

1. IDENTIFICATION

Product Identifier

Product Name CITRIKLEEN SC

Recommended use of the chemical and restrictions on use

Recommended use Degreaser – multi-purpose, fabric care
Restrictions on use For commercial or 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
Skin sensitizer	Category 1
Carcinogenicity	Category 2
Reproductive toxicity	Category 1B
Specific target organ toxicity – single exposure	Category 3
Aspiration hazard	Category 1
Hazardous to the aquatic environment, acute hazard	Category 3

Label Elements

WARNING

Hazard Statements

Causes skin irritation
Causes serious eye irritation
May cause an allergic skin reaction
Suspected of causing cancer
May damage fertility or the unborn child
May cause respiratory irritation
May be fatal if swallowed and enters airways
Harmful to aquatic life



Precautionary Statements - Prevention

Obtain special instructions before use.
Do not handle until all safety precautions have been read and understood.
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.
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: Wash with plenty of water. If skin irritation occurs: get medical advice/attention. Take off contaminated clothing and wash it before reuse.
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. Do NOT induce vomiting. Immediately call a POISON CENTER or doctor/physician.
If exposed or concerned: get medical advice/attention.

Precautionary Statements - Storage

Store in a well ventilated place. Keep container tightly closed. 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 %
dipentene	68956-56-9	7-13
diethylene glycol monobutyl ether	112-34-5	5-10
cocoamide DEA	68603-42-9	1-5
triethanolamine dodecylbenzene sulfonate	27323-41-7	1-5
alcohols, C9-C11, ethoxylated	68439-46-3	1-5
poly(oxy-1,2-ethanediyl), alpha-undecyl-omega-hydroxy-	34398-01-1	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 Wash with plenty of water. If skin irritation or rash 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. 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 irritation leading to discomfort or pain, excess blinking and tear production with marked excess redness and swelling of the conjunctiva, and blurred vision. Contact with skin may cause irritation with local redness and aggravate previous medical skin conditions. Contact may also cause an allergic skin reaction 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. Ingestion may cause pneumonitis if aspirated into lungs.

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 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

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 and inhalation of mist/vapors/spray. Avoid contact with skin, eyes and clothing.

Conditions for safe storage, including any incompatibilities

Storage Keep containers tightly closed away from direct sunlight in a 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
diethylene glycol monobutyl ether 112-34-5	TWA: 10 ppm	Not available	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 Under the intended modes of use, exposure control measures 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 is 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, orange liquid ODOR Citrus/pine ODOR THRESHOLD : Not applicable pH : 7.5-8.5 MELTING POINT / FREEZING POINT : Approx. 0°C BOILING POINT/BOILING RANGE : Approx. 100°C FLASH POINT : None EVAPORATION RATE, water = 1 : 1 FLAMMABILITY (SOLID, GAS): Not applicable	VAPOR PRESSURE, mm Hg AT 20°C : Equal to water VAPOR DENSITY (Air = 1) : Not available RELATIVE DENSITY AT 20°C: 0.975-0.985 SOLUBILITY IN WATER : Forms stable emulsion 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
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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

Store away from incompatible materials.

Incompatible Materials

Acids, strong oxidizing agents

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. \geq 7246 mg/kg (rat), LD50 dermal – approx. > 10000 mg/kg (rabbit)

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
dipentene 68956-56-9	>2000 mg/kg (rat)	Not listed	Not listed
diethylene glycol monobutyl ether 112-34-5	3384 mg/kg (rat)	2700 mg/kg (rabbit)	Not listed
cocoamide DEA 68603-42-9	>5000 mg/kg (rat)	>2000 mg/kg (rabbit)	Not listed
triethanolamine dodecylbenzene sulfonate 27323-41-7	500-2000 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
poly(oxy-1,2-ethanediyl), alpha-undecyl-omega-hydroxy- 34398-01-1	>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.
Serious eye damage/irritation	Causes serious eye irritation.
Skin corrosion/irritation	Causes skin irritation and possible sensitization.
Ingestion	May be fatal if swallowed and enters airways.

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

Respiratory or skin sensitization	dipentene (CAS 68956-56-9)	1 May cause an allergic skin reaction
Germ cell mutagenicity	No information available.	
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	dipentene (CAS 68956-56-9)	3 May cause respiratory irritation
STOT - repeated exposure	No information available	
Aspiration Hazard	dipentene (CAS 68956-56-9)	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
diethylene glycol monobutyl ether 112-34-5	1300 mg/L: 96 h <i>Iepomis macrochirus</i> LC50	Not available	>100 mg/L: 96 h <i>desmodesmus subspicatus</i> EC50
cocoamide DEA 68603-42-9	<10 mg/L: 96 h LC50	<10 mg/L: 48 h LC50	<10 mg/L: 72 h LC50
triethanolamine dodecylbenzene sulfonate 27323-41-7	6 mg/L: 96 h LC50	6.9 mg/L: 48 h <i>Daphnia magna</i> EC50	50-100 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
poly(oxy-1,2-ethanediyl), alpha-undecyl-omega-hydroxy- 34398-01-1	5-10 mg/L: 96 h LC50	5-10 mg/L: 48 h EC50	10-100 mg/L: 72 h EC50
triethanolamine 102-71-6	11800 mg/L: 96 h <i>pimephales promelas</i> LC50	1390 mg/L: 24 h <i>daphnia magna</i> EC50	169 mg/L: 96 h <i>desmodesmus subspicatus</i> 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**

Not regulated

15. REGULATORY INFORMATION

All ingredients are listed on the DSL

16. OTHER INFORMATION

Preparation Date 23 November, 2016
Revision Date not applicable
Revision Note not applicable

Disclaimer

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End of SDS