

## 1. IDENTIFICATION

### Product Identifier

**Product Name** RAMSOL BCX  
**Chemical Name** Solvent degreaser

### Recommended use of the chemical and restrictions on use

**Recommended use** Circulation cleaning and degreasing applications  
**Restrictions on use** For industrial use only

### Supplier details

West Penetone Inc.  
11411-160 Street  
Edmonton, AB,  
T5M3T7  
Tel: 780-454-3919

### Emergency Telephone Number

Canutec 1-(613)-996-6666 Internationally or 1-888-226-8832 – North America FOR 24 HOUR TRANSPORT EMERGENCY

## 2. HAZARDS IDENTIFICATION

### Classification

Flammable liquids	Category 3
Acute toxicity, inhalation - vapors	Category 4
Skin corrosion/irritation	Category 2
Serious eye damage/eye irritation	Category 2A
Skin sensitizer	Category 1B
Carcinogenicity	Category 2
Reproductive toxicity	Category 1B
Specific target organ toxicity – single exposure	Category 3
Aspiration hazard	Category 1
Hazardous to the aquatic environment, acute hazard	Category 2

### Label Elements

#### DANGER

#### Hazard Statements

Flammable liquid and vapor  
Harmful if inhaled  
Causes skin and serious eye irritation  
May cause an allergic skin reaction  
Suspected of causing cancer  
May damage fertility or the unborn child  
May cause respiratory irritation  
May be fatal if swallowed and enters airways  
Toxic to aquatic life



### Precautionary Statements - Prevention

Obtain special instructions before use.  
Do not handle until all safety precautions have been read and understood.

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
 Keep container tightly closed.  
 Avoid breathing dust/fume/gas/mist/vapors/spray.  
 Wash face, hands and any exposed skin thoroughly after handling.  
 Use only outdoors or in a well-ventilated area.  
 Contaminated work clothing should not be allowed out of the workplace.  
 Avoid release to the environment.  
 Wear protective gloves/protective clothing/eye protection/face protection.

#### **Precautionary Statements - Response**

IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. Rinse mouth. Do NOT induce vomiting.  
 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower. If skin irritation occurs: Get medical advice/attention. Wash contaminated clothing before reuse.  
 IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell.  
 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
 If eye irritation persists: Get medical advice/attention.  
 IF exposed or concerned: Get medical advice/attention.  
 Get medical advice/attention if you feel unwell.  
 In case of fire: Use carbon dioxide, foam or dry chemical to extinguish.

#### **Precautionary Statements - Storage**

Store locked up. Store in a well ventilated place. Keep cool. Keep container tightly closed.

#### **Precautionary Statements - Disposal**

Dispose of contents/container to an approved waste disposal plant according to local, provincial/federal regulations.

### **3. COMPOSITION / INFORMATION ON INGREDIENTS**

Chemical Name	CAS-No	Weight %
solvent naphtha (petroleum) light aromatic	64742-95-6	15-40
1,2,4- trimethylbenzene	95-63-6	10-30
dipentene	68956-56-9	7-13
mesitylene	108-67-8	5-10
1-methyl-2-pyrrolidone	872-50-4	3-7
alcohols, C9-C11, ethoxylated	68439-46-3	3-7
triethanolamine dodecylbenzene sulfonate	27323-41-7	1-5
sodium dodecylbenzene sulfonate	25155-30-0	1-5
alcohols (C12-C15 In. saturated) ethoxylate	68131-39-5	1-5
1,2,3-trimethylbenzene	526-73-8	1-5
cumene	98-82-8	<1.0

### **4. FIRST AID MEASURES**

**Ingestion** Rinse mouth. Do NOT induce vomiting. Immediately call a POISON CENTER or doctor/physician.

**Skin contact** Wash with plenty of water. If skin irritation or rash occurs, get medical advice/attention. Take off contaminated clothing and wash before reuse.

**Inhalation** If difficulties occur after mist/vapors/spray has been inhaled, remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell.

