

1. IDENTIFICATION

Product Identifier

Product Name ROC 40
Chemical Name Surfactant cleaner and gas freeing aid

Recommended use of the chemical and restrictions on use

Recommended use Enclosed space cleaning and gas freeing 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

| | |
|----------------------------------------------------|-------------|
| Skin corrosion/irritation | Category 2 |
| Serious eye damage/eye irritation | Category 2A |
| Hazardous to the aquatic environment, acute hazard | Category 3 |

Label Elements

WARNING

Hazard Statements

Causes skin irritation
 Causes serious eye irritation
 Harmful to aquatic life



Precautionary Statements - Prevention

Wash face, hands and any exposed skin thoroughly after handling.
 Avoid release to the environment.
 Wear protective gloves/protective clothing/eye protection/face protection.

Precautionary Statements - Response

IF ON SKIN: Wash with plenty of water. If skin irritation occurs, get medical advice/attention. Take off contaminated clothing and wash it before re-use.
 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.

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 % |
|---------------------------------------------|------------|----------|
| sodium lauryl ether sulphate | 9004-82-4 | 3-7 |
| alcohols (C12-C15 In. saturated) ethoxylate | 68131-39-5 | 1-5 |
| amide polyglycol ether | 85536-23-8 | 1-5 |
| lauramine oxide | 1643-20-5 | 1-5 |
| tetrasodium ethylenediaminetetraacetate | 64-02-8 | 1-5 |
| ethanol | 64-17-5 | 0.5-1.5 |

4. FIRST AID MEASURES

| | |
|---------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Ingestion | Rinse mouth. Remove person to fresh air and keep at rest in a position comfortable for breathing. Do not induce vomiting unless directed by medical personnel. Call a POISON CENTER or doctor/physician if you feel concerned or unwell. |
| Skin contact | Wash with plenty of water. If skin irritation occurs, get medical advice/attention. Take off 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. |
| 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. |

Most important symptoms and effects, both acute and delayed

Contact with eyes may cause irritation, 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.

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

None.

Specific hazards arising from the chemical

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

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**

Avoid contact with skin, eyes and clothing. Use personal protective equipment. High risk of slipping due to product leakage/spillage. Use appropriate containment to avoid environmental contamination.

Environmental Precautions

Avoid release to the environment. Prevent further leakage or spillage if safe to do so. 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 plenty of 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 skin, eyes and clothing. Use recommended personal protective equipment.

Conditions for safe storage, including any incompatibilities

Storage Keep containers tightly closed away from direct sunlight, away from incompatible materials.

Incompatible Materials Strong oxidizing materials, acids, amphoteric or light metals.

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 |
|--------------------|----------------|------------------------------------|-----------------------------------------|
| ethanol 64-17-5 | STEL: 1000 ppm | 1900 mg/m ³ 1000 ppm | TWA: 1900 mg/m ³ 1000 ppm |

Appropriate engineering controls

Engineering Controls Under the intended modes of use, exposure control measures are not required.

Individual protection measures, such as personal protective equipment

Eye/face Protection Safety glasses with side shields or goggles.

Skin and body protection Wear protective gloves and protective clothing.

Respiratory Protection Under the intended modes of use, respiratory protection not normally required.

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, green liquid

ODOR

Wintergreen

ODOR THRESHOLD :

Not applicable

pH :

10.45-11.45

MELTING POINT / FREEZING POINT :

-1°C (30°F)

BOILING POINT/BOILING RANGE :

100°C (212°F)

FLASH POINT :

None

EVAPORATION RATE, water = 1 :

1

FLAMMABILITY (SOLID, GAS) :

Not applicable

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

Not applicable

VAPOR DENSITY (Air = 1) :

Not applicable

RELATIVE DENSITY AT 20°C (68°F) :

1.015-1.025

SOLUBILITY IN WATER :

Complete

PARTITION COEFFICIENT, N-OCTANOL/WATER :

Not available

AUTO-IGNITION TEMPERATURE :

None

DECOMPOSITION TEMPERATURE :

Not available

VISCOSITY :

Not available

FLAMMABLE LIMITS :

UPPER : Not applicable **LOWER :** Not applicable

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

Extreme temperatures. Store away from incompatible materials.

