



# SAFETY DATA SHEET

Penetone® Corporation, 375 Murray Hill Pkwy., East Rutherford, NJ 07073

ROC 55X

Page: 1 of 9

Date Prepared: December 6, 2024

SDS No.: 9158

## SECTION 1: IDENTIFICATION

**Product name:** ROC 55X

**Recommended use:** Cleaner and degasification aid

**Physical Description:** Clear liquid with alcohol odor

**Generic Ingredients:** Water, methanol, organic triazine compound, and surfactants

**Manufacturer:**

Penetone Corporation

375 Murray Hill Pkwy.

East Rutherford, NJ 07073

800-631-1652 or 201-567-3000

**Business Contact:**

Customer Service

800-631-1652 x2272

Product Safety

800-631-1652 x2257

**Emergency Phone Numbers:** PENETONE 201-567-3000 CHEMTREC 800-424-9300

## SECTION 2: HAZARDS IDENTIFICATION

### GHS CLASSIFICATION:

#### Health

Acute toxicity - oral: 3

Acute toxicity - dermal: 3

Acute toxicity - inhalation: 3

Eye irritation: 2A

Skin irritation: 2

Skin sensitization: 1B

Specific target organ toxicity - single exposure: 1, 3

Specific target organ toxicity - repeat exposure: 2

Reproductive toxicity: 2

#### Physical

Flammable liquid: 3

### DANGER!

Flammable Liquid and Vapor.

Toxic if Swallowed, in Contact with Skin, or Inhaled

Causes Skin and Serious Eye Irritation.

May Cause an Allergic Skin Reaction.

Causes Damage to Organs (brain, eyes, central and peripheral nervous systems, respiratory and circulatory systems, and gastrointestinal tract) if swallowed, adsorbed through skin or inhaled.

May Cause Drowsiness or Dizziness.

May Cause Damage to Organs (eye and optic nerve, stomach, brain) through prolonged or repeated exposure (ingestion, adsorption through skin, inhalation).

Suspected of Damaging Fertility or the Unborn Child.



### Precautions:

#### Prevention:

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

Keep container tightly closed. Keep away from heat/sparks/open flames/hot surfaces.--No smoking.

Ground/Bond container and receiving equipment. Use explosion-proof electrical, ventilating, lighting, and mixing equipment. Use only non-sparking tools. Take precautionary measure against static discharge.

Avoid breathing fumes or vapors. Do not breath fumes, vapors, or mists if inhalable mists occur during use. Use only outdoors or in a well-ventilated area. In case of inadequate ventilation, wear respiratory protection

Do not eat, drink, or smoke when using this product.

Wear protective gloves, eye protection, and face protection. Wash hands and exposed skin thoroughly after handling. Contaminated work clothing must not be allowed out of the workplace.

#### Response:

*If exposed:* Call a poison center, doctor, emergency room, or 911. Immediate and specific treatment is required if swallowed or inhaled.

*If on skin or hair:* Take off immediately all contaminated clothing and wash it before reuse. Wash skin with plenty of water. A mild soap may be used. Call a poison center, doctor, emergency room, or 911 if you feel unwell. If skin irritation or rash occurs: Get medical advice/attention.



## SAFETY DATA SHEET

Penetone® Corporation, 375 Murray Hill Pkwy., East Rutherford, NJ 07073

ROC 55X

Page: 2 of 9

Date Prepared: December 6, 2024

SDS No.: 9158

**Response, continued:**

**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 swallowed:** Immediately call a poison center, doctor, emergency room, or 911. Specific treatment is urgent. Rinse mouth.

**If inhaled:** Remove person to fresh air and keep comfortable for breathing. Immediately call a poison center, doctor, emergency room, or 911. Specific treatment is urgent.

**In case of fire:** Use dry chemical, carbon dioxide, water spray or foam to extinguish.

**Storage:**

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

**Disposal:**

Dispose of contents/container in accordance with local, regional, and national regulations (see Sections 13 and 15 of SDS for disposal and reporting requirements).

### SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	CAS#	Concentration Wt% (1)
Water	7732-18-5	50-65
Methanol	67-56-1	15-30
1,3,5-triazine-1,3,5-(2H,4H,6H)-triethanol	4719-04-4	15-30
Lauramine oxide	1643-20-0	1-10
Alcohols, C9-C11, ethoxylated	68439-46-3	1-10
Alcohols, C12-C15, ethoxylated	68131-39-5	1-10

(1) Exact percentages being withheld under trade secret provision of OSHA HCS 1910.1200(I)

### SECTION 4: FIRST-AID MEASURES

**General Description of Symptoms & First-Aid Measures**

Most likely work-place exposure routes will be *skin contact* or *inhalation*. For *skin contact*, typically no immediate effects will be observed. Slight reddening or minor irritation could develop some time after exposure if product is not quickly washed off. Significant amounts of methanol can be adsorbed through intact skin which will produce more severe effects. *Inhalation* exposure may produce varied effects, particularly if exposure occurs above the recommended workplace exposure limits (see SECTION 8).

The effects of methanol exposure may be delayed and may not become apparent for 1 to 72 hours. Do not wait for symptoms to develop. Significant quantities of methanol can be absorbed by ingestion, inhalation and through intact skin. *Ingestion* of methanol presents the greatest health risk. Ingestion of as little as 10 ml of methanol can cause blindness and 30 ml (1 ounce) can cause death if the victim is not immediately treated. See Special Treatment / Other below.

Methanol's toxicity is due to its metabolic products which can cause an accumulation of formic acid in the blood (metabolic acidosis) which can lead to blindness and death. Symptoms of methanol poisoning may include: drowsiness, a reduced level of consciousness, confusion, headache, dizziness, loss of coordination and an appearance of drunkenness, nausea, headache, and vomiting. Severe visual effects such as reduced reactivity, increased sensitivity to light, blurred, double and/or snowy vision and blindness can occur. Coma and death, usually due to heart and respiratory failure, may occur if medical treatment is not received.

**Eyes**

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. Penetone recommends that after any eye exposure and initial treatment a physician be seen immediately.

**Ingestion**

If ingested: Immediately call a poison center, doctor, emergency room, or 911. Specific treatment is urgent. Rinse mouth.



**ROC 55X**

Page: 3 of 9  
Date Prepared: December 6, 2024  
SDS No.: 9158

---

**Inhalation**

If inhaled: Remove person to fresh air and keep comfortable for breathing. Immediately call a poison center, doctor, emergency room, or 911. Specific treatment is urgent.

**Skin**

If on skin: Take off immediately all contaminated clothing and wash it before reuse. Wash with plenty of water. A mild soap may be used. Rinse skin with water/shower. Call a poison center, doctor, emergency room, or 911 if you feel unwell. If skin irritation or rash occurs: Get medical advice/attention.

**Special Treatment / Other**

Initial treatment is primarily supportive of respiratory and cardiovascular function. The goal of treatment is to either prevent the conversion of methanol to toxic metabolites or to rapidly remove the toxic metabolites and correct metabolic and fluid abnormalities. The severity of outcome following methanol exposure, particularly ingestion, may be more related to the time between exposure and treatment, rather than the amount. Therefore, there is a need for rapid treatment.

Metabolism of methanol may be blocked by administration of ethanol. Fomepizole (4-methylpyrazole) may be administered which enhances elimination of metabolic formic acid. Both ethanol and fomepizole may not provide much benefit once the person has become acidotic. Hemodialysis then becomes the most effective treatment. Folinic acid (leucovorin) should also be administered intravenously to increase the rate at which formic acid is metabolized into less toxic chemicals. Treatment must be done by trained medical professionals only.

