



Safety Data Sheet (SDS)

Revision 1/ Review Date: 8/26/2020

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

OSHA Regulatory Status:

This chemical is not considered hazardous by the 2012 OSHA Hazard communication Standard (29 GFR 1910.1200)

Label elements

The product contains no substances which at their given concentration, are considered to be hazardous to health

Appearance Liquid	Physical Liquid	Odor Slight
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<u>Hazards not otherwise classified:</u>	None known
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<u>Unknown acute toxicity</u>	Not Applicable
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3. Composition / Information on Ingredients

Concentration	Component/ Chemical name	CAS Number
>99%	Triethylene glycol bis(2-ethylhexanoate)	94-28-0

4. First Aid Measures

<u>Inhalation:</u>	None under normal use conditions.
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<u>Eyes:</u>	Flush eyes with water for 15 minutes also under the eyelids. 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>	Get medical attention.

5. Fire-Fighting Measures

<u>Fire Fighting Procedures:</u>	Use chemical foam, CO2, dry chemical, or water spray.
<u>Specific hazards arising from the chemical:</u>	thermal decomposition can lead to release of irritating and toxic gases and vapors.
<u>Hazardous Combustion Products:</u>	In case of fire, may produce hazardous decomposition products such as carbon monoxide, carbon dioxide, I(dense) black smoke, aldehydes, organic acids.
<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. Use personal protective equipment as required. In the event of fire and/or explosion do not breathe fumes.

6. Accidental Release Measures

<u>Spill or leak precautions:</u>	Wear appropriate protective clothing, gloves and equipment.
<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>	Use personal protective equipment as required. Handle in accordance with good industrial hygiene and safety practice.
<u>Storage:</u>	Keep container tightly closed in a dry and well-ventilated place. Keep away from heat, sparks, flame and other sources of ignition. (i.e., pilot lights, electric motors and static electricity)

8. Exposure Controls / Personal Protection

Appropriate engineering controls

Engineering controls: Ensure adequate ventilation, especially in confined areas.

Respiratory Protection:

No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.

Skin and Body protective:

Wear protective gloves and protective clothing.

Eye Protection:

Safety glasses with side shields.

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:

Liquid

Appearance & Odor:

Lightly colored/ mild

Specific Gravity:

@20°C = 0.967

Solubility in Water:

<0.1%

Flash Point, TAG CC F:

196-210°C (410°F) COC

Evaporation Rate (Water ~ 1):

< 1 (butyl acetate=1)

Melting Point:

-50 °C

Boiling Point (°C) Initial:

344°C

Auto ignition Temperature, °C:

365 °C (689 °F) at 1,027 hPa (770 mmHg)

10. Stability and Reactivity

Stability:

Stable under normal conditions.

Conditions to Avoid:

Avoid overheating to minimize fume production.

Incompatible materials:

Strong oxidizing agents

Hazardous Decomposition Products:

thermal decomposition can lead to release of irritating and toxic gases and vapors.

11. Toxicological Information

Information on likely routes of exposure

Inhalation:

Avoid breathing vapors or mists

Eye contact

No data available.

Skin contact:

No data available.

Ingestion:

No data available.

Triethylene glycol bis(2-ethylhexanoate 94-28-0 Oral LD50 =31g/kg (Rat)

Information on toxicological effects

Symptoms No information available.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Sensitization/Germ cell mutagenicity/Carcinogenicity/ reproductive toxicity:

No information available.

Aspiration hazard: Not applicable.

12. Ecological Information

Ecotoxicity

Persistence and degradability

Bioaccumulation

Mobility

Other adverse effects: No information available.

13. Disposal Considerations

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

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

TSCA Complies

US Federal Regulations

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

SARA 311/312 Hazard Categories

Acute Health Hazard NO

Chronic Health Hazard NO

Fire hazard NO

Sudden release of pressure hazard NO

Reactive Hazard NO

US State Regulations

California Proposition 65

As formulated this product does not contain any Proposition 65 Chemicals

Other Regulations

EU Regulation (EC) No. 1907/2006 (REACH)

As formulated, this product does not contain any ingredients listed as an SVHC above 0.1%.

EU - Hazardous Substances Restricted or Prohibited in Electrical Equipment (2011/65/EU) (RoHS)

As formulated, this compound complies with the EU RoHS Directive (2011/65/EU) (RoHS 2) and does not contain any restricted materials above threshold levels. The RoHS directive restricts the use of Lead, Cadmium, Chrome VI, Mercury, PBBs and all PBDE materials.

Conflict Minerals

As formulated, the raw materials used in this product do not intentionally contain any of the "Conflict Minerals". Conflict Minerals consist of Gold, Columbite-Tantalite (Tantalum), Casserite (Tin), and Wolframite (Tungsten) that originate from the Democratic Republic of Congo or adjoining countries.

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.