

SAFETY DATA SHEET CITRUS KLAU PLUS

Supersedes Date: 12/21/2020

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1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: CITRUS KLAU PLUS
Recommended use Cleaning agent
Information on Manufacturer
CERTIFIED LABS, DIV. OF NCH CORP.
BOX 152170
IRVING, TEXAS 75015

Product Code: 0724
Chemical nature Solvent mixture
Emergency Telephone
CHEMTREC® 800-424-9300
Telephone inquiry
972-579-2477

2. HAZARD IDENTIFICATION

Color Straw to Amber
Appearance Transparent

Physical state Liquid

Odor Citrus

GHS

Classification

Physical Hazards

None

Health Hazard

Skin corrosion/irritation
Serious eye damage/eye irritation
Skin sensitization
Aspiration hazard

Category 2
Category 2A
Category 1A
Category 1

Hazards not otherwise classified (HNOC)

Not applied

Labeling

Signal word

Danger



Hazard statements

Causes skin irritation
Causes serious eye irritation
May cause an allergic skin reaction
May be fatal if swallowed and enters airways

Precautionary statements

Wear protective gloves, protective clothing and eye protection.
Wash face, hands and any exposed skin thoroughly after handling
Contaminated work clothing should not be allowed out of the workplace
Avoid breathing vapors or mists.
IF ON SKIN: Wash with plenty of soap and water. If skin irritation or rash occurs, get medical attention. Take off contaminated clothes and wash before reuse.
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 attention.
IF SWALLOWED: Rinse mouth. DO NOT induce vomiting. Call a physician if unwell.
Dispose of contents and container in accordance with applicable regulations

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical name	CAS No	Weight-%
1-Tetradecene	1120-36-1	45-70
Petroleum distillates, hydrotreated light (<3% DMSO ; VP: 0.02)	64742-47-8	10-30
Amides, Canola-Oil, N-(hydroxyethyl), Ethoxylated	827613-35-4	10-30
D-Limonene	5989-27-5	1-5

*The exact percentage (concentration) of composition has been withheld as a trade secret

4. FIRST AID MEASURES

General advice	Avoid contact with skin, eyes and clothing. Avoid breathing mist and vapor.
Eye contact	Rinse thoroughly with plenty of water, also under the eyelids. Get medical attention if irritation develops and persists.
Skin contact	Wash off immediately with plenty of water for at least 15 minutes. Remove and isolate contaminated clothing and shoes. Get medical attention if irritation develops and persists. Wash contaminated clothing before reuse.
Inhalation	No hazards which require special first aid measures.
Ingestion	Drink 1 or 2 glasses of water. Do NOT induce vomiting. Get medical attention immediately if symptoms occur. Never give anything by mouth to an unconscious person.

Most important symptoms and effects, both acute and delayed

Symptoms No information available.

Indication of any immediate medical attention and special treatment needed

Note to physicians Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Flash Point 201 °F / 94 °C

Method SetaFlash

Flammability Limits in Air %: Solvent mixture.

Upper flammability limit: 6.1

Lower flammability limit: 0.5

Suitable Extinguishing Media

Foam. Alcohol-resistant foam. Carbon dioxide (CO₂). Dry chemical. Water spray. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Specific hazards arising from the chemical

Material can create slippery conditions.

Protective Equipment and Precautions for Firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, NOHSC (approved or equivalent) and full protective gear.

NFPA

Health hazards 2

Flammability 1

Stability 0

HMIS

Health hazards 2

Flammability 1

Physical Hazard 0

6. ACCIDENTAL RELEASE MEASURES

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.

Methods for Containment

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).

Methods for Cleaning Up

Pick up and transfer to properly labeled containers.

Neutralizing Agent

Not applicable.

7. HANDLING AND STORAGE

Handling

Avoid contact with skin, eyes and clothing. Avoid breathing vapors or mists.

Storage

Keep away from heat and sources of ignition. Store in original container. Keep containers tightly closed in a dry, cool and well-ventilated place.

Storage Temperature

Minimum 35 °F / 2 °C

Maximum

130 °F / 54 °C

Storage Conditions

Indoor

X

Outdoor

Heated

Refrigerated

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Guidelines

Chemical name	CAL/OSHA PEL	ACGIH TLV	OSHA PEL	NIOSH
Petroleum distillates, hydrotreated light (<3% DMSO ; VP: 0.02)	No data available	525 mg/m ³ TWA	Not listed	Data lacking

Engineering Measures

Ensure adequate ventilation, especially in confined areas. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction.

Personal Protective Equipment**Eye/Face Protection**

Tightly fitting safety goggles.

Skin Protection

Wear suitable protective clothing. Impervious gloves.

Respiratory Protection

In case of inadequate ventilation wear respiratory protection.

