



Safety Data Sheet (SDS)

Revision / Review Date: 12/5/15

1. Chemical Product and Company Identification

Product Name:	Merrox P-6453
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
CAS No:	68583-87-9

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

Signal Word: Warning

Label elements:



Acute Oral Toxicity: Category 4

Hazard Statements: H302 - Harmful if swallowed

Precautionary Statements:

- P264 - Wash face, hands and any exposed skin thoroughly after handling
- P270 - Do not eat, drink or smoke when using this product
- P301 + P312 - IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell
- P330 - Rinse mouth
- P501 - Dispose of contents/container to in accordance with local regulations.

Signs and Symptoms of Exposure: Not available.

Primary Routes of Entry: Not available.

Medical Conditions Generally Aggravated by Exposure: Not available.

<u>Eye Contact:</u>	May cause mild eye irritation.
<u>Skin Contact:</u>	May cause mild skin irritation.
<u>Ingestion:</u>	Swallowing large amounts of this material may be harmful. This material can get into the lungs during swallowing or vomiting which results in lung inflammation and other lung injury.
<u>Inhalation:</u>	Breathing large amounts may be harmful. Symptoms are not expected at air concentrations below the recommended exposure limits.
<u>HMIS Hazard Ratings:</u>	Health- 1, Flammability - 1, Reactivity -0, Protection- B
<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
100%	Polyester Adipate/Complex Polyol Ester	68583-87-9

4. First Aid Measures

<u>Inhalation:</u>	Remove to fresh air; give artificial respiration or oxygen if necessary.
<u>Eyes:</u>	Flush eyes with copious quantities of water for 15 minutes. If symptoms persist or if there is any visual difficulty, consult physician.
<u>Skin:</u>	Remove contaminated clothing and launder it before reuse. Wash exposed area with soap and water. If irritation persists, consult a physician. If product is hot treat as a burn.
<u>Ingestion:</u>	Do not induce vomiting. Seek medical attention. If individual is unconscious, do not give anything by mouth.

5. Fire-Fighting Measures

<u>Suitable Extinguishing Media:</u>	Water fog, dry chemical, Carbon Dioxide CO2, Chemical foam.
<u>Special Fire Fighting Procedures:</u>	Full eye protection and protective clothing are required for all indoor/outdoor fires and spills. Treat as burning oil. Keep drums as cool as possible to avoid expansion, explosions, and splattering.

<u>Hazardous Combustion Products:</u>	This product will decompose under extreme temperatures forming oxides of carbon and organic acids.
<u>Unusual fire and explosion hazards:</u>	None known.

6. Accidental Release Measures

<u>Steps to be taken in case material is spilled:</u>	Wear appropriate protective equipment and gloves and clothing. Contain spill with inert absorbent or earth. Transfer to secure containers and dispose of according to local and state regulations. Thought should always be given to collecting the material in such a manner that it could be recycled. Clean/scrub affected area with detergent. Prevent run-off into sewers or natural waterways. 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.
<u>Environmental Disposal Information:</u>	Prevent run-off into sewers or natural waterways.
<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>	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.
<u>Precautions to be taken in handling:</u>	Perform drum and tote filling in well-ventilated area wearing protective eye shields and clothing.
<u>Storage:</u>	Store in a cool, dry, ventilated area. Keep containers closed when not in use.

8. Exposure Controls / Personal Protection

<u>Exposure Controls:</u>	Not available.
<u>Respiratory Protection:</u>	Respiratory protection approved by NIOSH/MSHA for protection against organic vapors should be used to avoid inhalation of excessive air contaminants.
<u>Ventilation:</u>	Use only when 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 safety glasses with side shield.

Skin and Body Protection:

Wear impervious clothing, boots and apron as appropriate.

Other Precautions:

Wash with soap and water before eating, drinking or using toilet facilities. Launder contaminated clothing before reuse.

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.

Chemical Name	CAS	ACGIH TLV-TWA	ACGIH TLV-STEL	OSHA PEL-TWA	OSHA PEL-STEL	Units
Complex Polyol Ester	68583-87-9	None	None	None	None	ppm

9. Physical and Chemical Properties

Physical Form:

Viscous Liquid

Appearance & Odor:

Clear / Mild

Melting Point:

<25°C

Specific Gravity:

25°C=1.09

Softening Point, R&B:

Not available

Solubility in Water:

Insoluble

Flash Point, TAG CC F:

288°C (550°F) COC

Percent Volatiles (by weight):

Not available

Evaporation Rate (Water ~ 1):

<1 (butyl acetate=1)

Vapor Pressure (mm Hg):

Not available

Vapor Density (Air ~ 1):

Not available

Boiling Point (°F) Initial:

Not available

Auto ignition Temperature, °C:

Not available

Flammable Limits, %(V):

Not available

Viscosity cPs:

25°C=5,500

Kinematic Viscosity (cSt):

KV@40°C-1,616.3

KV@100°C-117.4

10. Stability and Reactivity

Stability:

This product is stable under normal conditions.

Incompatibility (Materials to Avoid):

Material reacts with strong oxidizing agents and bases.

<u>Conditions to Avoid:</u>	Avoid extreme heat.
<u>Hazardous Polymerization:</u>	Will not occur.
<u>Hazardous Thermal Decomposition:</u>	No unusual decomposition products known.

11. Toxicological Information

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

Acute oral Toxicity LD50: LD50<2000g/kg³

Skin Irritation: UNKNOWN

Eye Contact: UNKNOWN

Sensitization: UNKNOWN

12. Ecological Information

No data provided for the environmental effects.

13. Disposal Considerations

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): Not restricted.

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

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: Non-hazardous.

SARA 313: No reportable ingredients.

Canada WHMIS Hazard Symbol and Class: Not regulated.

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.