

ROC 55X

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Date prepared: 1 April 2016  
MSDS : ROC 55X SDS GHS

## 1. IDENTIFICATION

### Product Identifier

**Product Name** ROC 55X

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

**Recommended use** Cleaner and degasification aid  
**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, oral	Category 4
Acute toxicity, dermal	Category 4
Acute toxicity, inhalation – dusts and mists	Category 4
Skin corrosion/irritation	Category 2
Serious eye damage/eye irritation	Category 2A
Skin sensitizer	Category 1B
Specific target organ toxicity – single exposure	Category 1
Specific target organ toxicity – single exposure	Category 3
Specific target organ toxicity – repeated exposure	Category 1
Hazardous to the aquatic environment, acute hazard	Category 2

### Label Elements

#### **DANGER**

#### **Hazard Statements**

Flammable liquid and vapor  
Harmful if swallowed  
Harmful in contact with skin  
Harmful if inhaled  
Causes skin irritation  
Causes serious eye irritation  
May cause an allergic skin reaction  
Causes damage to organs  
May cause respiratory irritation  
Causes damage to organs through prolonged or repeated exposure  
Toxic to aquatic life



### Precautionary Statements - Prevention

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

Use only outdoors or in a well-ventilated area. Keep container tightly closed.  
Do not breathe dust/fume/gas/mist/vapors/spray.  
Wash face, hands and any exposed skin thoroughly after handling.  
Do not eat, drink, or smoke when using this product.  
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.  
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. Call a POISON CENTER or doctor/physician if you feel unwell.  
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. Call a POISON CENTER or doctor/physician if you feel unwell.  
IF exposed or concerned: Call a POISON CENTER or doctor/physician.  
Get medical advice/attention if you feel unwell.

**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 %
methanol	67-56-1	10-30
1,3,5-triazine-1,3,5-(2H,4H,6H)-triethanol	4719-04-4	10-30
lauramine oxide	1643-20-5	5-10
alcohols, C9-C11, ethoxylated	68439-46-3	3-7
alcohols (C12-C15 In. saturated) ethoxylate	68131-39-5	3-7
2-aminoethanol	141-43-5	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** Wash with plenty of water. Call a POISON CENTER or doctor/physician if you feel unwell. If skin irritation or rash occurs, get medical advice/attention. Take off immediately all contaminated clothing and wash it before re-use.

**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. Call a POISON CENTER or doctor/physician if you feel unwell.

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

Contact with eyes may cause serious eye irritation leading to stinging, tearing, redness, swelling, and blurred vision with marked excess redness and swelling of the conjunctiva. Contact with skin may cause local redness or pain and cause sensitization with prolonged or repeated exposure. Once sensitized, a severe allergic reaction may occur when subsequently exposed to very low levels. 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 affect the eyes, liver, and kidneys.

**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 and nitrogen.

**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. High risk of slipping due to product leakage/spillage.

**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, dike, 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. Smoking, eating and drinking should be prohibited in the application area.

**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, 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
methanol 67-56-1	TWA: 200 ppm STEL: 250 ppm	TWA: 200 ppm/260 mg/m <sup>3</sup> STEL: 250 ppm/325 mg/m <sup>3</sup>	TWA: 200 ppm/260 mg/m <sup>3</sup> STEL: 250 ppm/325 mg/m <sup>3</sup>
2-aminoethanol 141-43-5	TWA : 3 ppm/7.5 mg/m <sup>3</sup> STEL : 6 ppm/15 mg/m <sup>3</sup>	3 ppm/6 mg/m <sup>3</sup>	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

**ODOR**

Alcohol/amine

**ODOR THRESHOLD :**

Not applicable

**pH :**

9.5-10.5

**MELTING POINT / FREEZING POINT :**

-49°C

**BOILING POINT/BOILING RANGE :**

Not available

**FLASH POINT :**

32°C (TCC)

**EVAPORATION RATE, water = 1 :**

&gt;1

**FLAMMABILITY (SOLID, GAS):**

Not applicable

**VAPOR PRESSURE, mm Hg AT 20°C :**

Not available

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

Not available

**RELATIVE DENSITY AT 20°C:**

0.980-0.990

**SOLUBILITY IN WATER :**

Complete

**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: open flame. Store away from incompatible materials.

**Incompatible Materials**

Strong oxidizing materials, acids.

**Hazardous decomposition products**

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

**11. TOXICOLOGICAL INFORMATION****Acute toxicity****ATE<sub>mix</sub>** – LD50 oral – approx. ≥369 mg/kg (rat), LD50 dermal – approx. ≥1025 mg/kg (rabbit), LC50 inhalation-dusts/mists – approx. ≥2 mg/L – 4 h (rat)

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
methanol 67-56-1	100 mg/kg (rat)	300 mg/kg (rabbit)	5 mg/L (rat)
1,3,5-triazine-1,3,5(2H,4H,6H)-triethanol 4719-04-4	>488-≤584 mg/L (rat)	>2000 mg/kg (rat)	0.371 mg/L (rat) – 4 hr
lauramine oxide 1643-20-5	>1065 mg/kg (rat)	>2000 mg/kg (rabbit)	Not listed
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
2-aminoethanol 141-43-5	1720 mg/kg (rat)	1000 mg/kg (rabbit)	Not listed

**Information on likely sources of exposure****Inhalation**

Harmful if inhaled. May cause respiratory irritation and possible damage

**Serious eye damage/irritation**

Causes serious eye irritation.

**Skin corrosion/irritation**

Harmful if absorbed through skin. Causes skin irritation and possible sensitization.

Ingestion Harmful if swallowed

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

**Respiratory or skin sensitization** 1,3,5-triazine-1,3,5(2H,4H,6H)-triethanol (CAS 4719-04-4) - 1B May cause an allergic skin reaction  
**Germ cell mutagenicity** No information available.  
**Carcinogenicity** No information available  
**Reproductive toxicity** No information available  
**STOT - single exposure** Methanol (CAS67-56-1) - 1 Causes damage to eyes, central nervous system  
 1,3,5-triazine-1,3,5(2H,4H,6H)-triethanol (CAS 4719-04-4) 1 Causes damage to liver, central nervous system  
**STOT - repeated exposure** 1,3,5-triazine-1,3,5(2H,4H,6H)-triethanol (CAS 4719-04-4) 1 Causes damage to skin, CNS, kidneys  
**Aspiration Hazard** None.

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

See Section 2 &amp; 4.

**12. ECOLOGICAL INFORMATION****Ecotoxicity**

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

Chemical Name	Fish	Waterflea	Algae
methanol 67-56-1	15400 mg/L: 96 h Lepomis macrochirus LC50	>10000 mg/L: 48 h Daphnia magna EC50	22000 mg/L: 96 h Scenedesmus capricornutum EC50
1,3,5-triazine-1,3,5(2H,4H,6H)-triethanol 4719-04-4	119 mg/L: 96 h rainbow trout LC50	26.1 mg/L: 48 h Daphnia magna EC50	Not available
lauramine oxide 1643-20-5	2.67 mg/L: 96 h LC50	3.1 mg/L: 48 h Daphnia magna EC50	0.19 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
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
2-aminoethanol 141-43-5	150 mg/L: 96 h rainbow trout LC50	Not available	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****TDG classification**

UN 1992, Flammable Liquid, Toxic, N.O.S. (methanol solution), Class 3 (6.1), PG III

**15. REGULATORY INFORMATION**

All ingredients are listed on the DSL

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

1 April, 2016

**Revision Date**

January 30, 2018

**Revision Note**

Update in hazards and composition information in Sections 2, 3, 8, 11

**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**