



HEALTH	1
FLAMMABILITY	1
REACTIVITY	0

Safety Data Sheet (SDS)

Revision / Review Date: 12/3/14

1. Chemical Product and Company Identification

Product Name: DBS
Distributed By: HB Chemical
1665 Enterprise Parkway
Twinsburg Oh 44087
Phone - 330-920-8023

MSDS Prepared By (w Suppliers Input): HB Chemical
Chemical name: Dibutyl Sebacate
Molecular Formula: C18H34O4
Molecular Weight via GPC, Mn: 314.46 g/mol
OSHA Status: Not Hazardous
CAS No. 109-43-3

For emergency health, safety, and environmental information, calls 330-920-8023
For emergency transportation information, in the United States: call CHEMTREC at 800-424-9300

2. Hazard(s) Identification

Warning:



Eye Contact: Causes eye irritation.

Skin Contact: Can be harmful if absorbed through skin. Can cause skin irritation.

Ingestion: Can be harmful if swallowed.

Inhalation: Can be harmful if inhaled. Can cause respiratory tract irritation.

3. Composition / Information on Ingredients

Components	% by weight	CAS NO.
Di-n-Butyl Sebacate	> 99%	109-43-3

4. First Aid Measures

<u>Inhalation:</u>	Remove person to fresh air. If signs/symptoms continue, get medical attention. Give oxygen or artificial respiration as needed.
<u>Eyes:</u>	Thoroughly flush the eyes with large amounts of clean low-pressure water for at least 15 minutes, occasionally lifting the upper and lower eyelids. If irritation persists, seek medical attention.
<u>Skin:</u>	Wash skin with soap and copious amounts of water. Seek medical attention.
<u>Ingestion:</u>	DO NOT induce vomiting. If vomiting does occur, have victim lean forward to prevent aspiration. Rinse mouth with water. Seek medical attention. Never give anything by mouth to an unconscious individual.

5. Fire-Fighting Measures

<u>Extinguishing media:</u>	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
<u>Special procedures for firefighters:</u>	Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes. Keep unopened containers cool by spraying with water.
<u>Hazardous Combustion Products:</u>	Carbon oxides.

6. Accidental Release Measures

<u>Steps to be taken in case material is spilled:</u>	Absorb with an inert material and put the spilled material in an appropriate waste disposal. Finish cleaning by spreading water on the contaminated surface and allow to evacuate through the sanitary system.
<u>Environmental Disposal Information:</u>	Do not dump into drains. Contain spill if possible and safe to do so. Prevent product from entering drains.
<u>Personal precaution:</u>	Use personal protective equipment. Avoid breathing vapors, mist or gas. Evacuate personnel to safe areas.

7. Handling and Storage:

<u>Storage:</u>	Keep container tightly closed in a cool, well-ventilated area.
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8. Exposure Controls / Personal Protection

<u>Exposure Controls:</u>	Wash with soap and water before eating, drinking or using toilet facilities. Launder contaminated clothing before reuse.
<u>Respiratory Protection:</u>	The specific respirator selected must be based on the contamination level found in the work place, must not exceed the working limits of the respirator and be jointly approved by the National Institute for Occupational Safety and Health Administration.
<u>Ventilation:</u>	Provide general dilution ventilation to meet published exposure limits.
<u>Gloves:</u>	Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.
<u>Eye Protection:</u>	Employee must wear splash-proof or dust resistant safety goggles to prevent eye contact with this substance.
<u>Skin and Body Protection:</u>	To prevent repeated or prolonged skin contact, wear impervious clothing.
<u>Decontamination Facilities:</u>	Eye bath, washing facilities (sinks / showers).

9. Physical and Chemical Properties

<u>Physical Form:</u>	Clear Liquid
<u>Appearance & Odor:</u>	Colorless to pale yellow/ mild
<u>Specific Gravity:</u>	0.9223
<u>Solubility in Water</u>	<0.1
<u>Flash Point, TAG CC F.</u>	350°F
<u>Evaporation Rate (Water ~ 1)</u>	< 1 (Butyl Acetate = 1)
<u>Vapor Pressure (mm Hg)</u>	0.0000047 mm Hg @ 25°C
<u>Vapor Density (Air ~ 1)</u>	10.8
<u>Boiling Point (°F) Initial</u>	186-197°C
<u>Auto ignition Temperature, °C</u>	365°C
<u>Freezing / Melting Point:</u>	-12 °C -10 °F

10. Stability and Reactivity

<u>Stability:</u>	This product is stable under normal conditions.
<u>Incompatibility (Materials to Avoid):</u>	Oxidizing materials.
<u>Hazardous decomposition products:</u>	Carbon oxides are expected to be, under fire conditions, the primary hazardous decomposition products.

11. Toxicological Information

This material is not listed as a carcinogen or potential carcinogen by NTP, IARC, or OSHA.

<u>Acute toxicity:</u>	LD50 Oral - rat - 14.870 mg/kg Remarks: Behavioral: Somnolence (general depressed activity). Diarrhea. Liver function tests impaired. LD50 Intraperitoneal - mouse - 13.759 mg/kg.
<u>Reproductive toxicity:</u>	Rat - Oral Effects on Newborn: Growth statistics (e.g., reduced weight gain).
<u>Specific target organ toxicity:</u>	Inhalation may cause respiratory irritation.

12. Ecological Information

No data available for environmental effects.

13. Disposal Considerations

<u>Waste Disposal:</u>	Offer surplus and non-recyclable solutions to a licensed disposal company. Contact a licensed professional waste disposal service to dispose of this material.
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14. Transport Information

<u>D.O.T. Shipping Name:</u>	Not dangerous goods.
<u>Sea - IMDG (International Maritime Dangerous Goods):</u>	Not dangerous goods.
<u>IATA:</u>	Not dangerous goods.

15. Regulatory Information

All components of this material are on the TSCA Inventory.

All components of this material are on the Canadian DSL.

<u>Chemical Inventory Lists:</u>	Status
TSCA:	Yes
EINECS:	Yes
Canada (DSL/NDSL):	DSL
Japan:	2-879X
Korea:	KE-09410
Australia:	Yes
New Zealand:	Present
China:	Yes
Philippines:	Yes
Switzerland:	G-3244

New Zealand GHS Classification: 6.8B, 6.9B oral (Approval number: HSR003842)

California Prop 65 Components: This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

SARA 311/312 Hazards: Acute Health Hazard.

16. Other Information

The above information has been compiled from what we believe to be credible sources. To our knowledge the information is accurate and reliable, however, it is not guaranteed. Any recommendations issued by HB Chemical personnel or literature is derived from experience and by no means should be taken as fact or construed as a recommendation to violate of any law, regulation or patent. It is the users responsibility to determine the suitability of any HB supplied material in their application. The individual conditions of each customer are well outside of our control and we cannot be held liable for its functionality and use. Please contact our office should you need specific information beyond what is supplied above. As with all Chemical usage safety precautions beyond the stated are highly recommended.