

1. IDENTIFICATION

Product Identifier

Product Name RAMSOL BCX

Recommended use of the chemical and restrictions on use

Recommended use Degreaser
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 (613)-996-6666

2. HAZARDS IDENTIFICATION

Classification

Flammable liquids	Category 3
Acute toxicity, inhalation - gases	Category 4
Skin corrosion/irritation	Category 2
Serious eye damage/eye irritation	Category 1
Skin sensitizer	Category 1
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 irritation
Causes serious eye damage
May cause an allergic skin reaction
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 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 must 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 IN EYES: 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.
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 SWALLOWED: Rinse mouth. Do NOT induce vomiting. Immediately call a POISON CENTER or doctor/physician.
If exposed or concerned: get medical advice/attention.

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	40-70
dipentene	68956-56-9	7-13
1-methyl-2-pyrrolidone	872-50-4	3-7
alcohols, C9-C11, ethoxylated	68439-46-3	3-7
alcohols (C12-C15 In. saturated) ethoxylate	68131-39-5	3-7
triethanolamine dodecylbenzene sulfonate	27323-41-7	1-5
sodium dodecylbenzene sulfonate	25155-30-0	1-5
calcium dodecylbenzene sulfonate	26264-06-2	0.1-1.0

4. FIRST AID MEASURES

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.

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.

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

Most important symptoms and effects, both acute and delayed

Contact with eyes may cause serious eye damage leading to irritation, discomfort or pain, excess blinking and tear production with marked excess redness and swelling of the conjunctiva, blurred vision, and possible corneal injury. 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.

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.

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
solvent naphtha (petroleum) light aromatic 64742-95-6	Not available	TWA: 500 ppm/2000mg/m ³	Not available
1-methyl-2-pyrrolidone 872-50-4	OES – LTEL: 103mg/m ³ /25 ppm OES – STEL: 309mg/m ³ /75 ppm	AIHA: 10 ppm skin	Not available

Appropriate engineering controls

Engineering Controls Ensure adequate ventilation, especially in confined areas. Eye wash 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	VAPOR PRESSURE, mm Hg AT 20°C : Not available
ODOR Solvent/citrus	VAPOR DENSITY (Air = 1) : Not available
ODOR THRESHOLD : Not applicable	RELATIVE DENSITY AT 20°C: 0.895-0.900
pH : Not applicable	SOLUBILITY IN WATER : Forms emulsion
MELTING POINT / FREEZING POINT : Not available	PARTITION COEFFICIENT, N-OCTANOL/WATER : Not available
BOILING POINT/BOILING RANGE : Not available	AUTO-IGNITION TEMPERATURE : Not available
FLASH POINT : 46°C (TCC)	DECOMPOSITION TEMPERATURE: Not available
EVAPORATION RATE, water = 1 : >1	VISCOSITY: Not available
FLAMMABILITY (SOLID, GAS): Not applicable	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

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
solvent naphtha (petroleum) light aromatic 64742-95-6	Not listed	>2000 mg/kg (rabbit)	3400 ppm/>5.2 mg/L (rat) – 4 h
dipentene 68956-56-9	>2000 mg/kg (rat)	Not listed	Not listed
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
alcohols, C12-C15, ethoxylated 68131-39-5	>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

calcium dodecylbenzene sulfonate 26264-06-2	1300 mg/kg (rat)	>2000 mg/kg (rabbit)	Not listed
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Information on likely sources of exposure

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

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	No information available	
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

See Section 2 & 4.

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
calcium dodecylbenzene sulfonate 26264-06-2	20 mg/L: 96 h LC50	2.2-15 mg/L: 48 h EC50	1.25-75 mg/L: EC50

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**TDG classification**

UN 1993, Flammable Liquid, N.O.S. (solvent naphtha (petroleum) light aromatic), Class 3, PG III

15. REGULATORY INFORMATION

All ingredients are listed on the DSL

16. OTHER INFORMATION

<u>Preparation Date</u>	15 April, 2016
<u>Revision Date</u>	not applicable
<u>Revision Note</u>	not applicable

Disclaimer

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End of SDS