

SECTION 1 - PRODUCT AND COMPANY INFORMATION

Product Name: : Blue Thunder
 Product Use: : Heavy Duty Liquid Cleaner
 Supplier Name and Address: : Corporate Facility Supply
 7 Neilson Street
 St. Catharines, ON L2M 5V9

 Telephone: : (905) 682-8888
 Emergency Telephone: : CANUTEC (613) 996-6666

SECTION 2 - HAZARD IDENTIFICATION

EMERGENCY OVERVIEW

Physical State: Liquid
GHS Classification: Category 1
 Skin Irritation: Category 2A
 Eye Irritation: Category 3
 Acute Toxicity:
GHS Label Elements:
 Hazard Pictograms



Signal Word: Danger
Hazard Statements: H302 Harmful if swallowed
 H312 Harmful in contact with skin
 H318 Causes serious eye damage

Precautionary Statements:
Prevention
 P102 Keep out of reach of children
 P262 Do not get in eyes, on skin, or on clothing
 P284 In case of inadequate ventilation wear respiratory protection

Response
 P302 IF ON SKIN: Flush with plenty of water for at least 15 minutes
 P305 IF IN EYES: Flush with plenty of water for at least 15 minutes
 P332+P313 If skin irritation persists, get medical attention

Potential Health Effects:
 Inhalation : Inhalation of mist or spray may cause irritation or burns. Exposures higher than the recommended limits over long periods of time may cause chronic irritation of nose, throat, and bronchial passages.
 Skin : Corrosive to the skin. Blood cell hemolysis, narcosis, and kidney damage may occur.
 Eyes : Contact can result in pain, redness, and watering. Corneal damage is possible if not promptly treated.
 Ingestion : Harmful or fatal if swallowed. May burn mouth, throat, and stomach.

Aggravated Medical Condition
Symptoms of Overexposure

: None known
: Prolonged skin contact may cause dermatitis. Liver or kidney damage is possible

SECTION 3 - COMPOSITION/ INFORMATION ON INGREDIENTS

HAZARDOUS INGREDIENTS

Chemical Name	CAS-No.	Concentration [%]
2-Butoxyethanol	111-76-2	8
Fatty Alcohol Ethoxylate	Not Available	2
Sodium Metasilicate Pentahydrate	6834-92-0	1-3
Sodium Hydroxide	1310-73-2	1-5

SECTION 4 - FIRST-AID MEASURES

- General Advice** : Move out of dangerous area.
Consult a physician.
Show this Safety Data Sheet to the doctor in attendance.
- Inhalation** : Move victim to fresh air. Give artificial respiration only if breathing has stopped. Give cardiopulmonary resuscitation (CPR) if there is no breathing and no pulse. Obtain medical attention immediately.
- Skin Contact** : Immediately flush with cool water for 15 minutes while removing contaminated clothing and shoes. Discard or wash well before reuse. May be neutralized with sodium bicarbonate, Epsom salts, or vinegar. Seek medical attention if irritation develops/persists.
- Eye Contact** : If a contact lens is present, DO NOT delay irrigation or attempt to remove the lens. Rinse with water. Immediately flush with cool water. Remove contact lenses, if applicable, and continue flushing for 15 minutes. Seek medical attention if irritation develops and/or persists.
- Ingestion** : Do not induce vomiting. Rinse mouth with water then drink one or two glasses of water. Seek medical attention, or contact poison control centre immediately. Never give anything by mouth if victim is unconscious, is rapidly losing consciousness or is convulsing. If vomiting occurs, keep head low so that stomach content doesn't get into the lungs. IF SWALLOWED: immediately call a POISON CENTRE or doctor/physician.

SECTION 5 - FIRE-FIGHTING MEASURES

Suitable extinguishing media	: Alcohol foam, carbon dioxide, dry chemical
Specific hazards arising from the chemical	: None known
Special protective actions for fire-fighters	: None
Additional advice	: None

SECTION 6 - ACCIDENTAL RELEASE MEASURES

Personal precautions	: Wear appropriate protective equipment.
Environmental precautions	: Prevent entry into sewers or streams. Dike if needed. The bacteria and carriers are naturally occurring and should not pose an environmental risk.
Methods and materials for containment/cleaning up	: Absorb the remaining material with sand, vermiculite or other absorbent material. Vacuum or sweep up avoiding generation of mist. Place in suitable labeled containers and hold for waste disposal. Wash spill site with water.
Additional advice	: None

SECTION 7 - HANDLING AND STORAGE

Precautions for safe handling	: Use of nitrile gloves and eye protection is optional.
Conditions for safe storage	: Keep out of reach of children. Do not freeze. Store in a closed container away from incompatible materials as provided in Section 10.
Other data	: Do not freeze.

