



Safety Data Sheet (SDS)

Revision / Review Date: 12/11/14

1. Chemical Product and Company Identification

Product Name:	418T
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:	n-butyl oleate / Ester
Common name:	Butyl Oleate
Molecular Formula:	C22-H42-O2
Molecular Weight via GPC, Mn:	338.64
Product Use:	Plasticizer
OSHA Status:	Non hazardous
CAS No:	142-77-8

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>Emergency overview:</u>	A yellowish, oily liquid, which is not normally irritating to eyes and skin. Ingestion and prolonged contact should be avoided.
<u>Eye Contact:</u>	Can be irritating to mucous membranes and eyes.
<u>Skin Contact:</u>	May be mildly irritating to skin.
<u>Ingestion:</u>	May cause irritation to the digestive tract, nausea, vomiting or diarrhea.
<u>Inhalation:</u>	Mist may cause irritation of the nose, throat and respiratory system.
<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

HB Chemical 1665 Enterprise Parkway Twinsburg, Ohio 44087

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

www.hbchemical.com

Weight Percent / Typical	Component Identity	CAS Registry Number
100 %	n-butanol ester of oleic acid (Butyl Oleate)	142-77-8

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 persists.
<u>Skin:</u>	Remove contaminated clothing and 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, CO2, Dry Chemical and water spray.
<u>Special Fire Fighting Procedures:</u>	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.
<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. Fire fighters should wear self-contained breathing apparatus if risk of exposure to vapor or products of combustion.

6. Accidental Release Measures

<u>Steps to be taken in case material is spilled:</u>	Contain spills with absorbent material such as sand or soil. Collect and seal in properly labelled containers for disposal. For small spills, wash with plenty of water.
<u>Personal protection:</u>	Wear a self-contained breathing apparatus, rubber boots and gloves, and disposable coveralls. Dispose of coveralls after use.
<u>Environmental Disposal Information:</u>	Prevent run off into drains and waterways.
<u>Waste Disposal:</u>	Dispose of in accordance with all Local, State and Federal regulations at an approved waste disposal site.

7. Handling and Storage:

<u>Precautions to be taken in handling:</u>	Avoid skin and eye contact. Wash hands after using product.
<u>Storage:</u>	Store in the closed original container in a cool, well-ventilated area.

8. Exposure Controls / Personal Protection

<u>Respiratory Protection:</u>	Use a NIOSH approved respirator when exposure limits are exceeded or if irritation or other symptoms are experienced.
<u>Ventilation:</u>	Use only where sufficient ventilation exists to keep exposure levels of fumes and dust below recommended levels. Ensure adequate ventilation to keep exposure levels to a minimum.
<u>Hand protection:</u>	Wear gloves.
<u>Eye Protection:</u>	Wear safety goggles.
<u>Skin and Body Protection:</u>	Wear impervious clothing, boots and apron.
<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>	Oily liquid
<u>Appearance & Odor:</u>	Yellow
<u>Specific Gravity:</u>	@25°C = 0.87
<u>Flash Point, TAG CC F:</u>	> 150 C
<u>Evaporation Rate (Water ~ 1):</u>	< 1 (butyl acetate=1)
<u>Boiling Point (°F) Initial:</u>	> 200 C
<u>Melting Point:</u>	-26.4°C (-15.5°F)

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 and bases.
<u>Conditions to Avoid:</u>	Extreme heat.
<u>Hazardous Polymerization:</u>	Hazardous polymerization will not occur.

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

In accordance with local authority regulations, take to special waste incineration plant. If empty contaminated containers are recycled or disposed of, the receiver must be informed about possible hazards.

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.

SARA 302, 311, 312, 313: Not listed.

New Jersey RTK Label Information:

Butyl oleate, CAS-No. 142-77-8

Pennsylvania RTK Label Information:

Butyl oleate, CAS-No. 142-77-8

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.