

SAFETY DATA SHEET

CITRATECH DM

Infosafe No.: FACI9
ISSUED Date : 30/06/2020
ISSUED by: NCH AUSTRALIA PTY LTD

1. Identification

GHS Product Identifier

CITRATECH DM

Product Code

0492

Company name

NCH AUSTRALIA PTY LTD

Address

N2, 391, PARK ROAD REGENTS PARK
NSW 2143 AUSTRALIA

Telephone/Fax Number

Tel: +61-2-96690260

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Emergency phone number

+61-2-96690237/0401718972

Recommended use of the chemical and restrictions on use

Cleaning agent

Additional Information

Chemical nature: Solvent mixture

2. Hazard Identification

GHS classification of the substance/mixture

Aspiration Hazard: Category 1

Sensitization - Skin: Category 1

Skin Corrosion/Irritation: Category 2

Flammable Liquids: Category 4

Signal Word (s)

DANGER

Hazard Statement (s)

H304 May be fatal if swallowed and enters airways.

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

H227 Combustible liquid.

Precautionary statement – General

Not Applicable

Pictogram (s)

Exclamation mark, Health hazard



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Precautionary statement – Prevention

P210 Keep away from heat/sparks/open flames/hot surfaces. – No smoking.
P264 Wash contaminated skin thoroughly after handling.
P272 Contaminated work clothing should not be allowed out of the workplace.
P280 Wear protective gloves/protective clothing/eye protection/face protection.

Precautionary statement – Response

P301+P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
P302+P352 IF ON SKIN: Wash with plenty of soap and water.
P333+P313 If skin irritation or rash occurs: Get medical advice/attention.
P363 Wash contaminated clothing before reuse.
P370+P378 In case of fire: Use water, alcohol foam, dry chemical or carbon dioxide for extinction.

Precautionary statement – Storage

P403+P235 Store in a well-ventilated place. Keep cool.
P405 Store locked up.

Precautionary statement – Disposal

P501 Dispose of contents and container in accordance with applicable regulations

Other Information

Mixture or Pure Substance: Mixture

3. Composition/information on ingredients

Information on Composition

Component: DISTILLATES (PETROLEUM) HYDROTREATED LIGHT
ENCS: Present

Component: D-Limonene
ENCS: Present

Ingredients

Name	CAS	Proportion
Non Hazardous Ingredients		0-10 Wt%
Distillates (Petroleum) Hydrotreated Light	64742-47-8	50-70 Wt%
d-Limonene	5989-27-5	0-10 Wt%

4. First-aid measures

First Aid Measures

General advice: Avoid contact with skin, eyes and clothing. Avoid breathing vapours or mists.

Inhalation

Move to fresh air. In case of shortness of breath, give oxygen. If breathing has stopped, apply artificial respiration. Get medical attention immediately.

Ingestion

Drink 1 or 2 glasses of water. Do NOT induce vomiting. Get medical attention immediately.
Never give anything by mouth to an unconscious person.

Skin

Wash off immediately with plenty of water for at least 15 minutes.
Remove contaminated clothing and shoes. Get medical attention if irritation develops and persists. Wash contaminated clothing before re-use.

Eye contact

Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Get medical attention immediately.

Advice to Doctor

Aspiration hazard if swallowed - can enter lungs and cause damage.

5. Fire-fighting measures

Suitable Extinguishing Media

Foam. Dry chemical. Water spray. Carbon dioxide (CO₂), Foam, Dry Chemical or Water fog. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Specific Hazards Arising From The Chemical

Solvent vapours are heavier than air and may spread along floors. Vapours may ignite and explode. Material can create slippery conditions.

Precautions in connection with Fire

Wear self-contained breathing apparatus pressure-demand, Safe Work, Australia (approved or equivalent) and full protective gear.

6. Accidental release measures

Methods And Materials For Containment And Cleaning Up

Contain spillage, soak up with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and transfer to a container for disposal according to local / national regulations (see section 13(Disposal Considerations)).

Use clean non-sparking tools to collect absorbed material.

Personal Precautions

Use personal protective equipment. Remove all sources of ignition. Ensure adequate ventilation. Prevent further leakage or spillage if safe to do so. Material can create slippery conditions.

Environmental Precautions

Do not flush into surface water or sanitary sewer system. Prevent product from entering drains.

