

Material Safety Data Sheet

PRODUCT NAME: DIOCTYL SEBACATE

IDENTIFICATION AND DISTRIBUTOR INFORMATION

TRADE NAME: DIOCTYL SEBACATE
CAS #: 122-62-3
DATE: May 29, 2008

DISTRIBUTOR: ACME-HARDESTY COMPANY
ADDRESS: 450 Sentry Parkway
Blue Bell, PA 19422

TELEPHONE: (866) 226 – 3834
FAX: (215) 591 – 3620
EMERGENCY: CHEMTREC (800) 424-9300

COMPOSITION / INFORMATION ON INGREDIENTS

INGREDIENT: Dioctyl Sebacate
CHEMICAL NAME: Bis(2-ethylhexyl) Sebacate
CHEMICAL FAMILY: Ester
CHEMICAL FORMULA: $C_{26}H_{50}O_4$

CAS#	%WT	%VOL	SARA 313 REPORTABLE
122-62-3	99%		Not reportable

	<u>PPM</u>	<u>mq/m3</u>
OSHA PEL-TWA:	Not available	
OSHA PEL STEL:		
OSHA PEL CEILING:		
ACGIH TLV-TWA:	Not available	
ACGIH TLV STEL:		
ACGIH TLV CEILING:		

HAZARDOUS IDENTIFICATION

POTENTIAL HEALTH EFFECTS:

EYES: May cause irritation
SKIN: May cause irritation
INGESTION: --
INHALATION: --

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: None reported.

May be harmful by inhalation, ingestion, or skin absorption.

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

ACCIDENTAL RELEASE MEASURES

Absorb with inert material.
Put the spilled material in an appropriate waste disposal.
Keep away from heat and other sources of ignition.
Stop leak if without risk.
On land, dyke; In water set up a dam and contact appropriate authorities.

FIRST AID MEASURES

EYES: Flush eyes with copious amounts of water for at least 15 minutes, occasionally lifting upper and lower lids. Consult a physician if irritation appears.

SKIN: Flush skin with plenty soap and water for at least 15 minutes while removing contaminated clothing and shoes. Contact a physician if irritation persists.

INGESTION: Not a likely source of exposure. If swallowed, however, wash out mouth with water provided person is conscious.

INHALATION: Remove from exposure to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen.

FIRE FIGHTING MEASURES

FLASH LIMITS IN AIR (% BY VOLUME):

UPPER:	Unknown
LOWER:	Unknown

FLASH POINT: 440.6°F, 227°C (OC)

AUTO-IGNITION TEMP: 500°F, 227°C

UNUSUAL FIRE / EXPLOSION HAZARDS: --

HMIS CLASSIFICATION:

HEALTH:	1
FLAMMABILITY:	1
REACTIVITY:	0
PERSONAL PROTECTION:	H

NFPA CLASSIFICATION:

HEALTH:	1
FLAMMABILITY:	1
REACTIVITY:	0

EXTINGUISHING MEDIA: Use water fog, alcohol resistant foam, dry-chemical, or carbon dioxide

SPECIAL PROCEDURES: As in any fire, wear self-contained breathing apparatus in pressure demand. MSHA/NIOSH (approved or equivalent), and full protective gear. During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion.

HAZARDOUS DECOMPOSITION: As with other organic materials, combustion will produce carbon monoxide and carbon dioxide.

HANDLING & STORAGE

Avoid contact with eyes, skin and clothing.
Wash thoroughly after handling.
Remove contaminated clothing and wash before reuse.
Avoid eye contact and inhalation.
Use with adequate ventilation.
Store in cool, dry place.
Keep container closed when not in use.

EXPOSURE CONTROLS / PERSONAL PROTECTION

ENGINEERING CONTROLS: Ventilation is recommended in order to maintain vapor concentration below permitted limits. Make sure an emergency eye wash and a shower can be found at the work place.

VENTILATION: Mechanical ventilation is recommended.

RESPIRATORY PROTECTION: Use MSHA/NIOSH respirator.

EYE PROTECTION: Wear chemical goggles.

SKIN PROTECTION: Wear compatible chemical resistant gloves and sufficient clothing to minimize physical contact.

HYGIENIC PRACTICES: During application, adequate ventilation must be approved.

