

SECTION 1) CHEMICAL PRODUCT AND SUPPLIER'S IDENTIFICATION

CAS Number: 84-74-2
Product Name: Dibutyl Phthalate
Revision Date: Oct 06, 2021 **Date Printed:** Oct 07, 2021
Version: 1.0 **Supersedes Date:** N.A.
Manufacturer's Name: Thames River Chemical Corp.
Address: 5230 Harvester Road Burlington, ON, CA, L7L 4X4
Emergency Phone: CHEMTREC (800) 424-9300
Information Phone Number: 905-681-5353
Fax: 905-681-5377
Product/Recommended Uses: For laboratory or industrial use only.

SECTION 2) HAZARDS IDENTIFICATION**Classification**

Reproductive Toxicity - Category 1A

Pictograms**Signal Word**

Danger

Hazard Statements - Health

H360 - May damage fertility or the unborn child

Precautionary Statements - General

P101 - If medical advice is needed, have product container or label at hand.

P102 - Keep out of reach of children.

P103 - Read label before use.

Precautionary Statements - Prevention

P201 - Obtain special instructions before use.

P202 - Do not handle until all safety precautions have been read and understood.

P280 - Wear protective gloves/protective clothing/eye protection/face protection.

Precautionary Statements - Response

P308 + P313 - IF exposed or concerned: Get medical advice/attention.

Precautionary Statements - Storage

P405 - Store locked up.

Precautionary Statements - Disposal

P501 - Dispose of contents/container in accordance with local/national/international regulation. Waste management should be in full compliance with national, regional and local laws.

SECTION 3) COMPOSITION/INFORMATION ON INGREDIENTS

CAS	Chemical Name	% By Weight
0000084-74-2	DIBUTYL PHTHALATE	100% - 100%

Specific chemical identity and/or exact percentage (concentration) of the composition has been withheld to protect confidentiality or to reflect batch to batch variation.

SECTION 4) FIRST-AID MEASURES**Inhalation**

Remove to fresh air. If breathing is difficult, administer oxygen. If not breathing, give artificial respiration.

Eye Contact

Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a physician. Remove contact lenses, if present and easy to do. Continue rinsing.

Skin Contact

Immediately wash with soap and water. Get medical attention promptly if irritation develops or persists. Remove contaminated shoes and clothes and clean before reuse.

Ingestion

Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person. If vomiting occurs spontaneously, keep head below hips to prevent aspiration. Get medical advice/attention.

SECTION 5) FIRE-FIGHTING MEASURES**Suitable Extinguishing Media**

Foam, water fog, dry chemical, carbon dioxide

Fire-fighting Procedures

Firefighters should wear self contained breathing apparatus and full protective clothing. Keep unnecessary people away, isolate hazard area and deny entry. Stay upwind; keep out of low areas. Evacuate residents who are downwind of fire.

SECTION 6) ACCIDENTAL RELEASE MEASURES**Methods and Materials for Containment and Cleaning up**

Absorb spill with inert material (e.g. dry sand or earth), then place in a chemical waste container. Avoid runoff into storm sewers and ditches which lead to waterways. Flush spill area with water spray.

SECTION 7) HANDLING AND STORAGE**Storage Room Requirements**

HANDLING: Low hazard for usual industrial handling or commercial handling by trained personnel.
STORAGE: Keep container closed when not in use.

SECTION 8) EXPOSURE CONTROLS/PERSONAL PROTECTION**Eye protection**

Wear safety glasses with side shields or goggles and a full face shield.

Skin Protection

Wear impervious gloves to prevent contact with the skin. Wear long sleeves when contact is likely to occur. Wear protective gear as needed - apron, suit, boots.

Respiratory Protection

NIOSH/MSHA approved respirators may be necessary if airborne concentrations are expected to exceed exposure limits.

Appropriate Engineering Controls

Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Wash thoroughly after handling. Wash hands before eating. Remove contaminated clothing and wash before reuse. Avoid breathing vapors. Do not eat, drink, or smoke in areas where this material is used.