Other Information

Neutralizing Agent: Not applicable.

7. Handling and storage

Precautions for Safe Handling

Keep away from open flames, hot surfaces and sources of ignition

Avoid contact with skin, eyes and clothing

Avoid breathing vapours or mists

Conditions for safe storage, including any incompatibilities

Keep away from heat and sources of ignition

Store in original container

Keep containers tightly closed in a cool, well-ventilated place

Storage Conditions: Indoor

Storage Temperatures

Minimum: 2 °C

Maximum: 49 °C

8. Exposure controls/personal protection

Occupational exposure limit values

Component: DISTILLATES (PETROLEUM) HYDROTREATED LIGHT

ES-TWA:

ISHL: no data available

ACGIH TLV: No data available

Component: D-Limonene

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ES-TWA:
ISHL: no data available
ACGIH TLV: No data available

Component: NON HAZARDOUS INGREDIENTS

ES-TWA:
ISHL: no data available
ACGIH TLV: No data available

Appropriate engineering controls

Use with local exhaust ventilation. Ensure adequate ventilation, especially in confined areas.

Respiratory Protection

In case of inadequate ventilation wear respiratory protection When workers are facing concentrations above the exposure limit they must use appropriate certified respirators

Eye Protection

Tightly fitting safety goggles.

Hand Protection

Protective gloves

Body Protection

Skin Protection: Wear suitable protective clothing, Impervious gloves.

Hygiene Measures

Remove and wash contaminated clothing before re-use. Ensure that eyewash stations and safety showers are close to the workstation location.

9. Physical and chemical properties

Properties	Description	Properties	Description
Form	Liquid	Appearance	Transparent
Colour	Yellow-orange	Odour	Orange
Melting Point	No data available	Freezing Point	No information available
Boiling Point	196°C	Solubility	Emulsifiable
Specific Gravity	0.82 (at 25 °C : Water = 1)	pH	Not applicable
Vapour Pressure	0.47 mm Hg @ 21 Degrees C	Vapour Density (Air=1)	4.5 (Air = 1.0)
Evaporation Rate	0.06 (Butyl acetate=1)	Odour Threshold	No data available
Viscosity	Non viscous	Volatile Component	>90 %
Flash Point	>60°C (Setaflash Closed Cup)	Auto-Ignition Temperature	No information available.
Flammable Limits - Lower	0.7 %: Mixture	Flammable Limits - Upper	6.1 %: Mixture
Molecular Weight	No data available		

Other Information

VOC Content (%): No information available
VOC Content (g/L): No information available

10. Stability and reactivity

Chemical Stability

Stable. Hazardous polymerization does not occur.

Conditions to Avoid

Keep away from open flames, hot surfaces, and sources of ignition

Incompatible materials

Strong oxidizing agents, Acids, Acid chlorides, Highly halogenated compounds.

Hazardous Decomposition Products

Carbon oxides, Smoke.

Possibility of hazardous reactions

None under normal processing.

11. Toxicological Information

Toxicology Information

Product Information

Principle Route of Exposure: Eye contact, Skin contact, Inhalation.

The following values are calculated based on chapter 3.1 of the GHS document (Rev. 3, 2009):

Primary Routes of Entry: Inhalation, Skin Absorption.

Target Organ Effects: Central nervous system, Lungs, Bone Marrow, Kidney, Liver, Bladder.

Aggravated Medical Conditions: Respiratory disorders, Skin disorders, Kidney disorders, Liver disorders.

Acute Toxicity - Oral

LD50: 4,465.00 mg/kg

Acute Toxicity - Inhalation

LC50:

Gas: Not applicable

Mist: not applicable

Vapour: not applicable

Acute Toxicity - Dermal

LD50: 1,101.00 mg/kg

Ingestion

Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhoea. Aspiration hazard if swallowed - can enter lungs and cause damage. May be fatal if swallowed and enters airways.

Inhalation

May cause irritation of respiratory tract & mucous membrane. Inhalation may cause central nervous system effects. May cause central nervous system depression. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. May cause allergic respiratory reaction.

Skin

Causes skin irritation. May cause allergic skin reaction.

Eye

Severe irritation.

Carcinogenicity

There are no known carcinogenic chemicals in this product.