---

**SECTION 5: FIRE FIGHTING MEASURES**

**Flammable Properties**

**Classification:** 3

**Flash Point:** 90°F CC

**Autoignition Temperature:** not determined

**Lower Flammable Limit:** not determined **Upper Flammable Limit:** not determined

**Specific Hazards**

Flammable liquid. Can form flammable mixtures at or above the flash point.

**Extinguishing Media**

**Suitable:** SMALL FIRE: Use dry chemical, carbon dioxide (CO<sub>2</sub>), or foam. LARGE FIRE: water spray, water fog, or foam. Water will dilute the product to the point where it is no longer flammable. The amount of water will be about 2-3 times the volume of product.

**Unsuitable:** Do not use solid water stream as this may spread fire.

**Protection & Precautions for Firefighters**

**Protective Equipment & Clothing:** Wear positive pressure self-contained breathing apparatus (SCBA). Structural firefighters protective clothing will only provide limited protection.

**Fire Fighting Guidance:** Mist/spray can burn at temperatures below flash point. Cool containers with flooding quantities of water until well after fire is out. Move containers from fire area if you can do it safely. Dike fire control water for later disposal; do not scatter material. Containers can expand and explode under fire conditions due to vapor buildup. Always stay away from containers engulfed in fire.

**Hazardous Combustion Products:** Smoke, fumes, and oxides of carbon and nitrogen. Combustion products of methanol may include formaldehyde.



**ROC 55X**

Page: 4 of 9  
Date Prepared: December 6, 2024  
SDS No.: 9158

---

## SECTION 6: ACCIDENTAL RELEASE MEASURES

---

### Land Spill

Eliminate sources of ignition. Do not touch or walk through spilled material. Stop leak if you can do it safely. For large spills, dike and pump into properly labeled containers for reclamation or disposal. For small spill, soak up with absorbent material and place in properly labeled containers for disposal.

### Water Spill

This is a water based product and will completely mix/dissolve in water making recovery difficult. In case of spillage to drain or aquatic environments, contact local environmental regulatory agencies for reporting requirements.

### Environmental Note:

Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans or other waters unless in accordance with the requirements of a National Pollutant Discharge (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority.

See **SECTION 8 for EXPOSURE CONTROLS and PERSONAL PROTECTION.**

---

## SECTION 7: HANDLING & STORAGE

---

### Handling

Do not handle near heat, sparks, or flame. Avoid contact with oxidizing agents. Use only with adequate ventilation/personal protection (SEE section 8). Avoid contact with eyes, skin and clothing. After handling, always wash hands thoroughly with soap and water. Avoid personal contact with any residue. Dispose of empty containers with care. Empty containers can contain flammable residue and explosive vapors. **Do not cut, weld, or reuse empty container.**

### Storage

Store in a well-ventilated place. Keep container tightly closed. Keep cool. Store locked up. Do not store near heat, sparks, open flame, or other ignition sources. Do not store in direct sunlight. Avoid storing above 120°F (49°C). Do not contaminate water, food or feed by storage or disposal.

Do not store near strong oxidizing or reducing agents, acids or alkalis (strong bases). Keep away from alkali metals and metals such as magnesium and aluminum as powders. Incompatible with acid chlorides, acid anhydrides, and halogenated substances.

---

## SECTION 8: EXPOSURE CONTROLS and PERSONAL PROTECTION

---

### Engineering Controls

Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits.

### Personal Protection

Inhalation A respiratory protection program that meets OSHA's 29 CFR 1910.134 or ANSI Z88.2 requirements must be followed whenever workplace conditions warrant respirator use. Use of an organic vapor mask or respirator is recommended.

Skin Wear chemical resistant gloves such as: rubber, nitrile, neoprene, or latex when skin contact is possible. Protective clothing including gloves, apron, sleeves, boots, head and face protection should be worn depending on how the product is used. PPE should be cleaned thoroughly after each use.

