

Safety Data Sheet

Urethane Reducer

SECTION I - IDENTIFICATION

	C.E. BRADLEY LABORATORIES, INC. 55 BENNETT DRIVE BRATTLEBORO, VT 05301 (802) 257-7971 CHEMTEL CONTRACT MIS00015 (800) 255-3924
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Product Number 26817
Product Name Urethane Reducer
Chemical Family Ester
CAS Number 123-86-4
Date Prepared 6/22/2016
Revision Number 6/22/2016
Recommended Use Paints and coatings

SECTION II - HAZARDOUS IDENTIFICATION

GHS CLASSIFICATION:

Classification

Flammable Liquids	Category 3
Specific target organ toxicity, single exposure, N	Category 3
Hazardous to the aquatic environment, acute hazard	Category 3

WARNING!

GHS LABEL:



Hazard Statements

H226	Flammable liquid and vapor
H336	May cause dizziness or drowsiness
H402	Harmful to aquatic life

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Precautionary Statements

P210	Keep away from heat, hot surfaces, sparks, open flames, and other ignition, sources. No smoking.
P233	Keep container tightly closed.
P240	Ground/bond container and receiving equipment.
P241	Use explosion-proof electrical/ventilating/light...]/ equipment, etc.
P242	Use only non-sparking tools.
P243	Take precautionary measures to prevent static discharge.
P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
P271	Use only outdoors or in a well-ventilated are.
P273	Avoid release to the environment.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P303+361+353	IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water or shower.
P304+340	IF INHALED: Remove victim to fresh air and keep comfortable for breathing.
P312	Call a POISON CENTER or a doctor/physician if you feel unwell.
P370+378	In case of fire: Use..... to extinguish.
P403+233	Store in a well ventilated place. Keep container tightly closed.
P403+235	Store in a well ventilated place. Keep cool.
P405	Store locked up.
P501	Dispose of contents/container to...

SECTION III - COMPOSITION/INFORMATION ON INGREDIENTS

The precise composition of this product is proprietary information. In the event of a medical emergency, a complete disclosure will be provided to medical personnel.

Component Name	CAS #	Component%	OSHA PEL	ACGIH TLV
n-Butyl Acetate	123-86-4	100	150 ppm	150 ppm

SECTION IV - FIRST AID MEASURES

Contact with eyes: Flush with water for 15 minutes. Seek prompt medical attention.

Skin contact: Wash exposed areas with water and mild soap. Remove contaminated clothing and launder before reuse. If irritation persists, seek medical attention.

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- Inhalation:** Remove victim to fresh air. Administer oxygen or artificial respiration if breathing is affected or stopped. Seek immediate medical attention.
- Ingestion:** Dilute with two glasses of water unless victim is unconscious or very drowsy. Consult a doctor, hospital or poison control center or transport to an emergency facility immediately.
If vomiting occurs, keep head below hips to prevent aspiration into lungs.

SECTION V - FIREFIGHTING MEASURES

- Suitable Extinguishing Media:** Water fog, foam, CO₂, dry chemical; water stream may spread the fire.
- Special Fire Fighting Procedures** Use self-contained breathing apparatus and full bunker gear in fire areas. Evacuate all unprotected personnel from area. Keep containers cool with water fog to minimize swelling taking care not to spread flames with water used for cooling.
- Unusual Fire Fighting Hazards:** Ground containers while pouring and limit free fall to a few inches to prevent static ignition.
Product is flammable and may be ignited by heat, sparks, flames or other sources of ignition (e.g., static electricity, pilot lights or mechanical/electrical equipment). Vapors are heavier than air and may accumulate in low areas.
Avoid possible spontaneous combustion by proper disposal.

SECTION VI - ACCIDENTAL RELEASE MEASURES

- Personal Precautions:** Evacuate all unprotected personnel from the area.
See Section 8 for personal protection information.
- Environmental Precautions:** Contain spill if it can be done with minimal risk. Prevent liquid from entering drains, sewers or waterways. Notify proper authorities.
- Methods for Cleaning Up:** Large spills: Evacuate area and shut off spill if safe to do so. Dike area to contain spill. Soak up residue with clay or other absorbent. Place in container for proper disposal. Flush area with water and dispose of this in the same manner.
Small spills: Take up with absorbent; place in non-leaking containers. Seal tightly for proper disposal.

SECTION VII - HANDLING AND STORAGE

- Handling and Storage:**
- Empty containers can retain residue and/or vapors and may be dangerous. Do not cut, weld, braze solder, drill, grind or expose such containers to heat, flames, sparks, or other ignition sources.
 - Avoid prolonged breathing of mist or vapor. Wash thoroughly after handling. Vent container carefully before opening. Bond and ground all equipment when transferring from one vessel to another. The use of explosion-proof equipment is recommended. "Empty" containers retain residue and/or vapor and may be dangerous. Do not cut, weld, braze solder, drill, grind or expose such containers to heat, flames, sparks, or other ignition sources. Keep containers tightly closed when not in use.

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- Use with adequate ventilation. Do not breathe mist or vapor. Observe good industrial hygiene practices. Store in a cool, dry, well-ventilated place. Keep from freezing. Do not leave unsealed.

SECTION VIII - PRECAUTIONS TO CONTROL EXPOSURE / PERSONAL PROTECTION

EXPOSURE LIMITS:

Component Name	CAS #	OSHA PEL	ACGIH TLV
n-Butyl Acetate	123-86-4	150 ppm	150 ppm

Engineering Controls: Use adequate local or mechanical ventilation to maintain good air quality and reduce vapor and mist levels below any applicable exposure limits.

