



SAFETY DATA SHEET: DB ACETATE

IN CASE OF TRANSPORTATION EMERGENCY CONTACT:

CHEMTREC:(800) 424-9300

ALL OTHER INQUIRIES:
(770) 904-7042 // www.ciscochem.com
266 Rue Cezzan Lavonia, GA 30553

1. IDENTIFICATION

PRODUCT NAME: DB ACETATE
CAS NO: 124-17-4
CHEMICAL NAME: DIETHYLENE GLYCOL MONOBUTYL ETHER ACETATE

2. HAZARDS IDENTIFICATION

Hazard Classification: The product has not been classified as hazardous according to the legislation in force.

OSHA Specified Hazards: not applicable

Hazard(s) not otherwise Prolonged or repeated skin contact may cause drying, cracking, or irritation.
classified (HNOC)

3. COMPOSITION

CHEMICAL NAME:	CAS NO	% BY WEIGHT
Diethylene Glycol Monobutyl Acetate	124-17-4	100%

4. FIRST AID MEASURES

Description of first aid measures Inhalation:

Treat symptomatically. Move to fresh air. Get medical attention if symptoms persist.

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. Remove contaminated clothing and shoes. Get medical attention if symptoms occur. Wash contaminated clothing before reuse. Destroy or thoroughly clean contaminated shoes.

Ingestion:

Seek medical advice. Material is not expected to be absorbed from the gastrointestinal tract so that induction of vomiting should not be necessary.

Most important symptoms and effects, both acute and delayed:

None known.

Indication of any immediate medical attention and special treatment needed

Hazards:

None known.

Treatment:

Treat symptomatically.

5. FIRE FIGHTING MEASURES

General Fire Hazards:

None known.

Extinguishing media

Suitable extinguishing media:

Water spray. Dry chemical. Carbon Dioxide. Foam.

Unsuitable extinguishing media:

None known.

Special hazards arising from the substance or mixture:

Forms peroxides of unknown stability.

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.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures:

Wear appropriate personal protective equipment

Environmental Precautions:

Avoid release to the environment

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.

7. HANDLING AND STORAGE

Precautions for safe handling

Avoid prolonged or repeated contact with skin. Wash thoroughly after handling. Minimize exposure to air. After opening, purge container with nitrogen before reclosing. Periodically test for peroxide formation on long- term storage. Do not allow to evaporate to near dryness. Do not distill to near dryness. Addition of water or appropriate reducing materials will lessen peroxide formation.

Conditions for safe storage, including any incompatibilities:

Keep container tightly closed. Store away from heat and light.

Specific End Use(s):

Solvent

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

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
Diethylene glycol monobutyl ether acetate Levels Environmental	ST ESL	850 µg/m ³	US. Texas. Effects Screening (Texas Commission on Quality) (03 2014)
Screening Levels Environmental	AN ESL	85 µg/m ³	US. Texas. Effects (Texas Commission on Quality) (03 2014)

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 an acceptable level.

Individual protection measures, such as personal protective equipment

General information:

Eye bath. Washing facilities. Safety shower.

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 skin contact. For operations where prolonged or repeated skin contact may occur, chemical-resistant gloves should be worn. Contact health and safety professional or manufacturer for specific information.

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.

Environmental Controls:

No data available.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Appearance

Physical state: Liquid

Form: Liquid

Color: Colorless

Odor: Pleasant

Odor Threshold: Not determined

pH: No data available

Freezing Point: -32°C

Boiling Point: 247°C

Flash Point: 96°C (Setaflash Closed Cup)

Evaporation Rate: 0.01

Flammability (solid, gas): No data available

Flammability Limit - Upper (%)-: No data available

Flammability Limit - Lower (%)-: No data available

Vapor pressure: 0.05 mbar (20 °C)

Vapor density (air=1) 7

Specific Gravity: 0.98 (20 °C)

Solubility(ies)

Solubility in Water: Moderate

Autoignition Temperature: 249 °C (ASTM E659)

Decomposition Temperature:

Thermal stability not tested. Low stability hazard expected at normal operating temperatures.

