SOLVENT SYSTEMS International, Inc.
Environmental Services

Offer Sheet

Product	DBP (Dibutyl Phthalate)
Quantity	35 x 210 kg net drums
Net weight	16,205 lbs.
Manufacture date	October, 2021
Availability	
Location	Garden City, GA
Date	4/7/25
COA & SDS	Attached below

Dibutyl Phthalate (DBP) has a wide range of industrial applications due to its properties as a plasticizer and solvent. Key uses include:

1. **Plastic Manufacturing**
2. **Paints and Coatings**
3. **Adhesives and Sealants**
4. **Printing Inks**
5. **Synthetic Rubber**
6. **Cosmetics (Regulated Use)**
7. **Perfume Solvent**
8. **Paper Coatings**
9. **Explosives**
10. **Resin Processing**

Brian Svrusis
Solvent Systems International
70 King St.
Elk Grove Village, IL 60007
847-323-6718 call or text
Click here for: Surplus Inventory
Solvent-Systems.com

NEUCHEM
– our word is our bond –

CERTIFICATE OF ANALYSIS

DIBUTYL PHTHALATE

CAS # 84-74-2

VENDOR	CUSTOMER
NEUCHEM INC. PO NO. 6288	

QUANTITY	PACKING	LOT NUMBER	MFR DATE
LBS NET	463 LB NET DRUMS, PALLETIZED	D-6023	10/2021

PROPERTY	SPECIFICATION	ANALYSIS
APPEARANCE	CLEAR	CLEAR
ESTER VALUE, (mg.KOH/gm.)	400 – 406	403.25
WATER IN VOLATILE SOLVENTS, WT%	0.10% MAX	0.094%
ACIDITY (AS PHTHALIC ACID), WT%	0.01% MAX	0.0017%
COLOR HU, APHA	20 MAX	10
SPECIFIC GRAVITY, 27°C	1.043 – 1.046	1.043
REFRACTIVE INDEX, 25°C	1.490 – 1.492	1.491
MOISTURE, WT%	0.10% MAX	0.080%
HEAT STABILITY, 150°C FOR 2 HRS	NO CHANGE	NO CHANGE
ACIDITY AFTER HEAT, %, 180°C FOR 2 HRS	0.030% MAX	0.010%
VISCOSITY, 20°C IN CPS	19 - 23	20.10

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T: 775 499-5858 – ADMIN@NEUCHEM.COM

Safety Data Sheet

Issue Date: 01-Jan-2002 **Revision Date:** 24-Jan-2025 **Version** 4

1. IDENTIFICATION

Product identifier

Product Name Dibutyl phthalate

Other means of identification

SDS # NC-008

UN/ID No UN3082

Other Information TRADE NAME : DBP / KANATOL-400 N.

Recommended use of the chemical and restrictions on use

Recommended use For industrial use.

Details of the supplier of the safety data sheet

Supplier Address

Neuchem Inc.
150 Isidor Court, suite 101-B
Sparks, NV 89441 USA
www.neuchem.com

Emergency telephone number

Company Phone Number Ph: 775-499-5858

Emergency Telephone INFOTRAC 1-352-323-3500 (International)
1-800-535-5053 (North America)

2. HAZARDS IDENTIFICATION

Appearance Clear liquid **Physical state** Liquid **Odor** Characteristic

Classification

Reproductive toxicity	Category 1B

Signal word

Danger

Hazard statements

May damage fertility or the unborn child

Precautionary Statements - Prevention

Obtain special instructions before use
Do not handle until all safety precautions have been read and understood
Wear protective gloves/clothing and eye/face protection

Precautionary Statements - Response
IF exposed or concerned: Get medical advice/attention

Precautionary Statements - Storage
Store locked up

Precautionary Statements - Disposal
Dispose of contents/container to an approved waste disposal plant

Other hazards
Very toxic to aquatic life with long lasting effects

3. COMPOSITION/INFORMATION ON INGREDIENTS

Formula C6H4(CO2C4H9)2

Chemical name	CAS No.	Weight-%
Dibutyl phthalate	84-74-2	99-100

If Chemical Name/CAS No is "proprietary" and/or Weight-% is listed as a range, the specific chemical identity and/or percentage of composition has been withheld as a trade secret.

4. FIRST AID MEASURES

Description of first aid measures

General Advice Provide this SDS to medical personnel for treatment.

Eye Contact Immediately flush eyes with plenty of water for at least 15 minutes, lifting upper and lower eyelids occasionally. Get medical attention if irritation persists.

Skin Contact Wash exposed area with soap and water. Get medical advice if irritation develops.

Inhalation Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

Ingestion Induce vomiting immediately as directed by medical personnel. Never give anything by mouth to an unconscious person. Get medical attention.