Component: DISTILLATES (PETROLEUM) HYDROTREATED LIGHT

ES: not applicable

ACGIH: not applicable

IARC: not applicable

NTP: not applicable

Other: not applicable

Component: D-Limonene

ES: not applicable

ACGIH: not applicable

IARC: not applicable

NTP: not applicable

Other: not applicable

Component: NON HAZARDOUS INGREDIENTS

ES: not applicable

ACGIH: not applicable

IARC: not applicable

NTP: not applicable

Other: not applicable

Subchronic/Chronic Toxicity

Component: DISTILLATES (PETROLEUM) HYDROTREATED LIGHT

Mutagenicity: no data available

Sensitization: no data available

Developmental Toxicity: no data available

Reproductive Toxicity: no data available

Target Organ Effects: no data available

Component: D-Limonene

Mutagenicity: no data available

Sensitization: Skin sensitization Respiratory sensitizer

Developmental Toxicity: no data available

Reproductive Toxicity: no data available

Target Organ Effects: CNS, immune system, lungs, liver, kidneys

Component: NON HAZARDOUS INGREDIENTS

Mutagenicity: no data available

Sensitization: no data available

Developmental Toxicity: no data available

Reproductive Toxicity: no data available

Target Organ Effects: no data available

Chronic Effects

May cause sensitization by skin contact, May cause sensitization by inhalation, Prolonged skin contact may defat the skin and produce dermatitis, Liver and kidney injuries may occur.

Other Information

Component Information

Acute Toxicity

Component: DISTILLATES (PETROLEUM) HYDROTREATED LIGHT

Oral LD50: > 5000 mg/kg (Rat)

Dermal LD50: > 2000 mg/kg (Rabbit)

Inhalation LC50: > 5.2 mg/L (Rat) 4 h

Draize Test: no data available

Other: no data available

Component: D-Limonene

Oral LD50: = 4400 mg/kg (Rat)

Dermal LD50: > 5 g/kg (Rabbit)

Inhalation LC50: no data available

Draize Test: no data available

Other: no data available

Component: NON HAZARDOUS INGREDIENTS

Oral LD50: no data available

Dermal LD50: no data available

Inhalation LC50: no data available

Draize Test: no data available

Other: no data available

12. Ecological information

Ecological information

Product Information: No data available

Component: DISTILLATES (PETROLEUM) HYDROTREATED LIGHT

Toxicity to Algae: no data available

Toxicity to Fish:

LC50 = 2.2 mg/L *Lepomis macrochirus* 96 h

LC50 = 2.4 mg/L *Oncorhynchus mykiss* 96 h

LC50 = 45 mg/L *Pimephales promelas* 96 h

Microtox: no data available

Water Flea: Not applicable

log Pow: N/A

Component: D-Limonene

Toxicity to Algae: no data available

Toxicity to Fish:

LC50 0.619 - 0.796 mg/L *Pimephales promelas* 96 h

LC50 = 35 mg/L *Oncorhynchus mykiss* 96 h

Microtox: no data available

Water Flea: Not applicable

log Pow: N/A

Component: NON HAZARDOUS INGREDIENTS

Toxicity to Algae: no data available

Toxicity to Fish: no data available

Microtox: no data available

Water Flea: Not applicable

log Pow: N/A

Ecotoxicity

Can harm aquatic organisms.

Persistence and degradability

No specific information.

Mobility

No information available

Bioaccumulative Potential

No information available

13. Disposal considerations

Product Disposal

Dispose of in accordance with local regulations.

Container Disposal

Empty containers should be taken for local recycling, recovery, or waste disposal.

14. Transport information

U.N. Number

None Allocated

UN proper shipping name

None Allocated

Transport hazard class(es)

None Allocated

UN Number (Air Transport, ICAO)

NCAD

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IATA/ICAO Proper Shipping Name

Not dangerous for conveyance under IATA code

IMDG UN No

NCAD

IMDG Proper Shipping Name

Not dangerous for conveyance under IMO/IMDG code

Other Information

ADG 7

Not regulated

15. Regulatory information

Poisons Schedule

S5

16. Other Information

References

No information available.

User Codes

User Title Label	User Codes
Wis Numbers	03273103

Signature of Preparer/Data Service

Arvind Rane

Revisions Highlighted

GHS-SDS FORMAT

Other Information

Super cedes Date: DEC 2016

Glossary: No information available.

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END OF SDS

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