SECTION 8 - EXPOSURE CONTROLS/ PERSONAL PROTECTION

Control parameters	: Not available
Engineering Controls	: Normal building ventilation is adequate. Ensure that eyewash stations and safety showers are close to the workstation location
Personal Protective Equipment	
Eye/face protection	: Safety glasses with side shields when there is potential for eye contact. Face shield also recommended for handling large amounts. Contact lenses should not be worn
Hand protection	: Nitrile or rubber gloves are recommended
Skin protection	: Protective coveralls or thick clothing that covers exposed skin
Respiratory protection	: Wear a NIOSH/MSHA approved air-purifying respirator equipped with chlorine cartridges when vapours reach high levels
Hygiene measures	: Handle in accordance with good industrial hygiene and safety practice When using do not eat or drink When using do not smoke Wash hands before breaks and at the end of the workday

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	: Blue liquid
Odor:	: None
Odor Threshold:	: Not available
pH:	: 12.5-13.2
Melting point/ freezing point:	: 0 °C
Initial boiling point and boiling range:	: 100 °C
Flash point:	: >120 °C
Evaporation rate:	: Not available

Flammability (solid, gas):	: Not available
Upper/lower flammability or explosive limits:	: Not available
Vapour pressure:	: Not available
Vapour density:	: Not available
Relative density (g/mL):	: 1.08
Water solubility:	: Not available
Solubility in other solvents:	: Not available
Partition coefficient: n-octanol/water:	: Not available
Auto-ignition temperature:	: Not available
Decomposition temperature:	: Not available
Viscosity:	: As water

SECTION 10 - STABILITY AND REACTIVITY

Reactivity	: Product is stable
Chemical Stability	: Stable under normal conditions
Possibility of hazardous reactions	: Hazardous decomposition products are not known
Conditions to avoid	: Avoid contact with oxidizing chemicals.
Incompatible materials	: Strong oxidizing agents
Hazardous decomposition products	: Not available

SECTION 11 - TOXICOLOGICAL INFORMATION

Product Information

Acute toxicity	: LD50 Not available
Skin Corrosion/ Irritation	: Not available
Serious eye damage/irritation	: Not available
Respiratory or skin sensitization	: Not available
Germ cell mutagenicity	: Not available
Carcinogenicity	: Not available
Reproductive toxicity	: Not Available
STOT-single exposure	: Not available
STOT-repeated exposure	: Not available
Aspiration hazard	: Not available

Toxicology Data for Ingredients

2-Butoxyethanol

Acute toxicity	: LD50 (oral, rat) 470 mg/kg LD50 (dermal, rat) 220 mg/kg TLV 25 ppm skin LC50 (inhalation, rat) 450 ppm/4hr
Skin irritation	: Not available
Eye irritation	: Not available
Sensitization	: Not available

Fatty Alcohol Ethoxylate

Acute toxicity	: LD50 (dermal, rabbit) >2000 mg/kg LD50 (oral, rat) 2500 mg/kg
Skin irritation	: Causes skin irritation
Eye irritation	: Causes serious eye damage
Sensitization	: Respiratory: Not available.
	Skin: No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.

SECTION 12 - ECOLOGICAL INFORMATION

Product Information:

Toxicity: : Not available

Persistence and degradability: : Not available

Bioaccumulative potential: : Not available

Mobility in soil: : Not available

Other adverse effects: : Not available

Toxicology Data for Ingredients:

2-Butoxyethanol

Toxicity: : LC50 Not available

LC50 Not available

Persistence and degradability: : Not available

Bioaccumulative potential: : Not available

Mobility in soil: : Not available

Other adverse effects: : Not available

Fatty alcohol ethoxylate

Toxicity: : LC50 Not available

LC50 Not available

Persistence and degradability: : Not available

Bioaccumulative potential: : Not available

Mobility in soil: : Not available

Other adverse effects: : Not available

SECTION 13 - DISPOSAL CONSIDERATIONS

Product

: Sanitary sewer or dry absorbent if available.

For large quantities, contact local environmental department or government authorities

Do not dispose in drains, waterways, or soil

Do not contaminate ponds, or ditches with chemical or the used container

SECTION 14 - TRANSPORT INFORMATION

UN Number : UN3266

UN Proper Shipping Name : Corrosive liquid basic inorganic (Sodium hydroxide/sodium metasilicate)

Transport hazard class(es) : 8

Packing group, if applicable : III

Environmental hazards : Not available

Special precautions for user : Not Available

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code : Not applicable

SECTION 15 - REGULATORY INFORMATION

WHMIS Status : Not known

WHMIS classification : Not known

SECTION 16 - OTHER INFORMATION

Prepared by: Technical Services
Telephone number: (905) 682-8888

Preparation date: January 2018

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