Safety Data Sheet KLAW, MM

Supercedes Date Not applicable **Issuing Date** 01/22/2016

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name KLAW, MM
Recommended use Cleaning agent Water based degreaser
Information on Manufacturer
CERTIFIED LABS, DIV. OF NCH CORP.
BOX 152170
IRVING, TEXAS 75015

Product Code 5205
Chemical nature Aqueous mixture
Emergency Telephone Number
CHEMTREC® 800-424-9300
Telephone inquiry
972-579-2477

2. HAZARD IDENTIFICATION

Color light Tan **Physical state** liquid **Odor** Citrus - Petroleum

GHS
Classification
Physical Hazards

Gases under pressure	Liquefied gas

Health Hazard

Aspiration Toxicity	Category 1
Skin Corrosion/Irritation	Category 2
Serious Eye Damage/Eye Irritation	Category 2B

Other hazards
None

Labeling
Signal Word
DANGER

Hazard statements
H315 - Causes skin irritation
H320 - Causes eye irritation
H304 - May be fatal if swallowed and enters airways
H280 - Contains gas under pressure; may explode if heated

Precautionary Statements
P210 - Keep away from heat, sparks, open flames or hot surfaces.
P251 - Pressurized container: Do not pierce or burn, even after use
P280 - Wear protective gloves, protective clothing and eye protection.
P264 - Wash face, hands and any exposed skin thoroughly after handling
P302 + P352 - IF ON SKIN: Wash with plenty of soap and water
P332 + P313 - If skin irritation occurs, get medical attention.
P362 - Take off contaminated clothing and wash before reuse
P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337 + P313 - If eye irritation persists, get medical attention.
P301+ P330 + P331 - IF SWALLOWED: Rinse mouth. DO NOT induce vomiting. Call a physician if unwell.
P410 + P403 - Protect from sunlight. Store in a well-ventilated place
P501 - Dispose of contents and container in accordance with applicable local regulations.

16 % of the mixture consists of ingredient(s) of unknown toxicity

3. COMPOSITION / INFORMATION ON INGREDIENTS

Component	CAS No.	Weight % *
1-Tetradecene	1120-36-1	15-40
Petroleum gases, liquified, sweetened	68476-86-8	3-7
Citrus, ext.	94266-47-4	3-7
Tallamide DEA	68155-20-4	3-7

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

4. FIRST AID MEASURES

General advice Avoid breathing vapors, mist, or gas. Avoid contact with skin, eyes and clothing.

Eye Contact Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes.

Skin Contact 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.

Inhalation If inhaled, remove to fresh air. Get medical attention if symptoms occur.

Ingestion Drink 1 or 2 glasses of water. Do NOT induce vomiting. Get medical attention if symptoms occur.

Notes to physician Aspiration hazard if swallowed - can enter lungs and cause damage. May be fatal if swallowed and enters airways.

5. FIRE-FIGHTING MEASURES

Flash Point 220 °F / 104 °C **Method** No data available

Flammability Limits in Air %: Propellant. **Upper:** 9.5 **Lower:** 1.8

Suitable Extinguishing Media

Water spray. Carbon dioxide (CO2). Foam. Dry chemical. 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.

Aerosol Level (NFPA 30B) - 1

NFPA	**Health** 2	**Flammability** 4	**Instability** 0
HMIS	**Health** 2	**Flammability** 4	**Instability** 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 Use clean non-sparking tools to collect absorbed material. Pick up and transfer to properly labeled containers.

Neutralizing Agent Not applicable.

7. HANDLING AND STORAGE

Handling Keep away from open flames, hot surfaces and sources of ignition. Avoid breathing vapors, mist or gas. Avoid contact with skin, eyes and clothing.

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

Storage Temperature **Minimum** 35 °F / 2 °C **Maximum** 120 °F / 49 °C

Storage Conditions **Indoor** X **Outdoor** **Heated** **Refrigerated**

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Guidelines This product does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

Engineering Measures Ensure adequate ventilation, especially in confined areas.

Personal Protective Equipment

- **Eye/Face Protection** Safety glasses with side-shields.
- **Skin Protection** Wear suitable protective clothing, Impervious gloves.
- **Respiratory Protection** In case of inadequate ventilation wear respiratory protection.

