

1. IDENTIFICATION

Product Identifier

Product Name ROC 40

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

Skin corrosion/irritation	Category 2
Serious eye damage/eye irritation	Category 2A
Carcinogenicity	Category 2
Reproductive toxicity	Category 1B
Hazardous to the aquatic environment, acute hazard	Category 3

Label Elements

DANGER

Hazard Statements

Causes skin irritation
Causes serious eye irritation
Suspected of causing cancer
May damage fertility or the unborn child
Harmful to aquatic life



Precautionary Statements - Prevention

Obtain special instructions before use.
Do not handle until all safety precautions have been read and understood.
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 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: Wash with plenty of water. If skin irritation occurs, get medical advice/attention. Take off contaminated clothing and wash it before re-use.
If exposed or concerned: get medical advice/attention.

Precautionary Statements - Storage

Store locked up.

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
cocoamide DEA	68603-42-9	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

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. 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.
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.

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. 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

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 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. Avoid prolonged exposure. Do not handle until all safety precautions or special instructions have been read and understood.

Conditions for safe storage, including any incompatibilities

Storage Keep containers tightly closed away from direct sunlight, 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
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 Wear respiratory protection in case of mist/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, green liquid

ODOR

Wintergreen

ODOR THRESHOLD :

Not applicable

pH :

9.9-10.9

MELTING POINT / FREEZING POINT :

-1°C

BOILING POINT/BOILING RANGE :

100°C

FLASH POINT :

None

EVAPORATION RATE, water = 1 :

1

FLAMMABILITY (SOLID, GAS):

Not applicable

VAPOR PRESSURE, mm Hg AT 20°C :

Not applicable

VAPOR DENSITY (Air = 1) :

Not applicable

RELATIVE DENSITY AT 20°C:

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

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
cocoamide DEA 68603-42-9	>5000 mg/kg (rat)	>2000 mg/kg (rabbit)	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

Serious eye damage/irritation	Causes serious eye irritation.
Skin corrosion/irritation	Causes skin irritation.
Ingestion	Expected to be a low ingestion hazard.
Inhalation	Expected to be a low inhalation hazard.

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	Cocoamide DEA (CAS 68603-42-9)	2B Possibly carcinogenic to humans
Reproductive toxicity	Cocoamide DEA (CAS 68603-42-9)	1B May damage fertility or the unborn child
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)
 COD - 440000 mg/L (full formulation), 122000 mg/L (frag. & dye removed)
 Expected to be potentially 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

Not regulated

15. REGULATORY INFORMATION

All ingredients are listed on the DSL

16. OTHER INFORMATION

Preparation Date

15 March, 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