**Eye contact** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/physician.

#### **Most important symptoms and effects, both acute and delayed**

Contact with eyes may cause serious eye irritation leading to discomfort or pain, excess blinking and tear production with marked excess redness and swelling of the conjunctiva, and blurred vision. Contact with skin may cause irritation with local redness as well as an allergic skin reaction with prolonged or repeated exposure. Inhalation of mist/vapors/spray may cause respiratory tract irritation leading to a temporary burning sensation of the nose and throat, coughing, and difficulty breathing. High concentrations may cause central nervous system depression leading to headaches, dizziness, and nausea. Ingestion may cause irritation or a burning sensation of the mouth and throat and abdominal pain. Aspiration into the respiratory system during ingestion or from vomiting may cause mild to severe pulmonary injury and possibly death. See Section 2 for possible

delayed effects.

#### **Indication of any immediate medical attention and special treatment needed**

Treat symptomatically.

## **5. FIRE-FIGHTING MEASURES**

#### **Suitable Extinguishing Media**

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

#### **Unsuitable Extinguishing Media**

High-volume water jet.

#### **Specific hazards arising from the chemical**

During fire, gases hazardous to health may be formed including oxides of carbon, nitrogen, sulfur and other irritating gases.

#### **Protective Equipment and Precautions for Firefighters**

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

## **6. ACCIDENTAL RELEASE MEASURES**

#### **Personal precautions, protective equipment and emergency procedures**

Ensure adequate ventilation. Remove all sources of ignition. Avoid contact with skin, eyes and clothing. Use personal protective equipment.

#### **Environmental Precautions**

Avoid discharge into drains/surface waters/groundwater.

#### **Methods and material for containment and cleaning up**

Contain and solidify with inert absorbent material. Keep in suitable, closed containers for disposal. Following product recovery, flush the area with water. For large spills, stop flow of material, prevent product from entering drains, and pump off product where this is without risk and possible. Proceed as above.

## **7. HANDLING AND STORAGE**

#### **Precautions for Safe Handling**

##### **Handling**

Avoid contact and inhalation of mist/vapors/spray. Avoid contact with skin, eyes and clothing. Ensure thorough ventilation of work areas. Use recommended personal protective equipment.

#### **Conditions for safe storage, including any incompatibilities**

##### **Storage**

Keep containers tightly closed away from direct sunlight in a dry, cool and well-ventilated place, away from incompatible materials.

##### **Incompatible Materials**

Acids, strong oxidizing agents

## **8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

#### **Control parameters**

Only constituents with exposure limits are listed. Any constituent not listed has no known exposure limit.

<b>Chemical Name</b>	<b>ACGIH TLV</b>	<b>OSHA PEL</b>	<b>NIOSH IDLH</b>
solvent naphtha (petroleum) light aromatic 64742-95-6	Not available	TWA: 500 ppm/2000mg/m <sup>3</sup>	Not available
1,2,4-trimethylbenzene 95-63-6	Not available	Not available	25 ppm (REL)
mesitylene 108-67-8	Not available	Not available	25 ppm (REL)
1-methyl-2-pyrrolidone 872-50-4	OES – LTEL: 103mg/m <sup>3</sup> /25 ppm OES – STEL: 309mg/m <sup>3</sup> /75 ppm	AIHA: 10 ppm skin	Not available
1,2,3-trimethylbenzene 526-73-8	Not available	Not available	25 ppm (REL)
cumene 98-82-8	50 ppm (TWA)	50 ppm	50 ppm (REL)

**Appropriate engineering controls**

**Engineering Controls** Ensure adequate ventilation, especially in confined areas. Eyewash facilities and emergency shower must be made available when handling this product.

**Individual protection measures, such as personal protective equipment**

**Eye/face Protection** Safety glasses with side shields or goggles. Face shield where handling may produce splashing hazards.

**Skin and body protection** Wear protective gloves and protective clothing.

**Respiratory Protection** Wear respiratory protection if ventilation is inadequate. Respiratory protection in case of vapor/aerosol release.

**General Hygiene Considerations** Handle in accordance with good industrial hygiene and safety practice. Routinely wash work clothing and protective equipment to remove contaminants.