General Hygiene Considerations

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

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state

Liquid

Kinematic viscosity

Non-Viscous

Color	Straw to Amber	Odor	Citrus
Odor threshold	Not applicable	Appearance	Transparent
pH	No information available	Specific Gravity	0.808
Evaporation Rate	0.01 (Butyl acetate=1)	Percent Volatile (Volume)	89.1
VOC content	0.27 Exempt Value	VOC Photoreactive (Y/N)	Yes
VOC Max Use Dilution (g/L)	0.436	VOC Max Use Dilution (wt%)	0.054
VOC Content (g/L)	2.18 Exempt Value	Product VP (mmHg @ 70°F)	1.15025
Relative vapor density	5.2 (air = 1)	Solubility(ies)	Emulsifiable
n-Octanol/Water Partition	No data available	Melting Point/Range	No data available
Decomposition temperature	No data available	Boiling Point/Range	No data available
Flammability (solid, gas)	No data available		
Flash Point	201 °F / 94 °C	Method	SetaFlash
Autoignition Temperature	No information available		
Flammability Limits in Air %:	Solvent mixture	Upper flammability limit:	6.1
		Lower flammability limit:	0.5

10. STABILITY AND REACTIVITY

Chemical Stability	Stable. Hazardous polymerization does not occur.
Conditions to Avoid	Extremes of temperature and direct sunlight.
Incompatible Products	Strong oxidizing agents, Strong acids, Strong bases, Halogenated hydrocarbon, Rubber products, Vinyl compounds.
Decomposition temperature	No data available
Hazardous decomposition products	Carbon oxides, Nitrogen oxides (NOx).
Possibility of Hazardous Reactions	None under normal processing.

11. TOXICOLOGICAL INFORMATION

Product Information No information available

The following values are calculated based on chapter 3.1 of the GHS document

ATEmix (oral)	No information available
ATEmix (dermal)	No information available
Inhalation LC50	
ATEmix (inhalation-gas)	No information available
ATEmix (inhalation-dust/mist)	No information available
ATEmix (inhalation-vapor)	No information available

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

Primary Routes of Entry Skin contact, Skin Absorption.

Acute Effects:

Eyes	Causes serious eye irritation.
Skin	Causes skin irritation. May cause allergic skin reaction.
Inhalation	Low hazard for usual industrial or commercial handling.
Ingestion	Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea. Aspiration hazard if swallowed - can enter lungs and cause damage. May be fatal if swallowed and enters airways.

Chronic toxicity

Target organ effects May cause sensitization by skin contact.

Aggravated Medical Conditions Immune system, Eyes, Skin.

Component Information

Acute Toxicity

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50	Draize Test	Others
1-Tetradecene 1120-36-1	> 10000 mg/kg (Rat)	> 2430 mg/kg (Rabbit)	No information available	No data available	No data available
Petroleum distillates, hydrotreated light (<3% DMSO ; VP: 0.02) 64742-47-8	> 5000 mg/kg (Rat)	> 2000 mg/kg (Rabbit)	> 5.2 mg/L (Rat) 4 h	No data available	No data available
D-Limonene 5989-27-5	4400 mg/kg (Rat)	> 5 g/kg (Rabbit)	No information available	No data available	No data available

Chronic Toxicity

Chemical name	Mutagenicity	Sensitization	Developmental Toxicity	Reproductive Toxicity	Target Organ Effects
Petroleum distillates, hydrotreated light (<3% DMSO ; VP: 0.02) 64742-47-8	No data available	No data available	No data available	No data available	Eyes Skin
D-Limonene 5989-27-5	No data available	Skin sensitization	No data available	No data available	Skin

Carcinogenicity

The table below indicates whether each agency has listed any ingredient as a carcinogen.

Chemical name	ACGIH	IARC	NTP	OSHA	Other
D-Limonene 5989-27-5	-	Group 3	-	-	Not applicable

12. ECOLOGICAL INFORMATION

Product Information No information available

Persistence and Degradability No information available
Bioaccumulation No information available
Mobility No information available

Additional Ecological Information: No information available

Component Information

Chemical name	Toxicity to Algae	Toxicity to Fish	Toxicity to microorganisms	Crustacea	Partition coefficient
1-Tetradecene	EC50 22 - 24 mg/L Pseudokirchneriella subcapitata 96 h	LC50 1 - 3.2 mg/L Brachydanio rerio 96 h LC50 10.0 - 32.0 mg/L Poecilia reticulata 96 h LC50 = 0.39 mg/L Oncorhynchus mykiss 96 h LC50 = 1.06 mg/L Pimephales promelas 96 h	EC50 > 10000 mg/L 6 h	0.74: 48 h Daphnia magna mg/L EC50	-
Petroleum distillates, hydrotreated light (<3% DMSO ; VP: 0.02)	No information available	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	No information available	No information available	-
D-Limonene	No information available	LC50 0.619 - 0.796 mg/L Pimephales promelas 96 h LC50 = 35 mg/L Oncorhynchus mykiss 96 h	No information available	No information available	4.57

Persistence and degradability No information available.
Bioaccumulation No information available.
Mobility 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

DOT Not regulated
TDG Not regulated
ICAO (air) Not regulated
IATA Not regulated
IMDG Not regulated

15. REGULATORY INFORMATION

Inventories
TSCA Listed
DSL/NDSL Listed
US Federal Regulations

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

SARA 311/312 Hazard Categories

Should this product meet EPCRA 311/312 Tier reporting criteria at 40 CFR 370, refer to Section 2 of this SDS for appropriate classifications

CERCLA

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material

16. OTHER INFORMATION

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Revision Note No information available
Glossary No information available
List of References. No information available

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