PHYSICAL/CHEMICAL CHARACTERISTICS

APPEARANCE:	ABOVE ROOM TEMP:	clear oily liquid
	BELOW ROOM TEMP:	crystalline solid
ODOR:		Mild
pH:		N/A
BOILING POINT, °C:		255 @ 20 mm Hg
FREEZING/MELT POINT:		--
VAPOR PRESSURE @ 210°C:		0.98
VAPOR DENSITY (AIR=1):		14.7
SPECIFIC GRAVITY (water=1):		0.913 – 0.916
EVAPORATION RATE:		Negligible
SOLUBILITY IN WATER:		0.001%
MOLECULAR WT:		426.7
VISCOSITY@ 40°C:		3.5

STABILITY & REACTIVITY

STABILITY:	Stable under normal conditions
CONDITIONS TO AVOID:	None reported.
INCOMPATIBILITY:	Strong oxidizing agents
HAZARDOUS DECOMPOSITION:	Irritating and toxic fumes and gases. Combustion will produce carbon monoxide and carbon dioxide.
HAZARDOUS POLYMERIZATION:	Will not occur
CONDITIONS TO AVOID:	N/A

TOXICOLOGICAL INFORMATION

IVN-RAT LD50: 900 mg/kg	MRLR**#256, 1954
ORL:MUS LD50: 9500 mg/kg	85GMAT-62, 1982
IVN-RBT LD50: 540 mg/kg	MRLR**#256, 1954

Only selected registry of toxic effects of chemical substances (RTECS) data is presented here. See actual entry in RTECS for complete information.

ECOLOGICAL INFORMATION

This substance has some potential to biodegrade with acclimated microorganism from activated sludge. It has a low potential to persist in the environment, and a low potential to bioconcentrate. This substance floats on water, however, an accidental spill in water is not expected to affect the environment because it rapidly dilutes to 0.001%.

PRODUCTS OF BIODEGRADATION: carbon dioxide and water.

The BDO5 has not been determined but it is surely very low.

DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD: Dispose of in accordance with all applicable local, state, and federal guidelines. Container labels should not be removed until they have been cleaned. Contaminated containers should not be treated as household waste. Containers should be cleaned by appropriate methods and then re-used or disposed of by landfill or incineration as appropriate.

RCRA HAZARD CLASS: None listed

TRANSPORT INFORMATION

U.S. DEPARTMENT OF TRANSPORTATION

PROPER SHIPPING NAME:	Synthetic Plastic Plasticizer
HAZARD CLASS:	Not applicable
ID NUMBER:	Not applicable
PACKING GROUP:	Not applicable
LABEL STATEMENT:	Not applicable

WATER TRANSPORTATION

PROPER SHIPPING NAME:	No information available; Not listed as a Hazardous Material
HAZARD CLASS:	Not applicable
ID NUMBER:	Not applicable
PACKING GROUP:	Not applicable
LABEL STATEMENTS:	Not applicable

AIR TRANSPORTATION

PROPER SHIPPING NAME:	No information available; Not listed as a Hazardous Material
HAZARD CLASS:	Not applicable
ID NUMBER:	Not applicable
PACKING GROUP:	Not applicable
LABEL STATEMENT:	Not applicable

REGULATORY INFORMATION

U.S. FEDERAL REGULATIONS:

TSCA (TOXIC SUBSTANCE CONTROL ACT): CAS# 122-62-3:	Listed
CERCLA (COMPREHENSIVE RESPONSE COMPENSATION, AND LIABILITY ACT):	Not available
SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT):	RQ=0, TPQ=0
311/312 HAZARD CATEGORIES:	Not listed.
313 REPORTABLE INGREDIENTS:	Not listed.

CLEAN AIR ACT: This material does not contain any hazardous air pollutants. This material does not contain any Class 1 Ozone depleters. This material does not contain any Class 2 Ozone depleters.

CLEAN WATER ACT: None of the chemicals in this product are listed as Hazardous Substances under the CWA. None of the chemicals in this product are listed as Priority Pollutants and the CWA. None of the chemicals in this product are listed as Toxic Pollutants under the CWA.

OSHA: None of the chemicals in this product are considered highly hazardous by OSHA.

STATE REGULATIONS: --

EUROPEAN/INTERNATIONAL REGULATIONS:

HAZARD SYMBOLS: Not available
RISK PHRASES: ---
SAFETY PHRASES: S24/25 Avoid contact with skin and eyes.

INVENTORY STATUS:

DSL/NDSL:	Listed:	Supplement to Canada Gazette, Part I, January 26, 1991
EINECS:	Listed (204-558-8):	Annex to Official Journal of the European Communities, 15 June 1990
ENCS:	Unlisted chemical name. For ENCS chemical class or category name, refer to ENCS No. 2-879	
AICS:	Listed:	Australian Inventory of Chemical Substances. June 1996 Ed.
ECL:	Listed (Serial No. KE-09405):	Korean Existing Chemicals List, January 1997
PICCS:	Listed:	Philippines Inventory of Chemicals and Chemical Substances, 2000.

The data herein are based on our current knowledge and believed to be reliable.

Users must make their own determination that handling, storage and use of the product in the anticipated manner is safe and appropriate. Because these actions of the user are out of our control, and may be beyond our knowledge, we do not assume responsibility and expressly disclaim liability for loss, damage, expense or any other claim arising out of or in any way connected with the handling, storage, use or disposal of the product.

Disposal of containers must comply with applicable federal, state and local laws and regulations. Empty containers should never be given to individuals.