



Safety Data Sheet (SDS)

Revision 1 / Review Date: 08/20/2020

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>Classification of the chemical:</u>	This material is not classified as hazardous under US OSHA regulation.
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Label Elements

<u>Signal word/ Hazard Statement/Precautionary:</u>	None required
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<u>Emergency overview:</u>	A yellowish, oily liquid, which is not normally irritating to eyes and skin. Ingestion and prolonged contact should be avoided.
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<u>HMIS Hazard Ratings:</u>	Health-1, Flammability -1 , Reactivity -0, Personal- C
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<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.
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3. Composition / Information on Ingredients

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 5 minutes holding eyelids open. 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>	If gastro-intestinal symptoms develop, consult medical personnel. Do not induce vomiting. Never give anything by mouth to unconscious person. Seek medical attention.

5. Fire-Fighting Measures

<u>Flash Point:</u>	>180 C (>356F) (COC)
<u>Autoignition Temperature:</u>	ND
<u>Suitable Extinguishing Media:</u>	CO2, Dry Chemical and water.
<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>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.
<u>Unusual fire Hazards:</u>	None Known.

6. Accidental Release Measures

<u>Steps to be taken in case material is spilled:</u>	Wipe, sweep, and /or scrape up and contain for salvage and/or disposal. Use absorbent materials such as towels, vermiculite, sand or dirt. Final cleaning may require use of steam or detergents. Dispose of saturated materials appropriately, following applicable local, state and federal laws and regulations
<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, waterway or into the ground.

Waste Disposal:

Dispose of in accordance with all Local, State and Federal regulations at an approved waste disposal site.

7. Handling and Storage:

Precautions to be taken in handling:

Avoid skin and eye contact. Wash hands after using product. Do not drag drums. Grounding of drums when discharging may be necessary.

Storage:

Do not store near oxidizing agents. Store away from sources of open flames and excessive heat.

8. Exposure Controls / Personal Protection

Respiratory Protection:

Consult an industrial hygienist and/or safety officer for specific situations and use.

Engineering Controls:

Use engineering controls to maintain airborne level below exposure limit requirements or guidelines. If there are no applicable exposure limit requirements or guidelines, use only with adequate ventilation. Local exhaust ventilation may be necessary for some operations.

Eye Protection:

Safety glasses, goggles or face shield recommended to protect eyes from mists and splashing. An industrial hygienist and/or safety officer should be consulted for specific situations and use

Skin and Body Protection:

Use of Nitrile rubber gloves of adequate thickness and coverage is recommended. An industrial hygienist and /or safety officer should be consulted for specific situations and use

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.

Hygiene Measures:

Handle in accordance with good hygiene and safety practices. Use appropriate PPE. Wear impervious clothing when handling. Wash hands before breaks and at end of workday

9. Physical and Chemical Properties

Physical Form:

Oily liquid

Appearance & Odor:

Pale Yellow

Specific Gravity:

@25°C = 0.87

Viscosity:

12 cPs @ 25 °C **pH:6 - 8**

Flash Point (method used):

>180°C, (>356°F) (COC)

Flammable Limits (LEL and UEL):

ND

Flash Point, TAG CC F:

> 150 C

Evaporation Rate (Water ~ I):

ND

Boiling Point (°F) Initial:	> 223 C
Melting Point:	<0 C
Volatile Content:	ND

10. Stability and Reactivity

<u>Stability:</u>	This product is stable under normal conditions.
<u>Incompatibility (Materials to Avoid):</u>	Strong oxidizers, acids and alkalis
<u>Conditions to Avoid:</u>	Do not store near sources of open flames or excessive 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

<u>General Information:</u>	Do not discharge to drains, water courses or onto ground. Discharge, treatment, or disposal may be subject to national, state, or local laws. Empty containers may contain product residues.
<u>Disposal Methods:</u>	Dispose of material and containers in a safe manner in compliance with local, state and federal laws and regulations.
<u>Container:</u>	Since emptied containers retain product residue, follow label warnings even after container is emptied. Consult local, state and federal laws and regulations before recycling or reusing container.

14. Transport Information

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

15. Regulatory Information

OSHA Hazards: None

TSCA Status: All components of this material are included on or exempted from listing on the TSCA Inventory of Chemical Substances.

EPA SARA Title III Chemical Listings

Section 302 Extremely Hazardous Substances (40 CFR 355): None.

Section 304 CERCLA Hazardous Substances (40 CFR 302): None.

Section 311/312 Hazard Class (40 CFR 370):

Acute: None

Chronic: None

Fire: None

Pressure: None

Reactive: None

Section 313 Toxic Chemicals (40 CFR 372): None

Supplemental State Compliance Information

Massachusetts: None

Pennsylvania: None

New Jersey: None

California Prop. 65: None

16. Other Information

	HEALTH HAZARD	FLAMMABILITY	PHYSICAL HAZARD	PERSONAL PROTECTION
HMIS	1	1	0	B

	HEALTH HAZARD	FIRE HAZARD	INSTABILITY	SPECIAL HAZARD
NFPA	1	1	0	

Hazard Rating: 0 = Minimal; 1 = Slight; 2 = Moderate; 3 = Serious; 4 = Severe
Minimal; 1 = Slight; 2 = Moderate; 3 = Serious; 4 = Severe

Hazard Rating: 0 =

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.