

1. IDENTIFICATION

Product Identifier

Product Name CITRIKLEEN CA 35

Recommended use of the chemical and restrictions on use

Recommended use Degreaser
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
Skin corrosion/irritation	Category 1C
Serious eye damage/eye irritation	Category 1
Skin sensitizer	Category 1
Specific target organ toxicity – single exposure	Category 3
Aspiration hazard	Category 1
Hazardous to the aquatic environment, acute hazard	Category 3

Label Elements

DANGER

Hazard Statements

Flammable liquid and vapor
 Causes severe skin burns and eye damage
 May cause an allergic skin reaction
 May cause respiratory irritation
 May be fatal if swallowed and enters airways
 Harmful to aquatic life



Precautionary Statements - Prevention

Keep away from open flame.
 Keep container tightly closed.
 Do not breathe dusts or mists.
 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. Immediately call a POISON CENTER or doctor/physician.

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.

IF INHALED: Remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTER or doctor/physician.

IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Immediately call a POISON CENTER or doctor/physician.

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 %
dipentene	68956-56-9	15-40
ethanolammonium dodecylbenzenesulfonate	26836-07-7	7-13
poly(oxy-1,2-ethanediyl),alpha-undecyl-omega-hydroxy-	34398-01-1	5-10
diethylene glycol monobutyl ether	112-34-5	1-5
2-aminoethanol	141-43-5	1-5
tetrasodium ethylenediaminetetraacetate	64-02-8	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. Immediately call a POISON CENTER or doctor/physician
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 damage leading to irritation, discomfort or pain, excess blinking and tear production with marked excess redness and swelling of the conjunctiva, blurred vision, and possible corneal injury. Contact with skin may cause burns or 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

Ensure adequate ventilation. Remove all sources of ignition. 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 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.

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, 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
2-aminoethanol 141-43-5	TWA : 3 ppm/7.5 mg/m ³ STEL : 6 ppm/15 mg/m ³	3 ppm/6 mg/m ³	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.

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

Citrus/pine

ODOR THRESHOLD :

Not applicable

pH :

9.5-10.5

MELTING POINT / FREEZING POINT :

Not available

BOILING POINT/BOILING RANGE :

Approx. 100°C

FLASH POINT :

47°C (TCC)

EVAPORATION RATE, water = 1 :

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:

0.950-0.960

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**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, amphoteric or light metals.

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**

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
dipentene 68956-56-9	>2000 mg/kg (rat)	Not listed	Not listed
ethanolammonium dodecylbenzenesulfonate 26836-07-7	Not listed	Not listed	Not listed
poly(oxy-1,2-ethanediyl),alpha-undecyl-omega-hydroxy- 34398-01-1	>2000 mg/kg (rat)	>2000 mg/kg (rabbit)	Not listed
diethylene glycol monobutyl ether 112-34-5	3384 mg/kg (rat)	2700 mg/kg (rabbit)	Not listed
2-aminoethanol 141-43-5	1720 mg/kg (rat)	1000 mg/kg (rabbit)	Not listed
tetrasodium ethylenediaminetetraacetate 64-02-8	>1780-<2000 mg/kg (rat)	Not listed	>1 mg/L (aerosol) (rat) – 6 h

Information on likely sources of exposure**Inhalation**

May cause respiratory irritation and possible damage

Serious eye damage/irritation

Causes serious eye damage.

Skin corrosion/irritation

Causes skin irritation and possible sensitization.

Ingestion

May be harmful if swallowed

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	No information available		
Reproductive toxicity	No information available		
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
poly(oxy-1,2-ethanediyl),alpha-undecyl-omega-hydroxy-34398-01-1	5-10 mg/L: 96 h	5-10 mg/L: 48 h	10-100 mg/L: 72 h
diethylene glycol monobutyl ether 112-34-5	1300 mg/L: 96 h lepomis macrochirus LC50	Not available	>100 mg/L: 96 h desmodesmus subspicatus EC50
2-aminoethanol 141-43-5	150 mg/L: 96 h rainbow trout LC50	Not available	Not available
tetrasodium ethylenediaminetetraacetate 64-02-8	>100 mg/L: 96 h lepomis macrochirus LC50	>100 mg/L: 48 h daphnia magna	>100 mg/L: 72 h green alage EC50

Persistence and degradability

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**

UN 2924, Flammable Liquid, Corrosive, N.O.S. (dipentene, ethanolamine solution), Class 3 (8), PG III

15. REGULATORY INFORMATION

All ingredients are listed on the DSL

16. OTHER INFORMATION**Preparation Date**

5 April, 2016

Revision Date

10 November, 2017

Revision Note

Update to Section 2 - Skin corrosion/irritation classification

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