

 **MATERIAL SAFETY DATA SHEET**

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PRODUCT: DI ISO BUTYL PHTHALATE

PRODUCT NAME: Di-isobutyl Phthalate
OTHER NAMES: DIBP

UN NUMBER: None assigned
HAZCHEM CODE: None assigned
PACKAGING GROUP: None assigned
USES: Solvent, plasticiser

DANGEROUS GOODS
CLASS & SUB RISK: Not classified
POISONS SCHEDULE: Not scheduled

STATEMENT OF HAZARDOUS NATURE:

Not classified as hazardous according to criteria of Worksafe Australia.

PHYSICAL DESCRIPTION/PROPERTIES

APPEARANCE/ODOUR: Colourless liquid / mild aromatic odour
BOILING POINT: 327°C
FREEZING POINT: - 64°C
FLASHPOINT (°C): 162°C closed cup
FLAMMABILITY LIMITS (% vol in air): LEL / UEL - not available
VAPOUR PRESSURE: 0.1mmHg/°C at 100°C
SOLUBILITY IN WATER: negligible
DENSITY: 1.04g/cm³ at 20°C
VAPOUR DENSITY (at 1 atmos.): 9.6 (air = 1)
VISCOSITY: 39 cP at 20°C

OTHER PROPERTIES: Soluble in most organic solvents

INGREDIENTS:

CHEMICAL ENTITY	CAS No.	PROPORTION
Di-iso-butyl phthalate	84-69-5	100%

1. HEALTH HAZARD INFORMATION**Health Effects:**

Swallowed: Symptoms, which may become apparent later, include nausea, vomiting and dizziness. Further symptoms are headache, irritation of the eyes, lacerations, conjunctivitis and photophobia.

Eyes: May cause serious irritation, conjunctivitis and copious lacrimation.

Skin: Material may cause slight irritation on prolonged or repeated contact.

Inhaled: If heated vapours or mist may irritate the nose, throat and upper respiratory tract.

2. FIRST AID MEASURES

Swallowed: Seek immediate medical attention. Give water to drink and encourage vomiting. Do not administer fluids to an unconscious person or if suffering convulsions.

Eyes: Flush liberally with water holding eyelids open. If irritation persists seek medical attention.

Skin: Remove contaminated clothing. Wash with soap and water. If irritation persists seek medical attention.

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Inhaled: Remove to fresh air. If breathing is difficult or has stopped, carry out artificial respiration or administer oxygen. Keep the person warm and seek immediate medical attention.

First aid facilities: Eye bath recommended to be close at hand.

Advice to doctor: Treat symptomatically.

3. PRECAUTIONS FOR USE

Exposure standards: Not established.

Engineering controls: Ventilate enclosed areas to minimise airborne levels.

Personal protection: Eyes: Safety glasses
Hands/skin: Gloves (eg. butyl rubber, Viton)

Flammability: Flash point 162°C (Closed Cup) Combustible liquid with a moderate risk of fire when exposed to heat or flame.

4. SAFE HANDLING INFORMATION

Storage & Transport: Store in closed containers in a dry and cool place. Handling of bulk quantities must be carried out in a bunded area. Adequate ventilation should be provided particularly when working at elevated temperatures. Prevent the accumulation of static charges.

Stability & Reactivity: Chemically stable. Materials to avoid:- Strong oxidising agents.

Spills: Remove all sources of ignition. All spillages should be contained with sand, earth or other inert material and scrapped up. Do not allow the material to enter surface water drains. If this should occur inform the local authorities immediately. Collect the material in a closed container or salvage tank and remove to a safe place for disposal by burning. Flush contaminated area with plenty of water.

Disposal: Disposal should be carried out in accordance with national and local regulations eg. in an approved incinerator. Consult local authorities for detailed advice. If correctly incinerated this material will decompose to carbon dioxide and water.

Fire/Explosion Hazard: Flash point 162°C (CC)

Fire Fighting Measures:

Extinguishing media: Carbon dioxide, dry chemical, or foam. Water may cause spattering, use water to cool containers exposed to fire.

Protective equipment: Wear self-contained breathing apparatus in a large fire.

Special precautions: Prevent contaminated extinguishing water entering drains, sewers or rivers.

5. OTHER INFORMATION**Toxicological Information:**

Carcinogenesis: No reported evidence of carcinogenicity.

Mutagenesis: No reported evidence of mutagenicity.

Teratogenesis: Oral (rat) TDLO 8400mg/kg

CONTACT POINT:	EMERGENCY No. 0419 341 095 any time
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DISCLAIMER: The information given in this data sheet is based on data supplied by the manufacturer and is, to the best of our knowledge, true and accurate, but any recommendations or suggestions that may be made are without guarantee, since the conditions of use are beyond our control. The information and recommendations offered are for the user's consideration and it is the user's responsibility to satisfy themselves that they are suitable and complete for this particular purpose. We recommend that the safety and handling information presented in this data sheet be passed on, in an appropriate format, to your customers and handlers.