Chemical Name	CAN_ONsmg	CAN_ONtmg	CAN_ONsppm	CAN_ONtppm	CAN_QCVEMP ppm - CANADA_QUE BEC VALEUR D'EXPOSITION MOYENNE PONDÉRÉE_p pm	CAN_QCVEMP mg - CANADA_QUE BEC VALEUR D'EXPOSITION MOYENNE PONDÉRÉE_m g	CAN_QCVECD ppm - CANADA_QUE BEC VALEUR D'EXPOSITION DE COURTE DURÉE_ppm	CAN_QCVECD mg - CANADA_QUE BEC VALEUR D'EXPOSITION DE COURTE DURÉE_mg
DIBUTYL PHTHALATE						5		

Chemical Name	CAN_ALtppm	CAN_ALtmg	CAN_ALsmg	CAN_AL_Notat ion	CAN_AL_Carci nogen	CAN_ALsppm	CANsmg	CANsppm
DIBUTYL PHTHALATE		5					10	

Chemical Name	CANtmg	CANtppm	OSHA STEL (mg/m3)	OSHA STEL (ppm)	OSHA TWA (mg/m3)	OSHA TWA (ppm)	OSHA Carcinogen	OSHA Tables (Z1, Z2, Z3)
DIBUTYL PHTHALATE	5				5			1

Chemical Name	OSHA Skin designation	ACGIH STEL (mg/m3)	ACGIH STEL (ppm)	ACGIH TWA (mg/m3)	ACGIH TWA (ppm)	ACGIH TLV Basis	ACGIH Carcinogen	ACGIH Notations
DIBUTYL PHTHALATE				5		Testicular dam; eye & URT irr		

dam - Damage, irr - Irritation, URT - Upper respiratory tract

SECTION 9) PHYSICAL AND CHEMICAL PROPERTIES

Density 8.72 lb/gal
 Specific Gravity 1.05

Appearance Clear
 Odor Description Typical
 Odor Threshold N.D
 pH N.D
 Melting/Freezing Point N.D
 Low Boiling Point 644.00 °F
 High Boiling Point N/A
 Flash Point 340.00 °F

Vapor Pressure	N.D
Vapor Density	9.60
Evaporation Rate	Negligible
Upper Explosion Level	2.50
Lower Explosion Level	0.50
Water Solubility	Insoluble in water
Coefficient Water/Oil	N/A
Viscosity	N.D

SECTION 10) STABILITY AND REACTIVITY**Stability**

No data available.

Conditions to Avoid

No data available

Hazardous Reactions/Polymerization

No Specific data

Incompatible Materials

Prevent contact with strong oxidizing agents.

Hazardous Decomposition Products

Carbon monoxide & Carbon dioxide

SECTION 11) TOXICOLOGICAL INFORMATION**Likely Route of Exposure**

Eye Contact, Ingestion, Inhalation, Skin Contact

Acute Toxicity

CAS-No.: 84-74-2

Name : 1,2-benzenedicarboxylic acid; dibutyl ester;

Oral LD50, mg/kg : 6300

Dermal LD50, mg/kg : > 2000

Vapor LC50, mg/L : >20

The Acute Toxicity Estimate (ATE) for an oral exposure to this mixture is >5000 mg/kg body weight

The Acute Toxicity Estimate (ATE) for a dermal exposure to this mixture is >5000 mg/kg body weight

The Acute Toxicity Estimate (ATE) for an inhalation (vapour) exposure to this mixture is >20 mg/l

Carcinogenicity

CAS-No.: 84-74-2

Name: 1,2-benzenedicarboxylic acid; dibutyl ester; dibutyl phthalate.

IARC: 3- Not classifiable as to its carcinogenicity to humans.

NTP: Not listed

0000084-74-2 DIBUTYL PHTHALATE

Possible carcinogen as it has been shown to cause cancer of the nose in animals.

Reproductive Toxicity

0000084-74-2 DIBUTYL PHTHALATE

May damage the testes and the developing fetus (teratogenic).

Skin Corrosion/Irritation

0000084-74-2 DIBUTYL PHTHALATE

Can irritate the skin.

Specific Target Organ Toxicity - Repeated Exposure

0000084-74-2 DIBUTYL PHTHALATE

May damage the nervous system, the kidneys, and the testes.

Specific Target Organ Toxicity - Single Exposure

0000084-74-2 DIBUTYL PHTHALATE

May cause dizziness, nausea, headache, and seizures.