Dynamic viscosity: no data available

Kinematic viscosity: 2.9 mm²/s (25 °C)

10. STABILITY AND REACTIVITY

Reactivity:

None known

Chemical Stability:

Stable

Possibility of Hazardous Reactions:

Forms peroxides of unknown stability

Conditions to Avoid:

None at ambient temperatures

Incompatible Materials:

Strong oxidizing agents

Hazardous Decomposition Products:

Carbon Dioxide. Carbon Monoxide

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Inhalation:

None Known

Ingestion:

None known

Skin contact:

Prolonged or repeated skin contact may cause drying, cracking or irritation

Eye contact:

none known

Information on toxicological effects

Oral

Product:

No data available

Specified substance(s):

diethylene glycol monobutyl ether acetate

Oral LD-50: (mouse) 6,470 mg/kg

Dermal Product:

No data available

Specified substance(s):

diethylene glycol monobutyl ether acetate

Dermal LD-50 (Rabbit) 5.75 mL/kg

Inhalation

Product:

No data available

Specified substance(s):

diethylene glycol monobutyl ether acetate

LDLo (Rat, 4h) > 400 ppm

Repeated dose toxicity

Product: No data available

Skin Corrosion/Irritation

Product: No data available

Specified substance(s):

diethylene glycol monobutyl ether acetate

(Rabbit, 24 h): Slight

Serious Eye Damage/Eye Irritation

Product: No data available

Specified substance(s):

diethylene glycol monobutyl ether acetate

(rabbit, 24 h) slight

Respiratory or Skin Sensitization

Product: No data available

Carcinogenicity

Product: No data available

Specified substance(s):

diethylene glycol monobutyl ether acetate
IARC Not Listed. NTP Not Listed. OSHA Not Listed

Toxicity to reproduction
Product: No data available

Developmental toxicity
Product: No data available

Germ Cell Mutagenicity
In vitro Product: No data available

In vivo Product: No data available

Specific Target Organ Toxicity - Single Exposure
Product: No data available.

Specific Target Organ Toxicity - Repeated Exposure
Product: No data available.

Aspiration Hazard
Product: No data available.

12. ECOLOGICAL INFORMATION

Ecotoxicity:
Acute hazards to the aquatic environment:
Fish
Product: No data available.

Aquatic Invertebrates
Product: No data available.

Chronic hazards to the aquatic environment:
Fish
Product: No data available

Aquatic Invertebrates
Product: No data available

Toxicity to Aquatic Plants
Product: No data available

Persistence and Degradability
Biodegradation
Product: No data available

BOD/COD Ratio
Product: No data available.

Bioaccumulative Potential Bioconcentration Factor (BCF)
Product: No data available.

Partition Coefficient n-octanol / water (log Kow)
Product: No data available.

Mobility in Soil:
No data available

Other Adverse Effects:

No data available.

13. DISPOSAL CONSIDERATIONS

Waste treatment methods

General information:

No data available.

Disposal methods:

Dispose of waste and residues in accordance with local authority requirements. Incinerate.

14. TRANSPORT INFORMATION

Important Note: Shipping descriptions may vary based on mode of transport, quantities, package size, and/or origin and destination. Consult your company's Hazardous Materials/Dangerous Goods expert for information specific to your situation.

DOT

Class not regulated

IMDG - International Maritime Dangerous Goods Code

Class not regulated

IATA

Class not regulated

15. REGULATORY INFORMATION

Safety, health and environmental regulations/legislation specific for the substance or mixture.:

This product has been classified in accordance with hazard criteria of the Controlled Products Regulations and the SDS contains all the information required by the Controlled Products Regulations. WHMIS(Canada)Status: noncontrolled

US EPCRA (SARA Title III) Section 313 - Toxic Chemical List

GLYCOL ETHERS CATEGORY

OSHA: non 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 or otherwise complies with CEPA new substance notification requirements.

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.

ECL (Korean Toxic Substances Control Act): This product is listed on the Korean inventory or otherwise complies with the Korean Toxic Substances Control Act.KE-04138

Philippines Inventory (PICCS) : This product is listed on the Philippine Inventory or otherwise complies with PICCS.

Inventory of Existing Chemical Substances in China: All components of this product are listed on the Inventory of Existing Chemical Substances in China (IECSC).

16. OTHER INFORMATION

HMIS® Hazard Ratings: Health - 1, Flammability - 1, Chemical Reactivity - 1

HMIS® rating involves data interpretations that may vary from company to company. They are intended only for rapid, general identification of the magnitude of the specific hazard. To deal adequately with the safe handling of this material, all the information contained in this MSDS must be considered.

This information is provided without warranty. The information is believed to be correct. This information should be used to make an independent determination of the methods to safeguard workers and the environment.

Date Created: 6/16/2015

Date Updated: 6/16/2015