Eyes Penetone recommends always wearing safety glasses as a minimum in any workplace. Conditions may warrant the use of chemical goggles and possibly a face shield. Consult your standard operating procedure or



## SAFETY DATA SHEET

Penetone® Corporation, 375 Murray Hill Pkwy., East Rutherford, NJ 07073

### ROC 55X

Page: 5 of 9

Date Prepared: December 6, 2024

SDS No.: 9158

safety professional for advice. Use protective eye and face devices that comply with ANSI Z87.1-1987.

#### Additional Remarks

Selection of appropriate personal protective equipment should be based on an evaluation of the performance characteristics of the protective equipment relative to the task(s) to be performed, conditions present, duration of use, and the hazards and/or potential hazards that may be encountered during use.

#### Occupational Exposure Limits

<u>Component Name</u>	<u>Source</u>	<u>Value</u>	<u>Type</u>	<u>Notation</u>
Methanol	ACGIH	200 ppm	TWA	Skin
		250 ppm	STEL	
	NIOSH	200 ppm	TWA	
		250 ppm	STEL	
	OSHA Z-1	200 ppm	PEL	
		260 mg/m <sup>3</sup>	PEL	

#### Biological Exposure Limits

<u>Component Name</u>	<u>Source</u>	<u>Value</u>	<u>Sampling Time</u>	<u>Notation</u>
Methanol	ACGIH	15 mg/l	end of shift	B, Ns

## SECTION 9: PHYSICAL & CHEMICAL PROPERTIES

**Appearance:** Clear liquid

**Odor:** Alcohol

**Odor Threshold:** not determined

**pH:** about 10

**Melting Point / Freezing:** About -40°F

**Boiling Point / Boiling Point Range:** about 175°F

**Flash Point:** 90°F

**Evaporation Rate:** similar to methanol

**Flammability:** not applicable

**Lower Flammable Limit:** not determined

**Upper Flammable Limit:** not determined

**Explosive Properties:** not applicable

**Vapor Pressure:** about 43 mm Hg @ 20°C

**Relative Vapor Density:** Similar to air

**Relative Density:** 0.975

**Solubility (Water):** soluble

**Partition Coefficient (K<sub>ow</sub>):** not determined

**Auto-ignition temperature:** not determined

**Decomposition temperature:** not determined

**Viscosity:** less than 10 centipoise at room temperature

## SECTION 10: STABILITY & REACTIVITY

#### Reactivity

Stable under normal conditions.

#### Chemical Stability

Stable.



## SAFETY DATA SHEET

Penetone® Corporation, 375 Murray Hill Pkwy., East Rutherford, NJ 07073

**ROC 55X**

Page: 6 of 9

Date Prepared: December 6, 2024

SDS No.: 9158

### Hazardous Reactions

Under fire conditions closed containers may rupture or explode.

### Conditions to Avoid

Flammable liquid. Do not store near heat, sparks, open flame, or other ignition sources. Do not store in direct sunlight. Avoid storing above 120°F (49°C).

### Incompatible Materials

Strong oxidizing or reducing agents, acids or alkalis (strong bases). Keep away from alkali metals and metals such as magnesium and aluminum as powders. Incompatible with acid chlorides, acid anhydrides, and halogenated substances

### Hazardous Decomposition Products

Carbon monoxide and dioxide, nitrogen oxides. Combustion products of methanol may include formaldehyde.

## SECTION 11: TOXICOLOGICAL INFORMATION

### Product Summary

Based upon ingredient information, product is expected to cause skin irritation and to cause serious eye irritation.

This product contains methanol. The effects of methanol exposure may be delayed and may not become apparent for 1 to 72 hours. Do not wait for symptoms to develop. Significant quantities of methanol can be absorbed by ingestion, inhalation and through intact skin. *Ingestion* of methanol presents the greatest health risk. Ingestion of as little as 10 ml of methanol can cause blindness and 30 ml (1 ounce) can cause death if the victim is not immediately treated. See Special Treatment / Other in Section 4 - First Aid Measures for details.

