

1. IDENTIFICATION

Product Identifier

Product Name CITRIKLEEN HDC
Chemical Name Alkali solvent emulsion degreaser

Recommended use of the chemical and restrictions on use

Recommended use Degreasing 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

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 heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
 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 should 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 SWALLOWED: Rinse mouth. Do NOT induce vomiting. 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 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.

In case of fire: Use CO₂, foam, dry chemical, water fog to extinguish.

Precautionary Statements - Storage

Store locked up. Store in a well ventilated place. 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	10-30
ethanolammonium fatty acid soap	68440-25-5	7-13
2-aminoethanol	141-43-5	7-13
diethylene glycol monobutyl ether	112-34-5	5-10
poly(oxy-1,2-ethanediyl),alpha-undecyl-omega-hydroxy-	34398-01-1	5-10
dipropylene glycol	25265-71-8	1-5

4. FIRST AID MEASURES

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

Skin contact 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.

Inhalation If difficulties occur after mist/vapors/spray have 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. 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. Contact with skin may cause irritation or burns with local redness or blistering. May 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. Ingestion may cause irritation or a burning sensation of the mouth and throat and abdominal pain. May cause pneumonitis if aspirated.

Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media

CO₂, foam, dry chemical, water fog.

Unsuitable Extinguishing Media

Do not use a solid water stream as this may spread the fire.

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 with skin, eyes and clothing. Ensure thorough ventilation of work areas. Use recommended personal protective equipment.

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.

Individual protection measures, such as personal protective equipment

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

Skin and body protection Wear rubber or neoprene gloves, rubber apron and boots.

Respiratory Protection If exposure limits are exceeded or if ventilation is inadequate, NIOSH/MSHA approved respiratory protection for organic vapors should be worn.

General Hygiene Considerations Handle in accordance with good industrial hygiene and safety practice.

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE : Clear, amber liquid ODOR : Pine ODOR THRESHOLD : Not applicable pH : 10.9-11.1 MELTING POINT / FREEZING POINT : Not available BOILING POINT/BOILING RANGE : 100°C (212°F) FLASH POINT : 52°C / 126°F (TCC); 68°C / 154°F (COC) 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) : 0.950-0.955 SOLUBILITY IN WATER : Forms stable emulsion PARTITION COEFFICIENT, N-OCTANOL/WATER : Not available AUTO-IGNITION TEMPERATURE : Not available DECOMPOSITION TEMPERATURE : Not available VISCOSITY : < 10 cps FLAMMABLE LIMITS : UPPER : Not available LOWER : Not available
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10. STABILITY AND REACTIVITY

Reactivity

Not reactive.

Conditions to Avoid

Avoid all sources of ignition: open flame. Store away from incompatible materials.

Chemical Stability

Stable under normal conditions.

Possibility of hazardous reactions

Under normal conditions of storage and use, hazardous reactions will not occur.

Incompatible Materials

Strong oxidizing agents, acids.

Hazardous decomposition products

None.

11. TOXICOLOGICAL INFORMATION

Acute toxicity
ATE_{mix} – LD50 oral – approx. >3400 mg/kg (rat), LD50 dermal – approx. >3800 mg/kg (rabbit)

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
dipentene 68956-56-9	>2000 mg/kg (rat)	Not listed	Not listed
Ethanolammonium fatty acid soap 68440-25-5	Not available	Not available	Not available
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 available
2-aminoethanol 141-43-5	1720 mg/kg (rat)	1000 mg/kg (rabbit)	Not listed
dipropylene glycol 25265-71-8	14800 mg/kg (rat)	>5000 mg/kg (rabbit)	Not applicable

Information on likely sources of exposure
Ingestion

May be harmful if swallowed.

Skin corrosion/irritation

Causes skin irritation or burns and possible sensitization.

Inhalation

May cause respiratory irritation and possible damage.

Serious eye damage/irritation

Causes serious eye damage.

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	None known	
Carcinogenicity	No listed human carcinogens.	
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

Eye damage or irritation. Skin irritation or burns and possible sensitization. Ingestion may cause irritation or burns of mouth, esophagus and stomach, abdominal pain, nausea, vomiting, diarrhea, and possible pneumonitis if aspirated in lungs. Inhalation may cause irritation of nose, mouth, and upper respiratory tract, coughing, difficulty breathing, as well as headaches dizziness or nausea at high concentrations.

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 leptomis 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
dipropylene glycol 25265-71-8	> 10000 mg/L: 96 h fathead minnow LC50	> 10000 mg/L: 48 h	Not available

Persistence and degradability

Not expected to be readily biodegradable.

BOD₅ = 353000 mg/L

COD = 1530000 mg/L

Bioaccumulative potential

Accumulation in organisms is not to be expected.

Mobility in soil

No information available

Other adverse effects

None known

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:	2924
UN Proper Shipping Name:	Flammable Liquid, Corrosive, N.O.S. (terpenes, ethanolamine)
Transport Hazard Class(es)	
Class:	TDG: 3 (8) US DOT: 3 (8) IMDG: 3 (8)
Label(s):	3 (8)
Packing Group:	III
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:	2
Flammability:	2
Reactivity:	0

16. OTHER INFORMATION**Preparation Date**

May 4, 2018

Revision Date**Revision 2** - 17 April 2019**Revision Note**

Correction in composition information

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