Incompatible Materials

Strong oxidizing materials, acids, amphoteric or light metals.

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, nitrogen, and sulfur as well as other low molecular weight hydrocarbons.

11. TOXICOLOGICAL INFORMATION

Acute toxicity

ATE_{mix} – LD50 oral – approx. >10,000mg/kg (rat), LD50 dermal – approx. >18,000mg/kg (rabbit), LC50 inhalation-mists – approx. >40mg/L – 6 h (rat)

| Chemical Name | LD50 Oral | LD50 Dermal | LC50 Inhalation |
|----------------------------------------------------|-------------------------|--------------------------|-------------------------------|
| sodium lauryl ether sulphate 9004-82-4 | >2000 mg/kg (rat) | 2000-5000 mg/kg (rabbit) | Not listed |
| alcohols, C12-C15, ethoxylated 68131-39-5 | >2000 mg/kg (rat) | >2000 mg/kg (rabbit) | Not listed |
| amide polyglycol ether 85536-23-8 | >2000 mg/kg (rat) | >2000 mg/kg (rat) | Not listed |
| lauramine oxide 1643-20-5 | >1065 mg/kg (rat) | >2000 mg/kg (rabbit) | Not listed |
| tetrasodium ethylenediaminetetraacetate 64-02-8 | >1780-<2000 mg/kg (rat) | Not listed | >1 mg/L (aerosol) (rat) – 6 h |
| ethanol 64-17-5 | 6200 mg/kg (rat) | 19999 mg/kg (rabbit) | 8001 mg/L (rat) – 4 h |

Information on likely sources of exposure

| | |
|-------------------------------|-----------------------------------------|
| Ingestion | Expected to be a low ingestion hazard. |
| Skin corrosion/irritation | Causes skin irritation. |
| Inhalation | Expected to be a low inhalation hazard. |
| 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 | Not a sensitizer. |
| Germ cell mutagenicity | None known. |
| Carcinogenicity | No listed carcinogens. |
| Reproductive toxicity | None known. |
| STOT - single exposure | No information available. |
| STOT-repeated exposure | No information available. |
| Aspiration Hazard | None. |

Symptoms related to the physical, chemical and toxicological characteristics

May cause serious eye irritation. Skin irritation. See Section 2 for further characteristics.

12. ECOLOGICAL INFORMATION

Ecotoxicity

| Chemical Name | Fish | Waterflea | Algae |
|---------------|------------------------------------|----------------------|---------------|
| ROC 40 | 35.4 mg/L: 96 h rainbow trout LC50 | 35.4 mg/L: 48 h EC50 | Not available |

Persistence and degradability

BOD (5 day) - 137000 mg/L (full formulation), 95700 mg/L (frag. & dye removed) Accumulation in organisms is not to be expected.
COD - 440000 mg/L (full formulation), 122000 mg/L (frag. & dye removed)
Expected to be potentially biodegradable

Bioaccumulative potential

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

Mobility in soil

No information available

Other adverse effects**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: | Not regulated |
| UN Proper Shipping Name: | Not regulated |
| Transport Hazard Class(es) | |
| Class: | TDG: Not regulated |
| | US DOT: Not regulated |
| | IMDG: Not regulated |
| Label(s): | Not regulated |
| Packing Group: | Not applicable |
| 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: | 1 |
| Flammability: | 0 |
| Reactivity: | 0 |

16. OTHER INFORMATION**Preparation Date**

15 March 2016

Revision Date

16 October 2020

Revision Note

Revision 3 - Modifications to Section 9 (pH)

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