Methanol's toxicity is due to its metabolic products which can cause an accumulation of formic acid in the blood (metabolic acidosis) which can lead to blindness and death. Symptoms of methanol poisoning may include: drowsiness, a reduced level of consciousness, confusion, headache, dizziness, loss of coordination and an appearance of drunkenness, nausea, headache, and vomiting. Severe visual effects such as reduced reactivity, increased sensitivity to light, blurred, double and/or snowy vision and blindness can occur. Coma and death, usually due to heart and respiratory failure, may occur if medical treatment is not received.

### Acute Toxicity:

#### Methanol, humans

Dermal: no data available

Inhalation: TDLo - 300 ppm; TDLo - 60,000 ppm

Oral: TDLo 0.43 - 9.45 ml/kg (0.3 to 7.5 g/kg)

LDLo 0.2 - 14 ml/kg (0.14-11 g/kg)

Reported effects include changes in vision, headache, nausea, vomiting, general anesthetic effects, optic nerve neuropathy, lacrimation, coughing, labored breathing, blood changes, body temperature decrease, change in circulation, multiple enzyme effects, pancreatic effects, heart rate changes, and coma.

### Other ingredients:

Although animal studies are available, use of these would be misleading as to the overall toxicity of this product due to the specific human toxicity of methanol.

### Skin Corrosion/Irritation

Causes skin irritation. Based upon component data.

### Serious Eye Damage/Irritation

Causes serious eye irritation. Based upon component data.

### Sensitization - Respiratory or Skin

No data available. 1,3,5-triazine-1,3,5(2H,4H,6H)-triethanol may cause skin sensitization.



---

**ROC 55X**

Page: 7 of 9  
Date Prepared: December 6, 2024  
SDS No.: 9158

---

**Germ Cell Mutagenicity**

No data available. Not expected to be a germ cell mutagen based upon component data.

Methanol has shown positive results in various in vitro and in vivo tests. The relevance of these studies to humans has not been fully evaluated. Methanol is not considered a mutagenic agent.

**Carcinogenicity**

No data available. Does not contain components considered carcinogenic.

Although methanol has shown an increased incidence of tumors in susceptible strains of lab animals, methanol is not considered a carcinogen.

**Reproductive Toxicity**

No data available.

Methanol: Developmental effects, immediate and delayed, have occurred in experimental animals. May cause birth defects of the fetus's central nervous system. It is unknown whether chronic or repeated exposure to methanol is a reproductive toxicity risk.

**Specific Target Organ Effects - Single Exposure**

No data available.

For methanol: organs affected include brain, eyes (optic nerve), central and peripheral nervous systems, respiratory and circulatory systems, gastrointestinal tract.

**Specific Target Organ Effects - Repeated or Prolonged Exposure**

No data available.

For methanol: organs affected include eye and optic nerve, stomach, brain, skin.

**Aspiration Hazard**

Based upon components, product not expected to be aspiration hazard.

---

**SECTION 12: ECOLOGICAL INFORMATION**

---

**Product Summary**

Product is expected to be toxic to fish and aquatic invertebrates. (Acute aquatic toxicity category 2 by European Union classification).

**Ecotoxicity**

Fish: LC50 10-50 mg/l (estimated using additivity formula)  
Invertebrates: EC50 10-50 mg/l (estimated using additivity formula)  
Algae: EC50 1-10 mg/l estimated using additivity formula)

**Persistence and Degradability**

No data available. The surfactants used in this product are all readily biodegradable.

**Bioaccumulative Potential**

No data available.

**Mobility in soil**

No data available.

**Other Adverse Effects**

None known.



# SAFETY DATA SHEET

Penetone® Corporation, 375 Murray Hill Pkwy., East Rutherford, NJ 07073

ROC 55X

Page: 8 of 9  
Date Prepared: December 6, 2024  
SDS No.: 9158

## SECTION 13: DISPOSAL CONSIDERATIONS

Product is a D001 Ignitable Hazardous Waste under RCRA definitions. Dispose of contents/container in accordance with all applicable federal, state, and local regulations.

