

# SAFETY DATA SHEET

## Liquid Carpet Detergent

### SECTION 1 - PRODUCT AND COMPANY INFORMATION

Product Name:	Liquid Carpet Detergent
Product Use:	Carpet Cleaning Solution
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
<b>GHS Label Elements:</b>	
Hazard Pictograms	



Signal Word:	Danger
Hazard Statements:	H302 Harmful if swallowed H312 Harmful in contact with skin H318 Causes serious eye damage
Precautionary Statements:	<b>Prevention</b> 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 <b>Response</b> 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
<b>Potential Health Effects:</b>	
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.



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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 : None known

Symptoms of Overexposure : 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 [%]
Anionic Surfactant	5324-84-5	9
Propylene glycol monomethyl ether	107-98-2	3
Ethylene-diamine-tetra-acetic acid	64-02-8	3
Sodium Carbonate	207-838-8	2

### 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



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**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:** : Aqua 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

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<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**

**Anionic Surfactant**

Acute toxicity	: LD50 (oral, rat) >5000 ml/kg Expected to be a low hazard for usual industrial or commercial handling by trained personnel.
Skin irritation	: Not available
Eye irritation	: Not available
Sensitization	: Not available

**Propylene Glycol monomethyl ether**

Acute toxicity	: LD50 oral, rat: 4016 mg/kg High doses may cause CNS depression (fatigue, dizziness and possibly loss of concentration, with collapse, coma and death in cases of severe over-exposure)
	LC50 inhalation, rat: 27.596 mg/l 6 hours Exposure to vapour may cause irritation of the eyes, nose, or throat. Exposure to very high concentrations of aerosols may cause CNS depression.

LD50 skin, rabbit: 2000 mg/kg

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Propylene glycol monomethyl ether (PGME) exhibits a low acute toxicity hazard after exposure via ingestion, skin contact, or inhalation exposure. Exposure to vapours of PGME may cause irritation of the eyes, nose, or throat. PGME is not a skin sensitizer. PGME is, at most, mildly irritating to the skin and only slightly irritating to the eyes. Repeated exposure studies in animals indicate that PGME may cause sedation, enlarged liver, minor kidney changes, and decreased body weight gain during prolonged or high exposures. Reproductive effects observed in animal studies appear to be related to a decrease in maternal body weights and secondary to nutritional stress. PGME is not teratogenic. PGME is not genotoxic in standardized in vivo tests. Studies in laboratory animals indicate that PGME is not carcinogenic.

Skin irritation : Not a skin irritant  
 Eye irritation : Not an eye irritant  
 Sensitization : Not sensitizing

**Ethylene diamine tetra acetic acid**  
 Acute toxicity

: LD50 oral: 1780 mg/kg  
 LD50 inhalation: 1000-5000 mg/m<sup>3</sup> 4 hours  
 LC50 Not available

Skin irritation : Not irritating to the skin and respiratory tract  
 Eye irritation : Irritating to the eyes  
 Sensitization : This substance is not considered a dermal sensitizer based on data with a related product.

**Sodium Carbonate**  
 Acute toxicity

: LD50 oral, rat: 4090 mg/kg  
 LC50 inhalation, rat: 5750 mg/l 2 hours

Skin irritation : Rabbit, mild skin irritation - 24 hours  
 Eye irritation : Rabbit, eye irritation - 24 hours  
 Sensitization : Not available

**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:**

**Anionic Detergent**

Toxicity: : LC50 Bluegill (*Lepomis macrochirus*): >1400 mg/l Static 96 hours  
 LC50 Not available

Persistence and degradability: : Not available  
 Bioaccumulative potential: : Not available  
 Mobility in soil: : Not available  
 Other adverse effects: : This product is not classified as environmentally hazardous. However, this does not include the possibility

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**Propylene Glycol monomethyl ether**

Toxicity:

that large or frequent spills can have a harmful or damaging effect on the environment.

: LC50 fish, leuciscus idus: 6812 mg/l 96 hours  
 EC50 daphnia, water flea: 23300 mg/l 48 hours  
 This material is not harmful or toxic to aquatic invertebrates

EC50 green algae: 1000 mg/l 7 days  
 This material is not harmful or toxic to aquatic invertebrates

IC50 activated sludge: 1000 mg/l  
 Low toxicity to sewage microbes

Persistence and degradability:  
 Bioaccumulative potential:

: Not available  
 : QSAR calculations based on chemical structure predict a BCF value of 3.2. Bio accumulation is unlikely.

Mobility in soil:

: Rapid dissipation is soil expected: Koc value between 1 and 50, indicating very high soil mobility. If released to the environment, this substance is expected to partition mainly into the water compartment (open waters and perhaps soil groundwater/porewater).

Other adverse effects:

: Not available

**Ethylene diamine tetra acetic acid**

Toxicity:

: LC50 fish (bluegill): >1000 mg/l 96 hours  
 NOEC fish (zebra fish) >=25.7 mg/l 35 days  
 EC50 Daphnia magna: 140 mg/l 48 hours; NOEC: 25 mg/l 21 days

Persistence and degradability:

: Inherently biodegradable - EDTA (acid form) and its salts are not readily biodegradable. Under special considerations like adaptation or slightly alkaline pH, which is realistic under environmental surface water conditions, the biodegradability of EDTA is considerably enhanced and as such EDTA is considered ultimately biodegradable. Photodegradable with a half life of 20 days.

Bioaccumulative potential:

: Bioaccumulation is not expected due to the substance's high water solubility. Log Pow < 0. Bio-Concentration Factor (BCF) = 1-2 (Flow through study, 28 day, lepomis macrochirus).

Mobility in soil:

: No adsorption expected onto soil due to ionic structure. The test substance will preferably distribute into the water compartment and not evaporate from the water surface.  
 : Not available

Other adverse effects:

**Sodium Carbonate**

Toxicity:

: LC50 fish, bluegill: 300 mg/l 96 hours  
 EC50 Daphnia, water flea: 265 mg/l 48 hours  
 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



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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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