General Hygiene Considerations Wear protective gloves/clothing. 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 **Viscosity** Non viscous

Color	light Tan	**Odor**	Citrus - Petroleum
Odor Threshold	Not applicable	**Appearance**	Opaque
pH	9.5	**Specific Gravity**	0.925
Evaporation Rate	No data available	**Percent Volatile (Volume)**	No data available
VOC Content (%)	9.39	**VOC Content (g/L)**	86.9
Vapor Pressure	No data available	**Vapor Density**	No information available
Solubility	Emulsifies	**n-Octanol/Water Partition**	No data available
Melting Point/Range	No data available	**Decomposition Temperature**	No data available
Boiling Point/Range	> 100 °F / 38 °C	**Flammability (solid, gas)**	No data available
Flash Point	220 °F / 104 °C	**Method**	No data available
Autoignition Temperature	No information available.		
Flammability Limits in Air %:	Propellant	**Upper:** 9.5 **Lower:** 1.8	

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 Products	Strong acids, Strong bases.
Decomposition Temperature	No data available
Hazardous Decomposition Products	Carbon oxides.
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

Oral LD50	28,433.00
Dermal LD50	6,909.00
Inhalation LC50	
Gas	No information available
Mist	No information available
Vapor	No information available

Principle Route of Exposure	Skin contact, Eye contact, Inhalation.
Primary Routes of Entry	Skin Absorption, Skin contact.
Acute Effects:	
Eyes	Causes eye irritation.
Skin	Causes skin irritation.
Inhalation	May cause irritation of respiratory tract.
Ingestion	Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea. Aspiration hazard if swallowed - can enter lungs and cause damage.
Chronic Toxicity	No information available.
Target Organ Effects	No information available.
Aggravated Medical Conditions	No information available.

Component Information

Acute Toxicity No information available.

Component	Oral LD50	Dermal LD50	Inhalation LC50	Draize Test	Other
1-Tetradecene 1120-36-1	> 10000 mg/kg (Rat) = 21300 mg/kg (Rat)	> 10000 mg/kg (Rabbit) = 10000 mg/kg (Rabbit) > 2430 mg/kg (Rabbit)	no data available	no data available	no data available

Chronic Toxicity No information available.

Carcinogenicity Contains no ingredient listed as a carcinogen.

12. ECOLOGICAL INFORMATION

Product Information No information available.

Component Information

Component	Toxicity to Algae	Toxicity to Fish	Microtox	Crustacea	log Pow
1-Tetradecene	EC50 22 - 24 mg/L Pseudokirchneriella subcapitata 96 h	LC50 10.0 - 32.0 mg/L Poecilia reticulata 96 h LC50 1 - 3.2 mg/L Brachydanio rerio 96 h LC50 = 1.06 mg/L Pimephales promelas 96 h LC50 = 0.39 mg/L Oncorhynchus mykiss 96 h	EC50 > 10000 mg/L 6 h	0.74: 48 h Daphnia magna mg/L EC50	N/A
Petroleum gases, liquified,	No information available.	No information available.	No information available	No information available.	2.8

sweetened					

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 Contents under pressure. Do not puncture. Empty remaining contents. Empty containers should be taken for local recycling, recovery, or waste disposal.

14. TRANSPORT INFORMATION

DOT
Proper Shipping Name Consumer commodity
Hazard Class ORM-D
Description Consumer commodity, ORM-D

TDG
Proper shipping name Aerosols, Non-Flammable
Hazard Class 2.2
UN-No UN1950
Description UN1950, Aerosols, Non-Flammable, 2.2, LTD QTY

ICAO
UN-No UN1950
Proper Shipping Name Aerosols, Non-Flammable
Hazard Class 2.2
Shipping Description UN1950, Aerosols, Non-Flammable, 2.2, LTD QTY

IATA
UN-No UN1950
Proper Shipping Name Aerosols, Non-Flammable
Hazard Class 2.2
Shipping Description UN1950, Aerosols, Non-Flammable, 2.2, LTD QTY

IMDG/IMO
Proper Shipping Name Aerosols
Hazard Class 2.2
UN-No UN1950
Description UN1950, Aerosols, 2.2, LTD QTY

15. REGULATORY INFORMATION

Inventories
TSCA Complies
DSL Complies
U.S. 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 Hazardous Categorization

Acute Health Hazard	Chronic Health Hazard	Fire Hazard	Sudden Release of Pressure Hazard	Reactive Hazard
Yes	No	No	Yes	No

CERCLA

16. OTHER INFORMATION

Prepared By Adrienne McKee
Supercedes Date Not applicable
Issuing Date 01/22/2016
Reason for Revision No information available.
Glossary No information available.
List of References. No information available.
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