



Safety Data Sheet (SDS)

Revision / Review Date: 12/8/14

1. Chemical Product and Company Identification

Product Name:	3800
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:	Triethylene glycol bis 2-ethylhexanoate/Glycol Esters
Molecular Formula:	C22H42O6
Molecular Weight via GPC, Mn:	402.57 g/mol
Product Use:	Plasticizer
OSHA Status:	Non hazardous
CAS No:	94-28-0

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>Eye Contact:</u>	May cause irritation.
<u>Skin Contact:</u>	May cause irritation.
<u>Ingestion:</u>	May cause gastrointestinal irritation with nausea, vomiting and diarrhea.
<u>Inhalation:</u>	May cause respiratory tract irritation.
<u>HMIS Hazard Ratings:</u>	Health- 1, Flammability - 1, Reactivity - 0, Personal- C
<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

Concentration	Component/ Chemical name	CAS Number
100%	Triethylene glycol bis(2-ethylhexanoate)	94-28-0

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>	Wash mouth out with water. Do not induce vomiting. Never give anything by mouth to unconscious person. Seek medical attention.

5. Fire-Fighting Measures

<u>Fire Fighting Procedures:</u>	Use chemical foam, CO ₂ , dry chemical, or water fog. Treat as burning oil.
<u>Hazardous Combustion Products:</u>	This product will decompose under extreme temperatures forming oxides of carbon.
<u>Protective equipment:</u>	Full eye protection and protective clothing are required for all indoor/outdoor fires and spills. Wear self-contained breathing apparatus for firefighting if necessary.

6. Accidental Release Measures

<u>Spill or leak precautions:</u>	Wear appropriate protective clothing, gloves and equipment. Avoid breathing vapors, mist or gas.
<u>Environmental Disposal Information:</u>	Prevent run-off into sewers or natural waterways.
<u>Methods for cleaning up:</u>	Soak up with inert absorbent material. If liquid has been spilt in large quantities clean up promptly by scoop or vacuum. Clean/scrub affected area with detergent.
<u>Waste Disposal:</u>	Keep in suitable, closed containers for disposal. Dispose of in accordance with local regulations.

7. Handling and Storage:

<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>	Keep container tightly closed in a dry and well-ventilated place.

8. Exposure Controls / Personal Protection

<u>Respiratory Protection:</u>	Respirators should be selected when TWA exceeded. Avoid hot vapors when mixing or packaging.
<u>Hand protective:</u>	Wear protective gloves.
<u>Eye Protection:</u>	Safety glasses with side shields.
<u>Skin and Body Protection:</u>	Boots, apron and impervious clothing, the type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.
<u>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>	Oily liquid
<u>Appearance & Odor:</u>	Lightly colored/ mild
<u>Specific Gravity:</u>	@25°C = 0.97
<u>Solubility in Water:</u>	<0.1%
<u>Flash Point, TAG CC F:</u>	196-210°C (410°F) COC
<u>Evaporation Rate (Water ~ 1):</u>	< 1 (butyl acetate=1)
<u>Melting Point:</u>	-50 °C
<u>Boiling Point (°C) Initial:</u>	344°C
<u>Auto ignition Temperature, °C:</u>	365 °C (689 °F) at 1,027 hPa (770 mmHg)

10. Stability and Reactivity

<u>Stability:</u>	Stable under normal conditions.
<u>Incompatibility (Materials to Avoid):</u>	Should be kept away from extreme heat, strong oxidizers and bases.
<u>Hazardous Decomposition Products:</u>	Carbon monoxide, carbon dioxide.

11. Toxicological Information

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

<u>Skin corrosion/irritation:</u>	Skin – rabbit. Result: Mild skin irritation (OECD Test Guideline 404).
<u>Eye damage/eye irritation:</u>	Eyes – rabbit. Result: Mild eye irritation (OECD Test Guideline 405).

12. Ecological Information

Detailed studies results show a potential to cause oxygen depletion in aqueous systems (high biochemical demand) and low potential to affect aquatic organisms.

<u>Toxicity to fish:</u>	Static test LC50 - Pimephales promelas (fathead minnow) - > 97 mg/l - 96 h.
<u>Toxicity to daphnia and other aquatic invertebrates:</u>	Static test EC50 - Daphnia magna (Water flea) - 38.7 mg/l - 48 h.
<u>Toxicity to algae:</u>	Static test EC50 - Desmodesmus subspicatus (green algae) - > 55.9 mg/l - 72h.

13. Disposal Considerations

Reclaim or Dispose of material in accordance with all applicable local, state, and federal regulations.

14. Transport Information

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

15. Regulatory Information

All components of this material are on the TSCA Inventory.
All components of this material are on the Canadian DSL.

New Jersey RTK Label Information:

2,2'-Ethylenedioxydiethyl bis(2-ethylhexanoate), CAS-No. 94-28-0

Pennsylvania RTK Label Information:

2,2'-Ethylenedioxydiethyl bis(2-ethylhexanoate), CAS-No. 94-28-0

California Prop. 65 Components:

This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

SARA:

No 311/312 hazards. No 302/313 components.

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.

HB Chemical 1665 Enterprise Parkway Twinsburg, Ohio 44087

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

www.hbchemical.com