

SYNPLAST DBP DRUM (IMPORT)

Version Number 1.2

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Revision Date 09/04/2002

Print Date 11/6/2011

1. PRODUCT AND COMPANY IDENTIFICATION

POLYONE CORPORATION

33587 Walker Road, Avon Lake, OH 44012

NON-EMERGENCY TELEPHONE : Product Stewardship (770) 271-5902

Emergency telephone number : CHEMTREC 1-800-424-9300 (24hrs for spill, leak, fire, exposure or accident).

Product name : SYNPLAST DBP DRUM (IMPORT)

Product code : Z0DBPNI000

Chemical Name : n-Dibutyl phthalate

CAS-No. : 84-74-2

Product Use : Industrial Applications

2. COMPOSITION/INFORMATION ON HAZARDOUS INGREDIENTS

Components	CAS-No.	Weight %
Dibutyl phthalate	84-74-2	60 - 100

3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

This product has not been evaluated as a whole for health effects. Information provided on the health effects of this product is based on individual componenets. In addition, some vapors or contaminants may be released upon heating and the end-user (fabricator) must take the necessary precautions (mechanical ventilation, respiratory protection, etc.) to protect employees from exposure. See sections 8 and 11 for special precautions.

POTENTIAL HEALTH EFFECTS

Routes of Exposure: : Inhalation, Skin contact, Ingestion

Acute exposure

Inhalation : Inhalation of airborne droplets may cause irritation of the respiratory tract.
 Ingestion : May be harmful if swallowed.
 Eyes : Contact with eyes may cause irritation.
 Skin : Experience shows no unusual dermatitis hazard from routine handling.

Chronic exposure : Refer to Section 11 for Toxicological Information.

Medical Conditions : None known.

Aggravated by Exposure:

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4. FIRST AID MEASURES

- Inhalation : Move to fresh air in case of accidental inhalation of fumes from overheating or combustion. Seek medical attention after significant exposure.
- Ingestion : Do not induce vomiting without medical advice. Seek medical attention if necessary.
- Eyes : Rinse immediately with plenty of water for at least 15 minutes. If eye irritation persists, seek medical attention.
- Skin : Wash off with soap and plenty of water. If skin irritation persists seek medical attention.

5. FIRE-FIGHTING MEASURES

- Flash point : 157 °C
- Flammable Limits
- Upper explosion limit : No data available.
 - Lower explosion limit : 0.5 % (V)
- Autoignition temperature : 402 °C
- Suitable extinguishing media : dry powder, foam, carbon dioxide (CO₂), Water spray can be used to cool fire exposed surfaces..
- Special Fire Fighting Procedures : Fullface self-contained breathing apparatus (SCBA) used in positive pressure mode should be worn to prevent inhalation of airborne contaminants.
- Unusual Fire/Explosion Hazards : None

6. ACCIDENTAL RELEASE MEASURES

- Personal precautions : Wear appropriate personal protection during cleanup, such as impervious gloves, boots and coveralls.
- Environmental precautions : Should not be released into the environment. The product should not be allowed to enter drains, water courses or the soil.
- Methods for cleaning up : Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Package all material in appropriate container for disposal. Refer to Section 13 of this MSDS for proper disposal methods.

7. HANDLING AND STORAGE

- Handling : Heat only in areas with appropriate exhaust ventilation.

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Storage : Keep containers dry and tightly closed to avoid moisture absorption and contamination. Store in a cool dry place.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Respiratory protection : Under normal handling conditions a respirator may not be required.

Eye/Face Protection : Safety glasses with side-shields.

Hand protection : Protective gloves.

Skin and body protection : Long sleeved clothing.

Additional Protective Measures : Safety shoes.

General Hygiene Considerations : Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

Engineering measures : Heat only in areas with appropriate exhaust ventilation. Provide appropriate exhaust ventilation at machinery.

