

# SAFETY DATA SHEET

## Blue Thunder

### SECTION 1 - PRODUCT AND COMPANY INFORMATION

Product Name:	Blue Thunder
Product Use:	Heavy Duty Liquid Cleaner
Supplier Name and Address:	Corpack Canada 16 Seapark Drive, St. Catharines, ON L2M 6S6
Telephone:	: (905) 682-8888
Emergency Telephone:	: CANUTEC (613) 996-6666

### SECTION 2 - HAZARD IDENTIFICATION

#### EMERGENCY OVERVIEW

<b>Physical State:</b>	Liquid
<b>GHS Classification:</b>	
Skin Irritation:	Category 1
Eye Irritation:	Category 2A
Acute Toxicity:	Category 3

**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:	<p><b>Prevention</b></p> <p>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</p> <p><b>Response</b></p> <p>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</p>
---------------------------	---

**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.

# SAFETY DATA SHEET

## Blue Thunder

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.

# SAFETY DATA SHEET

## Blue Thunder

### SECTION 5 - FIRE-FIGHTING MEASURES

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

### SECTION 6 - ACCIDENTAL RELEASE MEASURES

<b>Personal precautions</b>	: Wear appropriate protective equipment.
<b>Environmental precautions</b>	: Prevent entry into sewers or streams. Dike if needed. The bacteria and carriers are naturally occurring and should not pose an environmental risk.
<b>Methods and materials for containment/cleaning up</b>	: 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.
<b>Additional advice</b>	: None

### SECTION 7 - HANDLING AND STORAGE

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

### SECTION 8 - EXPOSURE CONTROLS/ PERSONAL PROTECTION

<b>Control parameters</b>	: Not available
<b>Engineering Controls</b>	: Normal building ventilation is adequate. Ensure that eyewash stations and safety showers are close to the workstation location
<b>Personal Protective Equipment</b>	
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

<b>Appearance:</b>	: Blue liquid
<b>Odor:</b>	: None

# SAFETY DATA SHEET

## Blue Thunder

<b>Odor Threshold:</b>	: Not available
<b>pH:</b>	: 12.5-13.2
<b>Melting point/ freezing point:</b>	: 0 °C
<b>Initial boiling point and boiling range:</b>	: 100 °C
<b>Flash point:</b>	: >120 °C
<b>Evaporation rate:</b>	: Not available
<b>Flammability (solid, gas):</b>	: Not available
<b>Upper/lower flammability or explosive limits:</b>	: Not available
<b>Vapour pressure:</b>	: Not available
<b>Vapour density:</b>	: Not available
<b>Relative density (g/mL):</b>	: 1.08
<b>Water solubility:</b>	: Not available
<b>Solubility in other solvents:</b>	: Not available
<b>Partition coefficient: n-octanol/water:</b>	: Not available
<b>Auto-ignition temperature:</b>	: Not available
<b>Decomposition temperature:</b>	: Not available
<b>Viscosity:</b>	: As water

### SECTION 10 - STABILITY AND REACTIVITY

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

# SAFETY DATA SHEET

## Blue Thunder

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



# SAFETY DATA SHEET

## Blue Thunder

Page 6 of 6

### 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

NOTICE: The data and information presented herein are based upon tests, research and reports which are considered by us to be reliable and believed to be accurate. The data and information are presented without warranty, guarantee or liability on our part, and are presented to the customer for his own consideration, investigation and verification. If user requires independent information on ingredients in this or any other material, we recommend contact with Canadian Centre for Occupational Health and Safety (CCOHS) in Hamilton, Ontario (905 572-4400)