Most important symptoms and effects, both acute and delayed

Symptoms Inhalation: Inhalation of vapors or mists is not expected unless this material is heated or misted. If inhaled, material may cause irritation to respiratory tract.

Ingestion: Causes irritation to the gastrointestinal tract. Symptoms may include nausea, vomiting and diarrhea. Accidental ingestion of 10g (ca. 40 mg/kg) in one person produced nausea and vomiting, dizziness, light sensitivity, swelling of the eyelids, watering of the eyes, and kidney effects (red and white blood cells and oxalate crystals in the urine).

Skin Contact: Irritation and contact burns are possible, but do not occur frequently. Allergic dermatitis has been reported after using antiperspirants and contact with plastics containing dibutyl phthalate (such as a watchband).

Eye Contact: Vapor or mist causes eye irritation. Splashes cause severe irritation with stinging pain and tears.

Indication of any immediate medical attention and special treatment needed

Notes to Physician In case of inhalation: oxygen therapy and induced respiration, if necessary. Symptomatic treatment. Ingestion: aspiration with nasogastric probe, with care, to not induce vomits. Mixture of activated carbon can be beneficial. Add 50 g. of activated carbon in 400 ml of water and mix well. Administer 5ml/kg, or 350 ml to an average adult. If occur irritation in respiratory tract, monitor pulmonary function and provide X-Ray. Control respiratory and cardiovascular functions. There is no specific antidote.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media
Dry chemical or CO2.

Unsuitable Extinguishing Media Water or foam may cause frothing.

Specific Hazards Arising from the Chemical
Slight fire hazard when exposed to heat or flame. Lower explosive limit was measured at 235C (456F). Above flash point, vapor-air mixtures are explosive within flammable limits noted above.

Protective equipment and precautions for firefighters
As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear. Apply cooling water to sides of containers that are exposed to flames until well after fire is out.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal Precautions Wear protective clothing as described in Section 8 of this safety data sheet. Remove all sources of ignition. Ventilate area of leak or spill.

Environmental precautions

Environmental precautions Do not allow into any sewer, on the ground or into any body of water. See Section 12 for additional Ecological Information.

Methods and material for containment and cleaning up

Methods for Containment Prevent further leakage or spillage if safe to do so. Do not use combustible materials, such as sawdust. Collect liquid in an appropriate container or absorb with an inert material (e. g., vermiculite, dry sand, earth).

Methods for Clean-Up Sweep up absorbed material and shovel into suitable containers for disposal. Discard any product, residue, disposable container or liner in full compliance with federal, state, and local regulations. US Regulations (CERCLA) require reporting spills and releases to soil, water and air in excess of reportable quantities. The toll free number for the US Coast Guard National Response Center is (800) 424-8802.

7. HANDLING AND STORAGE

Precautions for safe handling

Advice on Safe Handling Handle in accordance with good industrial hygiene and safety practice. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Use personal protection recommended in Section 8. Wash face, hands and any exposed skin thoroughly after handling. Avoid contact with skin, eyes or clothing.

Conditions for safe storage, including any incompatibilities

Storage Conditions Keep containers tightly closed in a dry, cool and well-ventilated place. Store locked up. Do not store near heat or flame. Material can expand containers. Use caution in opening expanded containers.

Incompatible Materials Oxidizing agents, acids, chlorine, nitrates, bases and alkalis.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines

Chemical name	ACGIH TLV	OSHA PEL	NIOSH
Dibutyl phthalate 84-74-2	TWA: 5 mg/m^3	TWA: 5 mg/m^3 (vacated) TWA: 5 mg/m^3	IDLH: 4000 mg/m^3 TWA: 5 mg/m^3

Appropriate engineering controls

Engineering Controls A system of local and/or general exhaust is recommended to keep employee exposures below the Airborne Exposure Limits. Local exhaust ventilation is generally preferred because it can control the emissions of the contaminant at its source, preventing dispersion of it into the general work area. Please refer to the ACGIH document, Industrial Ventilation, A Manual of Recommended Practices , most recent edition, for details.

Maintain eye wash fountain and quick drench facilities in work area.

Individual protection measures, such as personal protective equipment

Eye/Face Protection Use chemical safety goggles and/or a full face shield where splashing is possible.

Skin and Body Protection Wear impervious protective clothing, including boots, gloves, lab coat, apron or coveralls, as appropriate, to prevent skin contact. Polyvinyl alcohol, butyl rubber and nitrile rubber are suitable materials to use for personal protective equipment.

