do not maintain airborne concentrations below recommended exposure limits (where applicable) or to an acceptable level (in countries where exposure limits have not been established), an approved respirator must be worn. In the United States of America, if respirators are used, a program should be instituted to assure compliance with OSHA Standard 63 FR 1152, January 8, 1998. Respirator type: Air- purifying respirator with an appropriate, government approved (where applicable), air-purifying filter, cartridge or canister. Contact health and safety professional or manufacturer for specific information. Hygiene measures:-Observe good industrial hygiene practices.

SECTION 8:- Physical and Chemical Properties

Physical State: - Liquid

Color: -Colourless Liquid

Odor:-Slight characteristic

Freezing Point:- -50 °C

Boiling Point:- 384 °C

Flash Point:-216 °C (Cleveland open cup)

Specific Gravity:-0.983 - 0986(20 °C).

Decomposition Temperature:- > 393 °C

TDS: - 50 – 100 PPM

Solubility in water: - Insoluble (0.10gm/ litre)

Danger of explosion: - Product is not explosive

Aquatic invertebrates:-
bis(2-ethylhexyl) phthalate
NOEC: (Water Flea, 96
h): > 0.16 mg/l (limit of
solubility in fresh water)

SECTION 9:- Stability and Reactivity

- 9.1 Reactivity:-None known.
9.2 Chemical stability:-Stable
9.3 Possibility of hazardous reactions:-None known.
9.4 Conditions to avoid:-None at ambient temperatures.
9.5 Incompatible materials:-Strong oxidizing agents.
9.6 Hazardous decomposition products:-Carbon Dioxide.Carbon Monoxide.

SECTION 10:- Toxicological Information

Information on likely routes of exposure:-Inhalation, Ingestion, Skin contact & Eye contact:- None known.
Acute Oral LD-50:- (Rat): > 5,000 mg/kg
Acute Dermal LD-50:- (Rabbit): 19,800 mg/kg
Carcinogenicity:- IARC Group 2B NTP reasonably anticipated carcinogen

SECTION 11:- Ecological Information's

Acute toxicity –Fish:-
bis(2-ethylhexyl) phthalate
0.67 mg/l (limit of solubility in fresh water)

LC-50 (Fathead Minnow, 96 h): >
NOEC: (Fathead Minnow, 96 h): >
0.67 mg/l (limit of solubility in fresh
water)
LC-50 (Rainbow Trout, 96 h): > 0.32
mg/l (limit of solubility in fresh
water)
NOEC: (Rainbow Trout, 96 h): >
0.32 mg/l (limit of solubility in fresh
water)
LC-50 (Sheep head Minnow, 96 h): >
0.17 mg/l (limit of solubility in fresh
water)

SECTION 12:- Disposal Considerations

Disposal methods:-Dispose of waste and residues in accordance with local authority requirements. Incinerate.
Since emptied containers retain product residue, follow label warnings even after container is emptied.

SECTION 13:- Transport Information's

DOT

Class 9, Packing Group III when material is shipped in quantities in one package at or above the Reportable Quantity and when no other hazard class applies; otherwise, not regulated. Reportable Quantity: 45.4 kg (bis(2-ethylhexyl) phthalate Possible Shipping Description(s):

UN 3082 Environmentally hazardous substances, liquid, n.o.s. (bis(2-ethylhexyl) phthalate) 9, packing group III

SECTION 14:- Regulatory Information's

Regulations.

WHMIS (Canada) Status: controlled, WHMIS (Canada) Hazard Classification: D/2/A

SARA 311-312 Hazard Classification(s):-immediate (acute) health hazard, delayed (chronic) health hazard US EPCRA (SARA Title III) Section 313 - Toxic Chemical List-DI(2-ETHYLHEXYL) PHTHALATE OSHA:- hazardous

TSCA (US Toxic Substances Control Act):- This product is listed on the TSCA inventory. Any impurities present in this product are exempt from listing.

DSL (Canadian Domestic Substances List) and CEPA (Canadian Environmental Protection Act): This product is listed on the DSL. Any impurities present in this product are exempt from listing.

AICS / NICNAS (Australian Inventory of Chemical Substances and National Industrial Chemicals Notification and Assessment Scheme):- This product is listed on AICS or otherwise complies with NICNAS. MITI (Japanese Handbook of Existing and New Chemical Substances): This product is listed in the Handbook or has been approved in Japan by new substance notification.

SECTION 15:- Other Information's

Disclaimer:-

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid or such material used in combination with any other materials or in any process, unless specified in the Text.

**Regd off: - Plot no 24 Block no .5, 1st floor, behind Aurora Cinema,
Opp Sahakari bhandar, Matunga (C.R) Mumbai – 400019**

**Administration / Correspondence Office: - Plot No. 319, Room No.3, Ranchoddas Terrace building, sir
Bhalchandra Road, opp Hira House, Near Chhatre Maternity Hospital, Matunga (C.R) Mumbai – 400019
Tel: - +91 22 24148378 / 24146390**

Mob: - MR NILESH MEHTA +91 9820142066 / +91 8850378208/+91 9029042066

Email Id: - info@arihantchemcorp.com, or nilesh@arihantchemcorp.com