**9. PHYSICAL AND CHEMICAL PROPERTIES****APPEARANCE :**

Clear, yellow liquid

**ODOR :**

Solvent/citrus

**ODOR THRESHOLD :**

Not applicable

**pH :**

Not applicable

**MELTING POINT / FREEZING POINT :**

Not available

**BOILING POINT/BOILING RANGE :**

Not available

**FLASH POINT :**

46°C / 115°F (TCC)

**EVAPORATION RATE, water = 1 :**

>1

**FLAMMABILITY (SOLID, GAS) :**

Not applicable

**VAPOR PRESSURE, mm Hg AT 20°C (68°F) :**

Not available

**VAPOR DENSITY (Air = 1) :**

Not available

**RELATIVE DENSITY AT 20°C (68°F) :**

0.895-0.900

**SOLUBILITY IN WATER :**

Forms emulsion

**PARTITION COEFFICIENT, N-OCTANOL/WATER :**

Not available

**AUTO-IGNITION TEMPERATURE :**

Not available

**DECOMPOSITION TEMPERATURE :**

Not available

**VISCOSITY :**

Not available

**FLAMMABLE LIMITS :**

UPPER : Not available LOWER : Not available

**10. STABILITY AND REACTIVITY****Reactivity**

Not reactive.

**Chemical Stability**

Stable under normal conditions.

**Possibility of hazardous reactions**

Under normal conditions of storage and use, hazardous reactions will not occur.

**Conditions to Avoid**

Avoid all sources of ignition: heat/open flame/hot surfaces. Store away from incompatible materials.

**Incompatible Materials**

Acids, strong oxidizing materials.

**Hazardous decomposition products**

Under normal conditions of storage and use, hazardous decomposition products should not be produced. Thermal decomposition can lead to release of irritating gases and vapors such as oxides of carbon, nitrogen, and sulfur as well as other low molecular weight hydrocarbons.

**11. TOXICOLOGICAL INFORMATION****Acute toxicity**

**ATE<sub>mix</sub>** – LD50 oral – approx. >4000 mg/kg (rat), LD50 dermal – approx. ≥2692 mg/kg (rabbit), LC50 inhalation-vapors – approx. ≥11 mg/L – 4 h (rat)

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
solvent naphtha (petroleum) light aromatic 64742-95-6	8400 mg/kg (rat)	>2000 mg/kg (rabbit)	3400 ppm/>5.2 mg/L (rat) – 4 h
1,2,4-trimethylbenzene 95-63-6	5000 mg/kg (rat)	Not listed	18 mg/L (rat) – 4 h
dipentene 68956-56-9	>2000 mg/kg (rat)	Not listed	Not listed
mesitylene 108-67-8	5000 mg/kg (rat)	Not listed	24 mg/L (rat) – 4 h
1-methyl-2-pyrrolidone 872-50-4	3914 mg/kg (rat)	8000 mg/kg (rabbit)	>5100 ppm (rat) – 4 h
alcohols, C9-C11, ethoxylated 68439-46-3	>2000 mg/kg (rat)	>2000 mg/kg (rabbit)	Not listed
triethanolamine dodecylbenzene sulfonate 27323-41-7	500-2000 mg/kg (rat)	>2000 mg/kg (rabbit)	Not listed
sodium dodecylbenzene sulfonate 25155-30-0	500-2000 mg/kg (rat)	Not listed	Not listed
alcohols, C12-C15, ethoxylated 68131-39-5	>2000 mg/kg (rat)	>2000 mg/kg (rabbit)	Not listed
cumene 98-82-8	1400 mg/kg	10627 mg/kg (rabbit)	8000 ppm (rat) – 4 h

#### Information on likely sources of exposure

Ingestion	May be harmful if swallowed
Skin corrosion/irritation	Causes skin irritation and possible sensitization.
Inhalation	May cause respiratory irritation and possible damage
Serious eye damage/irritation	Causes serious eye irritation.