Respiratory Protection If the exposure limit is exceeded, a half-face respirator with an organic vapor cartridge and particulate filter (NIOSH type P95or R95 filter) may be worn for up to ten times the exposure limit or the maximum use concentration specified by the appropriate regulatory agency or respirator supplier, whichever is lowest. A full-face piece respirator with an organic vapor cartridge and particulate filter (NIOSH P100 or R100 filter) may be worn up to 50 times the exposure limit, or the maximum use concentration specified by the appropriate regulatory agency or respirator supplier, whichever is lowest. Please note that N series filters are not recommended for this material. For emergencies or instances where the exposure levels are not known, use a full-face piece positive-pressure, air-supplied respirator. WARNING: Air-purifying respirators do not protect workers in oxygen-deficient atmospheres. This compound possibly exists in both particulate and vapor phase. A gas/vapor cartridge should be used in addition to the particulate filter (NIOSH type P95 or better filter). If the vapor concentration alone exceeds the exposure limits, use a supplied air respirator, because warning properties are unknown for these compounds. Breathing air quality must meet the requirements of the OSHA respiratory protection standard (29CFR1910.134).

General Hygiene Considerations Wash contaminated clothing before reuse.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical state	Liquid		
Appearance	Clear liquid	**Odor**	Characteristic
Color	Clear	**Odor Threshold**	Not determined

Property	**Values**	**Remarks • Method**
pH	No data available	
Melting point / freezing point	Not applicable	
Initial boiling point and boiling range	340 °C / 644 °F	
Flash point	171 °C / 339.8 °F	
Evaporation rate	< 1	N-butyl acetate
Flammability (Solid, Gas)	Not determined	
Flammability Limit in Air		
Upper flammability or explosive limits	2.5%	
Lower flammability or explosive limits	0.5%	
Vapor Pressure	Not determined	
Relative vapor density	No data available	
Relative Density	1.0400-1.0480	ASTM D4052 @ 60°F (ASTM D 1298)
Water Solubility	Insoluble in water	
Solubility in other solvents	Alcohol, ether, benzene and acetone: very soluble	
Partition Coefficient	Not determined	
Autoignition temperature	402 °C / 755.6 °F	
Decomposition temperature	Not determined	
Kinematic viscosity	Not determined	
Dynamic viscosity	Not determined	
Explosive Properties	Not an explosive	
Oxidizing Properties	Not determined	

10. STABILITY AND REACTIVITY

Reactivity
Not reactive under normal conditions.

Chemical stability
Stable under recommended storage conditions.

Possibility of hazardous reactions
None under normal processing.

Hazardous Polymerization Hazardous polymerization does not occur.

Conditions to Avoid
Heat, flames, ignition sources and incompatibles.

Incompatible materials
Oxidizing agents, acids, chlorine, nitrates, bases and alkalis.

Hazardous decomposition products
May also produce 1-butene, butanol and phthalic anhydride. Carbon dioxide and carbon monoxide may form when heated to decomposition.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Product Information

Eye Contact May cause irritation with lachrymation, ache and blurry sight.

Skin Contact May cause irritation, contact burns, itching, redness, swelling.

Inhalation May cause irritation to respiratory tract.

Ingestion May cause irritation to gastrointestinal tract.

Component Information

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Dibutyl phthalate 84-74-2	= 7499 mg/kg (Rat)	> 20000 mg/kg (Rabbit)	>= 15.68 mg/L (Rat) 4 h

Symptoms related to the physical, chemical and toxicological characteristics

Symptoms Please see section 4 of this SDS for symptoms.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Carcinogenicity Based on the information provided, this product does not contain any carcinogens or potential carcinogens as listed by OSHA, IARC or NTP.

Reproductive toxicity May damage fertility or the unborn child.

Numerical measures of toxicity

The following values are calculated based on chapter 3.1 of the GHS document

ATEmix (dermal) 20,000.00 mg/kg
ATEmix (inhalation-dust/mist) 15.68 mg/l

12. ECOLOGICAL INFORMATION

Ecotoxicity

Very toxic to aquatic life with long lasting effects.

Component Information

Chemical name	Algae/aquatic plants	Fish	Crustacea
Dibutyl phthalate 84-74-2	EC50: =1.2mg/L (72h, Desmodesmus subspicatus) EC50: =0.4mg/L (96h, Pseudokirchneriella subcapitata)	LC50: 0.71 - 1.2mg/L (96h, Pimephales promelas) LC50: 0.31 - 5.45mg/L (96h, Pimephales promelas) LC50: >1.24mg/L (96h, Oncorhynchus mykiss) LC50: 1.24 - 5.3mg/L (96h, Oncorhynchus mykiss) LC50: 1.38 - 1.74mg/L (96h, Lepomis macrochirus) LC50: 0.42 - 1.28mg/L (96h, Lepomis macrochirus)	EC50: =2.99mg/L (48h, Daphnia magna) EC50: =3.4mg/L (48h, Daphnia magna)

Persistence/Degradability
When released into the soil, this material may biodegrade to a moderate extent. When released into the soil, this material may leach into groundwater. When released into water, this material is expected to readily biodegrade. When released into water, this material is expected to have a half-life between 10 and 30 days.