**Note:** Contaminated product, soil, water, container residues and spill cleanup materials may be hazardous wastes. Appropriate hazardous waste designation is the responsibility of the user.

## SECTION 14: TRANSPORT INFORMATION

ID No.: UN1992  
Proper Shipping Name: FLAMMABLE LIQUID, TOXIC, N.O.S., (methanol solution)  
Hazard Class: 3, (6.1)  
Packing Group: III  
Marine Pollutant: No  
RQ: 5,000 lbs for methanol (CAS# 67-56-1) or about 22, 000 lbs (about 2,600 gallons) of product

## SECTION 15: REGULATORY INFORMATION

**TSCA**  
The ingredients in this product are listed on the TSCA inventory.

**RCRA HAZARD CLASS**  
D001 - Ignitable hazardous waste

**SARA 311/312 REPORTABLE HAZARD CATEGORIES:** Immediate (Acute) Health Fire

### REPORTING REQUIREMENTS (all quantities in pounds)

Component	CAS / 313 Code	Section 302 (EHS) TPQ	Section 304 EHS RQ	CERCLA RQ (1)	Section 313	CAA 112(r) TQ	CWA / OPA
Methanol	67-56-1			5,000	X		
Product RQ for component				22,000 2,600 gal			
(1) Releases exceeding the RQ just be reported to the National Response Center, 800-424-8802 and may be subject to state and local reporting.							

### NEW JERSEY RIGHT-TO-KNOW INFORMATION

This product contains water (CAS 7732-18-5), methanol (CAS 67-56-1), 1,3,5-triazine-1,3,5(2H,4H,6H)-triethanol (CAS 4719-04-4), lauramine oxide (CAS 1643-20-0), ethoxylated C9-11 alcohols (CAS 68439-46-3), and ethoxylated C12-15 alcohols (CAS 68131-39-5).

### CALIFORNIA PROPOSITION 65 INFORMATION



This product can expose you to methanol which is known to the State of California to cause birth defects or other reproductive harm. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)





## SAFETY DATA SHEET

Penetone® Corporation, 375 Murray Hill Pkwy., East Rutherford, NJ 07073

**ROC 55X**

Page: 9 of 9

Date Prepared: December 6, 2024

SDS No.: 9158

### SCAQMD INFORMATION

Is there a photochemically reactive material present? No

What is the % by volume of photochemically reactive material? 0

What is the VOC content? 225 g/l

What is the vapor pressure of VOC's? About 43 mm Hg @ 20°C

## SECTION 16: OTHER INFORMATION

### REVISION SUMMARY

Changes in Header and Section 1

### SUPERSEDES ISSUE DATE

August 31, 2023

### HAZARD RATING SYSTEMS:

	HMIS	NFPA
HEALTH	3	3
FLAMMABILITY	3	3
REACTIVITY	0	0
	B	

### KEY

4 = Severe  
3 = Serious  
2 = Moderate  
1 = Slight  
0 = Minimal

FOR ADDITIONAL PRODUCT INFORMATION, CONTACT YOUR SALES ENGINEER  
FOR ADDITIONAL HEALTH/SAFETY INFORMATION, CALL 201-567-3000

THE INFORMATION PRESENTED HEREIN HAS BEEN COMPILED FROM SOURCES CONSIDERED TO BE DEPENDABLE AND ACCURATE TO THE BEST OF PENETONE'S KNOWLEDGE. THE INFORMATION RELATES TO THIS SPECIFIC MATERIAL. IT MAY NOT BE VALID FOR THIS MATERIAL IF USED IN COMBINATION WITH ANY OTHER MATERIALS OR IN ANY PROCESS. IT IS THE USER'S RESPONSIBILITY TO SATISFY ONESELF AS TO THE SUITABILITY AND COMPLETENESS OF THIS INFORMATION FOR HIS OWN PARTICULAR USE.