



Safety Data Sheet (SDS)

Revision / Review Date: 1/15/15

1. Chemical Product and Company Identification

Product Name:	Merrox P-6410
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:	Polyester Adipate/Polyester
Product Use:	Plasticizer
OSHA Status:	Non 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>	Not available.
<u>Signs and Symptoms of Exposure:</u>	Not available.
<u>Primary Routes of Entry:</u>	Not available.
<u>Medical Conditions Generally Aggravated by Exposure:</u>	Not available.
<u>Eye Contact:</u>	May cause slight eye irritation.
<u>Skin Contact:</u>	Repeated or prolonged skin contact may cause skin irritation.
<u>Ingestion:</u>	May upset digestive system.
<u>Inhalation:</u>	May cause dizziness.
<u>HMIS Hazard Ratings:</u>	Health-1 , Flammability -1 , Reactivity - 0
<u>HMIS limitation statement:</u>	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
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HB Chemical 1665 Enterprise Parkway Twinsburg, Ohio 44087

Phone 330-920-8023 Fax 330-920-0971

www.hbchemical.com

100%

Polyester Adipate

Proprietary

4. First Aid Measures

<u>Inhalation:</u>	Remove to fresh air; give artificial respiration or oxygen if necessary.
<u>Eyes:</u>	Flush eyes with water for 15 minutes. Call a physician if irritation develops.
<u>Skin:</u>	Wash skin with soap and water. If in contact with hot product, treat as a burn.
<u>Ingestion:</u>	Do not induce vomiting. Never give anything by mouth to unconscious person. Seek medical attention.

5. Fire-Fighting Measures

<u>Suitable Extinguishing Media:</u>	Use chemical foam, CO ₂ , Dry Chemical, water fog.
<u>Hazardous Combustion Products:</u>	This product will decompose under extreme temperatures forming oxides of carbon.
<u>Special Fire Fighting Procedures:</u>	Full eye protection and protective clothing are required for all indoor/outdoor fires and spills. Isolate fire and deny unnecessary entry. Use water spray to cool fire-exposed containers and fire-affected zone until fire is out. Fight fire from protected location or safe distance. Consider the use of unmanned hose holders or monitor nozzles. Move container from fire area if this is possible without hazard. Burning liquids may be moved by flushing with water to protect personnel and minimize property damage. Treat as burning oil. Keep drums as cool as possible to avoid expansion, explosions, and splattering.
<u>Unusual fire and explosion hazards:</u>	Not available.

6. Accidental Release Measures

<u>Steps to be taken in case material is spilled:</u>	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. Wash floor area with hot water solution. Remove contaminated clothing and wash before reuse. Wash affected skin areas with soap and water.
<u>Environmental Disposal Information:</u>	Keep spills and cleaning run-off out of municipal sewers and open bodies of water.
<u>Waste Disposal:</u>	All containers should be effectively labeled to facilitate the appropriate disposal or reclaim.

7. Handling and Storage

<u>Empty Containers:</u>	Send to approved container recycler.
<u>Precautions to be taken in handling:</u>	Avoid contact with skin and eyes. Wash thoroughly after handling.
<u>Storage:</u>	Containers should be kept tightly closed and stored in a dry well-ventilated place.

8. Exposure Controls / Personal Protection

<u>Exposure Controls:</u>	Not available.
<u>Respiratory Protection:</u>	Respirators should be selected when TWA exceeded. Avoid hot vapors when mixing or packaging
<u>Ventilation:</u>	Use only where sufficient ventilation exists to keep exposure levels of fumes and dust below recommended levels.
<u>Hand protection:</u>	Wear gloves.
<u>Eye Protection:</u>	Wear goggles.
<u>Skin and Body Protection:</u>	Wear impervious clothing.
<u>Other Precautions:</u>	Do not consume or store food in the work area. Wash hands before smoking or eating.
<u>Decontamination Facilities:</u>	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

<u>Physical Form:</u>	Viscous Liquid
<u>Appearance & Odor:</u>	Clear Light yellow/ mild odor
<u>Specific Gravity:</u>	@25°C = 1.09
<u>Solubility in Water:</u>	Insoluble
<u>Refractive Index:</u>	@ 25C 1.4645
<u>Flash Point, TAG CC F:</u>	288°C (550°F) COC
<u>Percent Volatiles (by weight):</u>	Not available.
<u>Evaporation Rate (Water ~ I):</u>	< 1 (butyl acetate=1)

<u>Viscosity cPs:</u>	25°C = 5,500
<u>Vapor Pressure (mm Hg):</u>	<0.001
<u>Vapor Density (Air ~ 1):</u>	Not available.
<u>Boiling Point (°F) Initial:</u>	>500° F >180°C
<u>Auto ignition Temperature, °C:</u>	Not available.
<u>Flammable Limits, %(V):</u>	Not available.
<u>Freezing point:</u>	5°C
<u>Melting Point:</u>	>15°C

10. Stability and Reactivity

<u>Stability:</u>	This product is stable under normal conditions.
<u>Incompatibility (Materials to Avoid):</u>	Material reacts with strong oxidizing agents, bases and acid.
<u>Conditions to Avoid:</u>	Extreme temperatures.
<u>Hazardous Polymerization:</u>	Hazardous polymerization will not occur.
<u>Hazardous decomposition:</u>	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.

<u>Dermal:</u>	LD50 (rabbits) > 2.0 g/kg
<u>Oral:</u>	LD50 (rats) > 5.0 g/kg
<u>Ingestion:</u>	Very low toxicity if swallowed. Harmful effects not anticipated from swallowing small amounts. LD50, Rat > 10,000 mg/kg.

12. Ecological Information

<u>Movement & Partitioning:</u>	Bioconcentration potential is low (BCF < 100 or Log Pow < 3). Potential for mobility in soil is low (Koc between 500 and 2000). Given its very low Henry's constant, volatilization from natural bodies of water or moist soil is not expected to be an important fate process.
<u>Persistence and Degradability:</u>	Biodegradation may occur under aerobic conditions (in the presence of oxygen).

13. Disposal Considerations

Material should be disposed of in accordance to current local and national regulations. Contacting a waste disposal service is recommended. The generation of waste should be avoided or minimized wherever possible. Incineration under approved, controlled conditions using incinerators suitable or designed for the disposal of hazardous chemical wastes, is the preferred method for disposal.

14. Transport Information

D.O.T. Shipping Name: Not regulated.

Air - ICAO (international Civil Aviation Organization): Not regulated.

Sea - IMDG (International Maritime Dangerous Goods): Not regulated.

15. Regulatory Information

All components of this material are on the TSCA Inventory.

All components of this material are on the Canadian DSL.

California Proposition 65: This product does not contain 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.

SARA 311, 312, 313: None.

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.