Bioaccumulation
There is no data for this product.

Mobility

Chemical name	Partition coefficient
Dibutyl phthalate 84-74-2	4.79

Other adverse effects
When released into the air, this material may be removed from the atmosphere to a moderate extent by dry deposition

13. DISPOSAL CONSIDERATIONS

Disposal methods

Disposal of Wastes Whatever cannot be saved for recovery or recycling should be handled as hazardous waste and sent to a RCRA approved waste facility. Processing, use or contamination of this product may change the waste management options. State and local disposal regulations may differ from federal disposal regulations. Dispose of container and unused contents in accordance with federal, state and local requirements.

Contaminated Packaging Disposal should be in accordance with applicable regional, national and local laws and regulations.

US EPA Waste Number

Chemical name	RCRA	RCRA - Basis for Listing	RCRA - D Series Wastes	RCRA - U Series Wastes
Dibutyl phthalate 84-74-2	U069	Included in waste stream: F039		U069

14. TRANSPORT INFORMATION

Note Please see current shipping paper for most up to date shipping information, including exemptions and special circumstances.

DOT Not Regulated (Single Container < RQ)
- **UN/ID No** UN3082
- **Proper Shipping Name** Environmentally hazardous substances, liquid, n.o.s. (Dibutyl phthalate)
- **Transport hazard class(es)** 9
- **Packing Group** III
- **Reportable Quantity (RQ)** 10lbs

IATA
- **UN number or ID number** UN3082
- **Proper Shipping Name** Environmentally hazardous substances, liquid, n.o.s. (Dibutyl phthalate)
- **Transport hazard class(es)** 9
- **Packing group** III
- **Description** Yes, when inner containers are larger than 5L.

IMDG

UN number or ID number	UN3082
Proper Shipping Name	Environmentally hazardous substances, liquid, n.o.s. (Dibutyl phthalate)
Transport hazard class(es)	9
Packing Group	III
Marine Pollutant	Yes, when inner containers are larger than 5L.

15. REGULATORY INFORMATION

International Inventories

Chemical name	TSCA	TSCA Inventory Status	DSL/NDSL	EINECS/ELINCS	ENCS	IECSC	KECL	PICCS	AIIC
Dibutyl phthalate	X	ACTIVE	X	X	X	X	X	X	X

Legend:

TSCA *- United States Toxic Substances Control Act Section 8(b) Inventory*

DSL/NDSL *- Canadian Domestic Substances List/Non-Domestic Substances List*

EINECS/ELINCS *- European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances*

ENCS *- Japan Existing and New Chemical Substances*

IECSC *- China Inventory of Existing Chemical Substances*

KECL *- Korean Existing Chemicals Inventory*

PICCS *- Philippines Inventory of Chemicals and Chemical Substances*

AICS *- Australian Inventory of Chemical Substances*

US Federal Regulations

CERCLA

This material, as supplied, contains one or more substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302)

Chemical name	Hazardous Substances RQs	Extremely Hazardous Substances RQs	Reportable Quantity (RQ)
Dibutyl phthalate 84-74-2	10 lb		RQ 10 lb final RQ RQ 4.54 kg final RQ

SARA 311/312 Hazard Categories

Under the amended regulations at 40 CFR 370, EPCRA 311/312 Tier II reporting for the 2017 calendar year will need to be consistent with updated hazard classifications

Acute health hazard	Yes
Chronic Health Hazard	Yes
Fire hazard	No
Sudden release of pressure hazard	No
Reactive Hazard	No

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

Chemical name	CAS No.	Weight-%	SARA 313 - Threshold Values %
Dibutyl phthalate - 84-74-2	84-74-2	99-100	1.0

CWA (Clean Water Act)
This product contains the following substances which are regulated pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

Chemical name	CWA - Reportable Quantities	CWA - Toxic Pollutants	CWA - Priority Pollutants	CWA - Hazardous Substances
Dibutyl phthalate	10 lb	X	X	X

US State Regulations

California Proposition 65
This product contains the following Proposition 65 chemicals:.

Chemical name	California Proposition 65
Dibutyl phthalate - 84-74-2	Developmental Female Reproductive Male Reproductive

U.S. State Right-to-Know Regulations

Chemical name	New Jersey	Massachusetts	Pennsylvania
Dibutyl phthalate 84-74-2	X	X	X

16. OTHER INFORMATION

NFPA	**Health hazards**	**Flammability**	**Instability**	**Special hazards**
	2	1	0	-
HMIS	**Health hazards**	**Flammability**	**Physical hazards**	**Personal Protection**
	2	1	1	Not determined

Issue Date: 01-Jan-2002
Revision Date: 24-Jan-2025
Revision Note: Regulatory update

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

End of Safety Data Sheet