Exposure limit(s)

Components	Value	Exposure time	Exposure type	List:
Dibutyl phthalate	5 mg/m ³	Time Weighted Average (TWA):	Vapor.	ACGIH
Dibutyl phthalate	5 mg/m ³	PEL:	Vapor.	OSHA Z1

9. PHYSICAL AND CHEMICAL PROPERTIES

Form : Liquid

Appearance : Viscous, Liquid

Color : TRANSPARENT

Odor : Very faint

Melting point/range : -35°C(-31°F)

Boiling Point: : 340 °C

Water solubility : 10.0 mg/l

Evaporation rate : Negligible

Specific Gravity : 1.050

Bulk density : Not applicable.

Vapor pressure : 14 mm Hg @ 200 °C

Pour point : 340 °C

Vapor density : 9.58

pH : Not applicable.

10. STABILITY AND REACTIVITY

Stability : Stable.

Hazardous Polymerization : Will not occur.

Conditions to avoid : Keep away from oxidizing agents and open flame.

Incompatible Materials : Incompatible with strong acids and oxidizing agents.

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Hazardous decomposition products : Carbon dioxide (CO₂), carbon monoxide (CO), oxides of nitrogen (NO_x), other hazardous materials, and smoke are all possible.

11. TOXICOLOGICAL INFORMATION

This mixture has not been evaluated as a whole for health effects. Exposure effects listed are based on existing health data for the individual components which comprise the mixture.

Toxicity Overview

This product contains the following components which in their pure form have the following characteristics:

CAS-No.	Chemical Name	Effect	Target Organ
84-74-2	Dibutyl phthalate	Irritant	Eyes, Respiratory system.
		Systemic effects	Eyes, Respiratory system, Liver, Kidney.

LC50 / LD50

This product contains the following components which in their pure form have the following toxicity data:

CAS-No.	Chemical Name	Route	Value	Species
84-74-2	Dibutyl phthalate	LC50	4250 mg/m ³	rat
		Oral LD50	8 gm/kg	rat
		Dermal LD50	> 20 ml/kg	rabbit

12. ECOLOGICAL INFORMATION

Persistence and degradability : Not readily biodegradable.

Environmental Toxicity : Adverse ecological impact is not known or expected under normal use.

Bioaccumulation Potential : Does not bioaccumulate

Additional advice : No data available.

13. DISPOSAL CONSIDERATIONS

Product : Where possible, recycling is preferred to disposal or incineration. The generator of waste material has the responsibility for proper waste classification, transportation and disposal in accordance with applicable federal, state/provincial and local regulations.

Contaminated packaging : Recycling is preferred when possible. The generator of waste material has the responsibility for proper waste classification, transportation and disposal in accordance with applicable federal, state/provincial and local regulations.

14. TRANSPORT INFORMATION

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U.S. DOT Classification : Environmentally hazardous substances, liquid, n.o.s., (Dibutyl phthalate), 9, UN3082, III, RQ [CA TDG NOT REGULATED]

ICAO/IATA : Refer to specific regulation.

IMO / IMDG : Refer to specific regulation.

15. REGULATORY INFORMATION

US Regulations:

OSHA Status : Classified as hazardous based on components.

TSCA Status : All components of this product are listed on the TSCA inventory or are exempt.

US. EPA CERCLA Hazardous Substances (40 CFR 302)

Chemical Name	CAS-No.	% in Product	RQ for component	RQ for Mixture/Product
Dibutyl phthalate	84-74-2		010 lbs	10 LB

California Proposition : This product does not contain a substance listed by California Prop 65.

SARA Title III Section 313 Toxic Chemicals:

Chemical Name	CAS-No.	Weight %
DIBUTYL PHTHALATE	84-74-2	100.00

Canadian Regulations:

WHMIS Classification : D2A

WHMIS Ingredient Disclosure List

CAS-No.
84-74-2

DSL : Listed.

National Inventories:

Australia AICS : Listed.

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China IECS : Listed.

Europe EINECS : Listed.

Japan ENCS : Listed.

Korea KECI : Listed.

Philippines PICCS : Listed.

16. OTHER INFORMATION

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 for such material used in combination with any other materials or in any process, unless specified in the text.