#### Delayed and immediate effects and also chronic effects from short and long-term exposure

Respiratory or skin sensitization	dipentene (CAS 68956-56-9)	1 May cause an allergic skin reaction
Germ cell mutagenicity	No information available.	
Carcinogenicity	cumene (98-82-8)	2 Suspected human carcinogen
Reproductive toxicity	1-methyl-2-pyrrolidone (CAS 872-50-4)	1B May damage fertility or unborn child
STOT - single exposure	solvent naphtha (petroleum) light aromatic (CAS 64742-95-6)	3 May cause respiratory irritation
	dipentene (CAS 68956-56-9)	3 May cause respiratory irritation
	1-methyl-2-pyrrolidone (CAS 872-50-4)	3 May cause respiratory irritation
STOT - repeated exposure	No information available	
Aspiration Hazard	solvent naphtha (petroleum) light aromatic (CAS 64742-95-6)	1 May be fatal if swallowed and enters airways
	dipentene (CAS 68956-56-9)	1 May be fatal if swallowed and enters airways

#### Symptoms related to the physical, chemical and toxicological characteristics

Skin and eye irritation. Possible delayed effects due to prolonged or repeated skin exposure. Ingestion may cause irritation or a burning sensation of the mouth and throat, abdominal pain accompanied by nausea, vomiting, and diarrhea. Inhalation may cause irritation of nose, mouth, and upper respiratory tract, coughing, difficulty breathing, as well as headaches dizziness or nausea at high concentrations. Possible delayed effects due to exposure related to carcinogenicity, and reproductive toxicity.

## 12. ECOLOGICAL INFORMATION

#### Ecotoxicity

If available, ecotoxicity values of individual components are shown below.

Chemical Name	Fish	Waterflea	Algae
solvent naphtha (petroleum) light aromatic 64742-95-6	9.22 mg/L: 96 h rainbow trout LC50	Not available	Not available
1-methyl-2-pyrrolidone 872-50-4	4000 mg/L: 96 h LC50	>1000 mg/L: 24 h Daphnia magna EC50	Not available
alcohols, C9-C11, ethoxylated 68439-46-3	5-10 mg/L: 96 h LC50	5-10 mg/L: 48 h EC50	10-100 mg/L: 72 h EC50
alcohols, C12-C15, ethoxylated 68131-39-5	5-10 mg/L: 96 h LC50	5-10 mg/L: 48 h EC50	10-100 mg/L: 72 h EC50
triethanolamine dodecylbenzene sulfonate 27323-41-7	6 mg/L: 96 h LC50	6.9 mg/L: 48 h Daphnia magna EC50	50-100 mg/L: 72 h EC50
sodium dodecylbenzene sulfonate 25155-30-0	3.2-5.6 mg/L: 96 h rainbow trout LC50	6.3 mg/L: 48 h daphnia magna EC50	Not available

**Persistence and degradability**

Expected to be readily biodegradable.

**Bioaccumulative potential**

Accumulation in organisms is not to be expected.

**Mobility in soil**

No information available

**Other adverse effects**

Do not release untreated into natural waters. No other adverse environmental effects are expected.

**13. DISPOSAL CONSIDERATIONS****Waste Disposal Method**

Dispose of in accordance with local regulations.

**Contaminated Packaging**

Empty containers should be taken for local recycling, recovery or waste disposal.

**14. TRANSPORT INFORMATION**

UN Number: 3295  
UN Proper Shipping Name: Hydrocarbons, Liquid, N.O.S. (solvent naphtha (petroleum) light aromatic)  
Transport Hazard Class(es):  
Class: TDG: 3  
US DOT: 3  
IMDG: 3  
Label(s): 3  
Packing Group: III  
Marine Pollutant: No  
Special precautions for user: None established  
Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code:  
Not determined

**15. REGULATORY INFORMATION**

## Canada (DSL/NDSL)

All ingredients contained in this product are in compliance with the Canadian Environmental Protection Act and are listed on the DSL or are exempt.

## United States (TSCA)

All ingredients contained in this product are listed on the TSCA inventory or are exempt.

## HMIS Information:

Health: 2  
Flammability: 2  
Reactivity: 0

**16. OTHER INFORMATION****Preparation Date**

15 April, 2016

**Revision Date**

3 May 2018

**Revision Note**

Modifications to Section 1, 2, 3, 4, 7, 8, 11, 12, 14, 15

**Disclaimer**

The information provided on this SDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.

**End of SDS**