

1. IDENTIFICATION

Product Identifier

Product Name RAMSOL

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 - vapors	Category 3
Skin corrosion/irritation	Category 2
Serious eye damage/eye irritation	Category 2A
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
Toxic if inhaled
Causes skin irritation
Causes serious eye irritation
May cause respiratory irritation
May be fatal if swallowed and enters airways
Toxic to aquatic life



Precautionary Statements - Prevention

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.
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.

If eye irritation persists: get medical advice/attention.

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

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 container tightly closed. Keep cool.

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	60-100
xylenes	1330-20-7	10-30
alcohols, C9-C11, ethoxylated	68439-46-3	3-7
dipropylene glycol monomethyl ether	34590-94-8	1-5
triethanolamine dodecylbenzene sulfonate	27323-41-7	1-5
triethanolamine	102-71-6	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. If eye irritation persists: get medical advice/attention.

Skin contact

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.

Inhalation

Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER or doctor/physician.

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 irritation leading to discomfort or pain, excess blinking and tear production with marked excess redness and swelling of the conjunctiva. Contact with skin may cause irritation with local redness and possible dermatitis 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.

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 with 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
xylenes 1330-20-7	TWA: 100 ppm/434 mg/m ³ STEL: 150 ppm/651 mg/m ³	TWA: 100 ppm/435 mg/m ³ STEL: 150 ppm/655 mg/m ³	Not available
dipropylene glycol monomethyl ether 34590-94-8	TWA: 100 ppm, skin STEL: 150 ppm, skin	Z-1 TWA: 600 mg/m ³ , 100 ppm, skin	Not available
triethanolamine 102-71-6	TWA: 5 mg/m ³ STEL: 5 ppm/31 mg/m ³	Not listed	Not listed

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	VAPOR DENSITY (Air = 1) : Not available
ODOR THRESHOLD : Not applicable	RELATIVE DENSITY AT 20°C: 0.870-0.900
pH : Not applicable	SOLUBILITY IN WATER : Forms emulsion
MELTING POINT / FREEZING POINT : Approx. -34°C	PARTITION COEFFICIENT, N-OCTANOL/WATER : Not available
BOILING POINT/BOILING RANGE : 140.8°C	AUTO-IGNITION TEMPERATURE : Not available
FLASH POINT : 41°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

ATE_{mix} – LD50 oral – approx. ≥ 3037 mg/kg (rat), LD50 dermal – approx. ≥ 2072 mg/kg (rabbit), LC50 inhalation-vapors – approx. > 6 mg/L – 4 h (rat)

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
xylene 1330-20-7	3500-4300 mg/kg (rat)	>2000 mg/kg (rabbit)	>20 mg/L (rat) – 4 h 5000 ppm (rat) – 4 h
alcohols, C9-C11, ethoxylated 68439-46-3	>2000 mg/kg (rat)	>2000 mg/kg (rabbit)	Not listed
dipropylene glycol monomethyl ether 34590-94-8	>5000 mg/kg (rat)	9510 mg/kg (rabbit)	NOEC 3.35 mg/L, 7 h, vapor (rat)
triethanolamine dodecylbenzene sulfonate 27323-41-7	500-2000 mg/kg (rat)	>2000 mg/kg (rabbit)	Not listed
triethanolamine 102-71-6	2200 mg/kg	18000 mg/kg	Not listed

Information on likely sources of exposure

Inhalation

May cause respiratory irritation and possible damage

Serious eye damage/irritation

Causes serious eye irritation.

Skin corrosion/irritation

Causes skin irritation and possible dermatitis.

Ingestion May be harmful if swallowed.

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

Respiratory or skin sensitization	Not a sensitizer.	
Germ cell mutagenicity	No information available.	
Carcinogenicity	No information available.	
Reproductive toxicity	No information available.	
STOT - single exposure	solvent naphtha (petroleum) light aromatic (CAS 64742-95-6) xylenes (CAS 1330-20-7)	3 May cause respiratory irritation 3 May cause respiratory irritation
STOT - repeated exposure	No information available	
Aspiration Hazard	solvent naphtha (petroleum) light aromatic (CAS 64742-95-6) xylenes (CAS 1330-20-7)	1 May be fatal if swallowed and enters airways 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
xylenes 1330-20-7	1-10 mg/L: 96 h LC50	1-10 mg/L: 48 h EC50	1-10 mg/L: 72 h EC50
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
dipropylene glycol monomethyl ether 34590-94-8	>1000 mg/L: 96 h poecilia reticulate LC50	1919 mg/L: 48 h daphnia magna LC50	>969 mg/L: 96 h green algae ErC50
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
triethanolamine 102-71-6	11800 mg/L: 96 h pimephales promelas LC50	1390 mg/L: 24 h daphnia magna EC50	169 mg/L: 96 h desmodesmus subspicatus 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 3295, Hydrocarbons, Liquid, N.O.S. (petroleum distillates), Class 3, PG III

15. REGULATORY INFORMATION

All ingredients are listed on the DSL

16. OTHER INFORMATION

Preparation Date

7 November, 2016

Revision Date

not applicable

Revision Note

not applicable

Disclaimer

The information provided on this MSDS 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