



## Safety Data Sheet (SDS)

Revision / Review Date: 3/11/14

### 1. Chemical Product and Company Identification

Product Name:	<b>DOS</b>
Distributed By:	HB Chemical 1665 Enterprise Parkway Twinsburg Oh 44087 Phone - 330-920-8023
MSDS Prepared By (w Suppliers Input):	HB Chemical
Chemical Name / Family:	Dioctyl Sebacate; DOS
Molecular Formula:	Not Applicable
Molecular Weight via GPC, Mn:	N/A
Product Use:	Industrial Applications
OSHA Status	Not Hazardous

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

<u>Warning:</u>	There are no known hazardous components above regulatory thresholds in this product.
<u>Signs and Symptoms of Exposure:</u>	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 components. 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.
<u>Primary Routes of Entry:</u>	Inhalation, Skin contact, Ingestion.
<u>Medical Conditions Generally Aggravated by Exposure:</u>	None Known.
<u>Eye Contact:</u>	Contact with eyes may cause irritation.
<u>Skin Contact:</u>	Experience shows no unusual dermatitis hazard from routine handling.
<u>Ingestion:</u>	May be harmful if swallowed.
<u>Inhalation:</u>	Inhalation of airborne droplets may cause irritation of the respiratory tract.

### 3. Composition / Information on Ingredients

CAS No: 122-62-3 Chemical name: Dioctyl Sebacate; DOS

There are no known hazardous components above regulatory thresholds in the product.

### 4. First Aid Measures

<u>Inhalation:</u>	Move to fresh air in case of accidental inhalation of fumes from overheating or combustion. Seek medical attention after significant exposure.
<u>Eyes:</u>	Rinse immediately with plenty of water for at least 15 minutes. If eye irritation persists, seek medical attention.
<u>Skin:</u>	Wash off with soap and plenty of water. If skin irritation persists seek medical attention.
<u>Ingestion:</u>	Do not induce vomiting. Seek medical attention. If individual is drowsy, do not give anything by mouth.

### 5. Fire-Fighting Measures

<u>Flash point:</u>	210 °C
<u>Flammable Limits</u>	
<u>Upper explosion limit:</u>	no data available
<u>Lower explosion limit:</u>	0.44 %(V)
<u>Auto-ignition temperature:</u>	366 °C
<u>Suitable extinguishing media:</u>	Carbon dioxide (CO <sub>2</sub> ), Water spray can be used to cool fire exposed surfaces., Dry powder, Foam.
<u>Special Fire Fighting Procedures:</u>	Fullface self-contained breathing apparatus (SCBA) used in positive pressure mode should be worn to prevent inhalation of airborne contaminants.
<u>Unusual Fire/Explosion Hazards:</u>	Carbon dioxide (CO <sub>2</sub> ), carbon monoxide (CO), oxides of nitrogen (NO <sub>x</sub> ), other hazardous materials, and smoke are all possible.

### 6. Accidental Release Measures

<u>Personal precautions:</u>	Wear appropriate personal protection during cleanup, such as impervious gloves, boots and coveralls.
<u>Environmental precautions:</u>	The product should not be allowed to enter drains, water courses or the soil. Should not be released into the environment.

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.

### 7. Handling and Storage:

Handling: Heat only in areas with appropriate exhaust ventilation.

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

### 8. Exposure Controls / Personal Protection

Exposure Controls: There are no known hazardous components above regulatory thresholds in this product.

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

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

Protective Gloves: Protective gloves.

Eye Protection: Safety glasses with side-shields

Skin and Body Protection: Long sleeved clothing.

Other Precautions: 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.

### 9. Physical and Chemical Properties

Form	: liquid	Evaporation rate	: negligible
Appearance	: viscous, liquid	Specific Gravity	: 0.913
Colour	: LIGHT YELLOW	Bulk density	: Not applicable
Odour	: very faint	Vapour pressure	: 0.98 mm Hg @ 210 °C
Melting point/range	: -48°C (-54°F) Pour Point	Vapour density	: 14.7
Boiling Point:	: 300 °C	pH	: Not applicable
Water solubility	: 1.0 mg/l		

### 10. Stability and Reactivity

Stability: This product is stable if stored and handled as prescribed.

Incompatibility (Materials to Avoid): Incompatible with strong acids and oxidizing agents.

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

<u>Hazardous Polymerization:</u>	Hazardous polymerization will not occur
<u>Hazardous decomposition products:</u>	Carbon dioxide (CO <sub>2</sub> ), carbon monoxide (CO), oxides of nitrogen (NO <sub>x</sub> ), Other hazardous materials and smoke are all possible.

### 11. Toxicological Information

There are no known hazardous components above regulatory thresholds in this product.

### 12. Ecological Information

Persistence and degradability	: 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

<u>D.O.T. Shipping Name</u>	Not regulated for transportation.
<u>Air - ICAO (international Civil Aviation Organization)</u>	Not regulated for transportation.
<u>Sea - IMDG (International Maritime Dangerous Goods)</u>	Not regulated for transportation.

### 15. Regulatory Information

#### US Regulations:

OSHA Status: There are no known hazardous components above regulatory thresholds in this product.

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

<u>US. EPA CERCLA Hazardous Substances (40 CFR.302):</u>	Not applicable.
<u>California Proposition 65:</u>	Not applicable
<u>SARA Title III Section 302 Extremely Hazardous Substance:</u>	Unless specific chemicals are identified under this section this Product is Not Applicable under this regulation.
<u>SARA Title III Section 313 Toxic Chemicals:</u>	Unless specific chemicals are identified under this section this Product is Not Applicable under this regulation.
<u>Canadian Regulations:</u>	
<u>National Pollutant Release Inventory (NPRI):</u>	Not Applicable.
<u>WHMIS Classification:</u>	Not controlled.
<u>DSL:</u>	All components of this product are on the Canadian Domestic Substances list (DSL) or are exempt.
<u>National Inventories:</u>	
<u>Australia AICS:</u>	Listed
<u>China IECS:</u>	Listed
<u>Europe EINECS:</u>	Listed
<u>Japan ENCS:</u>	Listed
<u>Korea KECI:</u>	Listed
<u>Philippines PICCS:</u>	Listed

## **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.