Serious Eye Damage/Irritation

0000084-74-2 DIBUTYL PHTHALATE

Can irritate the eyes.

Likely Routes of Exposure

0000084-74-2 DIBUTYL PHTHALATE

Inhalation (aerosol), ingestion.

0000084-74-2 DIBUTYL PHTHALATE

LC50 (mouse): 17680 mg/m3 (4-hour exposure); cited as 25000 mg/m3 (2-hour exposure) (12)

LD50 (oral, rat): 8000 mg/kg (1)

LD50 (oral, mouse): 4840 mg/kg (10, unconfirmed)

SECTION 12) ECOLOGICAL INFORMATION

Toxicity

no data available

Persistence and Degradability

0000084-74-2 DIBUTYL PHTHALATE

Readily biodegradeable.

Bioaccumulative Potential

0000084-74-2 DIBUTYL PHTHALATE

Potential for bioaccumulation is low.

Results of the PBT and vPvB assessment

0000084-74-2 DIBUTYL PHTHALATE

Not a PBT/vPvB substance.

SECTION 13) DISPOSAL CONSIDERATIONS

Waste Disposal

Dispose of waste in accordance with all local, state and federal regulations.

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Absorb spill with inert material (e.g. dry sand or earth), then place in a chemical waste container. Avoid runoff into storm sewers and ditches which lead to waterways. Flush spill area with water spray.

SECTION 14) TRANSPORT INFORMATION

Transport Canada Information

UN Number: UN3082
 UN Proper shipping name: Environmentally hazardous,liquid, N.O.S (dibutyl phthalate)
 Class: 9
 PG: III

U.S. DOT Information

UN Number: UN3082
 UN Proper shipping name: Environmentally hazardous,liquid, N.O.S (dibutyl phthalate)
 Class: 9
 PG: III

IMDG Information

UN Number: UN3082
 UN Proper shipping name: Environmentally hazardous,liquid, N.O.S (dibutyl phthalate)
 Class: 9
 PG: III

IATA Information

UN Number: UN3082
 UN Proper shipping name: Environmentally hazardous,liquid, N.O.S (dibutyl phthalate)
 Class: 9
 PG: III

SECTION 15) REGULATORY INFORMATION

CAS	Chemical Name	% By Weight	Regulation List
0000084-74-2	DIBUTYL PHTHALATE	100% - 100%	DSL,TSCA,REACH_SVHC - REACH_Substances of Very High Concern,CA_Prop65 - California Proposition 65,AICS,CN_IECSC - Inventory of Existing Chemical Substances Produced or Imported in China,EU_EINECS - European_EC_Inventory_EINECS,EU_EC_Inventory - European_EC_Inventory,PH_PICCS - Philippines, The Philippine Inventory of Chemicals and Chemical Substances,KR_KECI - Korean Existing Chemicals Inventory

SECTION 16) OTHER INFORMATION

Glossary

ACGIH - American Conference of Governmental Industrial Hygienists; CAS - Chemical Abstracts Service ; Chemtrec - Chemical Transportation Emergency Center; DSL - Domestic Substances List; ESL- Effects screening levels; GHS - "Globally Harmonized System of Classification and Labelling of Chemicals" developed by the United Nations; HMIS - Hazardous Material Information Service; IATA - Dangerous Goods Regulations (DGR) for the air transport (IATA); IMDG - International Maritime Dangerous Goods Code; LC - Lethal Concentration; LD - Lethal Dose; NFPA - National Fire Protection Association; OEL - Occupational Exposure Limits; OSHA- Occupational



SAFETY DATA SHEET

CAS Number: 84-74-2
Product Description: Dibutyl
Phthalate

Safety and Health Administration, US Department of Labor; PEL - Permissible Exposure Limit; SARA 313 - Superfund Amendments and Reauthorization Act, Section 313; SCBA - Self Contained Breathing Apparatus; ppm - parts per million; STEL - Short-term exposure limit; TLV - Threshold Limit Value; TSCA - Toxic Substances Control Act Public Law 94-469; TWA - Time-weighted average; US DOT- US Department of Transportation.

Version 1.0:

Revision Date: Oct 06, 2021

First Edition.

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