Safety Data Sheet (SDS)

Revision / Review Date: 12/22/14

1. Chemical Product and Company Identification

Product Name:	DOZ
Distributed By:	HB Chemical 1665 Enterprise Parkway Twinsburg Oh 44087 Phone - 330-920-8023
SDS Prepared By (w Suppliers Input):	HB Chemical
Chemical Name / Family:	Di 2-ethylhexyl azelate/ Ester
Molecular Formula:	C25H48O4
Molecular Weight via GPC, Mn:	412.65
Product Use:	Plasticizer
OSHA Status:	Non hazardous
CAS No:	103-24-2

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:	Not available.
Signs and Symptoms of Exposure:	Not available.
Primary Routes of Entry:	Not available.
Medical Conditions Generally Aggravated by Exposure:	Not available.
Emergency overview:	A clear, oily liquid, which is not normally irritating or absorbed through the skin. Can be irritating to mucous membranes. Not hazardous.
Eye Contact:	Can be irritating to mucous membranes and eyes.
Skin Contact:	May be mildly irritating to skin.
Ingestion:	May cause central nervous system depression. May irritate mouth, throat and stomach.
Inhalation:	High vapor concentration may be irritating to nose, throat, lungs and eyes. May cause dizziness.
HMIS Hazard Ratings:	Health-1 , Flammability - 1, Reactivity - 0

HMIS limitation statement:	The HMIS hazard ratings numbers are meant to give a quick indication of the relative hazards associated with the product. All of the information contained in the SDS should be consulted to assist with the safe handling of this material.

3. Composition / Information on Ingredients

Weight Percent / Typical	Component Identity	CAS Registry Number
100 %	di 2-ethylhexyl azelate	103-24-2

4. First Aid Measures

Inhalation:	Remove to fresh air; give artificial respiration or oxygen if necessary.
Eyes:	Flush eyes with water for 15 minutes. Call a physician if irritation develops.
Skin:	Remove contaminated clothing and wash skin with soap and water. If in contact with hot product, treat as a burn.
Ingestion:	Do not induce vomiting. May cause central nervous system depression. Never give anything by mouth to unconscious person. Seek medical attention.

5. Fire-Fighting Measures

Suitable Extinguishing Media:	Water Spray, Dry Chemical, Carbon Dioxide CO2, Foam.
Special Fire Fighting Procedures:	Full eye protection and protective clothing are required for all indoor/outdoor fires and spills. A MSHA/NIOSH approved self-contained breathing apparatus should be worn. Water spray can be used to keep containers cool, but is generally ineffective for direct fire suppression. Direct water will spread fire. Treat as burning oil. Keep drums as cool as possible to avoid expansion, explosions, and splattering.
Hazardous Combustion Products:	May form carbon dioxide, carbon monoxide.
Unusual fire and explosion hazards:	Not available.

6. Accidental Release Measures

Steps to be taken in case material is spilled:	Wear appropriate protective clothing, gloves and equipment. Dike and contain the spill with inert material (i.e., sand, earth, sawdust) and transfer liquid and solid diking material to

	separate containers for recovery or disposal according to local and state regulations. Thought should always be given to collecting the material in such a manner that it could be recycled. Wash/ scrub floor area with hot water solution and detergent. Remove contaminated clothing and wash before reuse. Wash affected skin areas with soap and water. Spills in excess of the RQ must be reported to the local emergency response organizations. Major spills should also be reported to the National Response Center.
Environmental Disposal Information:	Keep spills out of all sewers and bodies of water. Spills with potential to contaminate coastal waterways must be reported to the U.S. Coast Guard (800-424-8802).
Waste disposal:	All containers should be effectively labeled to facilitate the appropriate disposal or reclaim. Product can be converted to a water-soluble soap with Sodium or Potassium Carbonate.

7. Handling and Storage

Precautions to be taken in handling:	Any use of this product in an elevated temperature process, should be evaluated to establish and maintain safe operating procedures. Keep from contact with oxidizing materials. Perform drum and tote filling in well-ventilated area wearing protective eye shields and clothing.
Storage:	Containers should be kept tightly closed and stored in a dry well-ventilated place.
Empty Containers:	Not available.

8. Exposure Controls / Personal Protection

Exposure Controls:	Not available.
Ventilation:	Use only where sufficient ventilation exists to keep exposure levels of fumes below recommended levels.
Engineering Measures:	For normal operation, local exhaust ventilation should suffice. Direct exhaust when material becomes heated and vapors are given off.
Respiratory protection:	Respirators should be selected when TWA exceeded. Avoid hot vapors when mixing or packaging.
Hand protection:	Impervious gloves.
Skin protection:	Boots and apron as appropriate.
Eye Protection:	Safety glasses with side shields.

Decontamination Facilities:	There should be a shower facility and eyewash in the building where this product is being stored and handled. Exercise good chemical handling practice.

9. Physical and Chemical Properties

Physical Form:	Oily liquid
Appearance & Odor:	Yellow/ mild odor
Softening Point, R&B:	Not available.
Solubility in Water:	Not available.
Evaporation Rate:	< 1 (butyl acetate=1)
Percent Volatiles (by weight):	Not available.
Specific Gravity:	@25°C = 0.918
Flash Point, TAG CC F:	212° C
Boiling Point (^{o}F) Initial:	237° C
Vapor Pressure (mm Hg):	Not available.
Vapor Density (Air ~ I):	Not available.
Auto ignition Temperature, ^{o}C:	Not available.
Flammable Limits, %(V):	Not available.

10. Stability and Reactivity

Stability:	This product is stable under normal conditions.
Conditions to avoid:	Extreme heat.
Incompatibility (Materials to Avoid):	Material reacts with strong oxidizers and bases.
Hazardous Polymerization:	Will not occur under normal circumstances.
Hazardous decombustion:	This product decomposes under high temperature and hydrolyses in humid conditions.

11. Toxicological Information

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

12. Ecological Information

This material has not been evaluated for environmental effects.

13. Disposal Considerations

Reclaim or Dispose of material in accordance with all a lie able local, state, and federal regulations. Incineration by a permitted hazardous waste facility in accordance with all regulatory requirements is the preferred method of disposal. Empty containers can be rinsed with a suitable solvent/surfactant and steamed to remove residual product and fumes before disposal or reuse in accordance with applicable regulations.

14. Transport Information

D.O.T. Shipping Name:	Not restricted.
Air - ICAO (international Civil Aviation Organization):	Non-hazardous.
Sea - IMDG (International Maritime Dangerous Goods):	Non-hazardous.

15. Regulatory Information

All components of this material are on the TSCA Inventory.

All components of this material are on the Canadian DSL.

SARA 311/312 Categories:	Not hazardous.
SARA 313 Reportable ingredients:	None.
California Proposition 65:	This product does not contains any substances known to the State of California to cause cancer, birth defects, or other reproductive harm per the Safe Drinking Water and Toxic Enforcement Act of 1986.

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.