Monitoring: Follow accepted work practices for handling a flammable material.
Do not eat, drink or smoke in areas where this product is used or stored.
Wash thoroughly with soap and water after task or shift, when using the restroom or before eating.

Personal Protective Equipment (PPE)

Eye Protection: Wear goggles, glasses or other protection appropriate to the work assignment. Use face shield if splashing can occur such as when pouring large amounts.

Skin Protection: Solvent resistant gloves and other PPE as determined by the work assignment.

Respiratory Protection: Use the proper respirator in areas where the chemical exposure is unknown or above the OSHA PEL or ACGIH TLV.

SECTION IX - PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Clear liquid
Odor	Fruity
pH@25°C	Not Applicable
Melting/Freezing Point	Not Determined
Flashpoint	73 °F
Specific Gravity	0.88
Solubility	Slight
Auto-Ignition Temperature	Not Determined
Decomposition Temperature	Not Determined
VOC Content	7.35
Odor Threshold	Not Determined
Boiling Range	255-257 °F
Evaporation Point	Not Determined
Flammable Limits - Upper	Not Determined
Flammable Limits - Lower	Not Determined
Vapor Pressure	Not Determined
Vapor Density (Air=1)	>1
Viscosity	Not Determined

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SECTION X - STABILITY AND REACTIVITY

Stability:	Stable
Conditions to Avoid:	Sparks, fire, and high temperatures; static discharge. Strong oxidizing agents
Hazardous Decomposition/Byproducts:	CO and CO ₂ and unidentified organic compounds may form during combustion.
Hazardous Polymerization:	Will not occur.
Polymerization Conditions to Avoid:	None
Incompatibilities:	Strong oxidizers.

SECTION XI - TOXICOLOGICAL INFORMATION

Likely Route of Exposure:	Skin, eyes and inhalation.
Inhalation:	May cause irritation to the upper respiratory tract and CNS depression.
Eye Contact:	Causes eye irritation including stinging, watering and redness which may result in corneal injury.
Skin Contact:	Repeated or prolonged contact can lead to defatting and drying of the skin and dermatitis. Contact may cause skin irritation including redness, burning and drying/cracking of the skin.
Ingestion:	May cause gastrointestinal irritation with possible nausea, vomiting and diarrhea.
Acute Toxicity Value:	Symptoms of CNS depression include dizziness, nausea, and a feeling of intoxication. Symptoms of eye irritation include pain, tearing, reddening and swelling. Skin irritation symptoms include rash and redness. Symptoms of respiratory irritation include runny nose, sore throat, cough, chest discomfort, shortness of breath and reduced lung function.
Chronic (Long Term) Effects:	Repeated exposure may aggravate any short term effects.
Toxicity:	

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Component Name	LD50	LC50
n-Butyl Acetate	Oral- Mouse- 6gm/kg; oral-rabbit- 3200 mg/kg; oral-rat-	inhalation- mouse- 6 gm/m3/2H; inhalation-rat-390ppm/4H

Reproductive Effects	Not Applicable
Teratogenicity	Not Applicable
Mutagenicity	Not Applicable
Embryotoxicity	Not Applicable
Sensitization to Product	Not Applicable
Synergistic Products	Not Applicable
Carcinogenicity	No components are found to be carcinogens by NTP, IARC or OSHA.

SECTION XII - ECOLOGICAL INFORMATION

Ecotoxicity:	Specific environmental tests have not been conducted on this mixture. The product is classified in Section 2 as an environmental hazard based on its main components.
Mobility:	Information not available.
Degradability:	Information not available.
BioAccumulation:	Information not available.

SECTION XIII - WASTE DISPOSAL CONSIDERATIONS

Dispose of contents and container in accordance with local, state/provincial and federal regulations.

SECTION XIV - TRANSPORT INFORMATION

DOT SHIPPING INFORMATION

Proper Shipping Name: Flammable Liquid
Contains: Butyl Acetate
Hazard Class and Label:
Identification Number:
Packaging Group: II
Other Shipping Info:

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SECTION XV - REGULATORY INFORMATION

TSCA STATUS:..... The components of this product are listed on the TSCA Inventory

SARA TITLE III SECTION 302/304 EXTREMELY HAZARDOUS SUBSTANCE:

No chemicals in this material are subject to the reporting requirements.

SARA TITLE III SECTION 311/312 HAZARD CATEGORIZATION:

Acute	Chronic	Fire	Pressure	Reactive
N/A	X	X	N/A	N/A

SARA TITLE III SECTION 313 SUPPLIER INFORMATION:

Component Name	CAS #	% by wt.
Butyl Acetate	123-86-4	100

CERCLA SECTION 102(a) HAZARDOUS SUBSTANCE:

Component Name	CAS #	% by wt.	RQ (lbs.)
ButylAcetate	123-86-4	100	5,000

CALIFORNIA PROPOSITION 65:

No chemicals in this material are subject to the reporting requirements.

SECTION XVI - OTHER INFORMATION

HMIS Health: 1

HMIS Flammability: 3

HMIS Reactivity: 1

Additional:

Specification Information

Department issuing data sheet: H&S

Email address: info@cebradley.com

Training necessary: no

Disclaimer:

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