Safety Data Sheet FOAMING CUT THRU AEROSOL, MM

Supercedes Date Not applicable **Issuing Date** 11/24/2015

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name FOAMING CUT THRU AEROSOL, MM
Recommended use Cleaning agent
Information on Manufacturer
CERTIFIED LABS, DIV. OF NCH CORP.
BOX 152170
IRVING, TEXAS 75015

Product Code 5529
Chemical nature Aerosol Organic Aqueous dispersion
Emergency Telephone Number
CHEMTREC® 800-424-9300
Telephone inquiry
972-579-2477

2. HAZARD IDENTIFICATION

Color White **Physical state** liquid **Odor** Citrus

GHS Classification

Physical Hazards

Flammable Aerosols	Category 2
Gases under pressure	Liquefied gas

Health Hazard

Skin sensitization	Category 1

Other hazards
None

Labeling
Signal Word
WARNING

Hazard statements
H223 - Flammable aerosol
H317 - May cause an allergic skin reaction
H280 - Contains gas under pressure; may explode if heated

Precautionary Statements
P210 - Keep away from heat, sparks, open flames or hot surfaces.
P211 - Do not spray on an open flame or other ignition source
P251 - Pressurized container: Do not pierce or burn, even after use
P270 - Do not eat, drink or smoke when using this product.
P280 - Wear protective gloves, protective clothing and eye protection.
P272 - Contaminated work clothing should not be allowed out of the workplace
P261 - Avoid breathing vapors, mist or gas
P302 + P352 - IF ON SKIN: Wash with plenty of soap and water
P333 + P313 - If skin irritation or rash occurs, get medical attention
P363 - Wash contaminated clothing before reuse
P403 - Store in a well-ventilated place
P410 + P412 - Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F
P501 - Dispose of contents and container in accordance with applicable local regulations.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Component	CAS No.	Weight % *
Petroleum gases, liquified, sweetened	68476-86-8	3-7
D-Limonene	5989-27-5	1-5
Sodium metasilicate	6834-92-0	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 vapors, mist, or gas.

Eye Contact Rinse the eyes with water. Remove any contact lenses and continue flushing with plenty of water for several minutes. Seek medical attention if irritation develops.

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

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 immediately. Never give anything by mouth to an unconscious person.

Notes to physician Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Flash Point Flammable **Method** Not applicable

Flammability Limits in Air %: Propellant. **Upper:** 9.5 **Lower:** 1.9

Suitable Extinguishing Media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Specific hazards arising from the chemical

Flammable. Flame extension: 0 inches / 0 cm and Burnback: 0 inch / 0 cm. Solvent vapors are heavier than air and may spread along floors. Vapors may ignite and explode. 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** 1
HMIS	**Health** 2	**Flammability** 4	**Instability** 1

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions Use personal protective equipment. Ensure adequate ventilation. Take precautionary measures against static discharges. Remove all sources of ignition. 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 Keep away from open flames, hot surfaces and sources of ignition. Avoid contact with skin, eyes and clothing. Avoid breathing vapors, mist or gas.

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

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 Use with local exhaust ventilation. 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	White	**Odor**	Citrus
Odor Threshold	Not applicable	**Appearance**	Opaque
pH	12.1	**Specific Gravity**	0.990
Evaporation Rate	0.1 (BuAc = 1)	**Percent Volatile (Volume)**	100

VOC Content (%)	9.8	**VOC Content (g/L)**	97.02
Vapor Pressure	23.8 mmHg @ 77°F	**Vapor Density**	1 (Air=1)
Solubility	Soluble in water	**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	Flammable	**Method**	Not applicable
Autoignition Temperature	No information available.		
Flammability Limits in Air %:	Propellant	**Upper:** 9.5 **Lower:** 1.9	

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.
Decomposition Temperature	No data available
Hazardous Decomposition Products	Carbon monoxide.
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

Dermal LD50	No information available
Inhalation LC50	
Gas	8,578.00
Mist	9.00
Vapor	8,578.00

Principle Route of Exposure	Skin contact, Eye contact, Inhalation, Ingestion.
Primary Routes of Entry	Skin contact, Eye contact, Inhalation, Ingestion.
Acute Effects:	
Eyes	May cause slight irritation.
Skin	May cause allergic skin reaction. May cause skin irritation.
Inhalation	May cause central nervous system depression with nausea, headache, dizziness, vomiting, and incoordination. May cause irritation of respiratory tract.
Ingestion	Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.
Chronic Toxicity	May cause sensitization by skin contact. Prolonged skin contact may defat the skin and produce dermatitis.
Target Organ Effects	None known.
Aggravated Medical Conditions	Respiratory disorders, Skin disorders.

Component Information

Acute Toxicity

Component	Oral LD50	Dermal LD50	Inhalation LC50	Draize Test	Other
D-Limonene 5989-27-5	= 4400 mg/kg (Rat)	> 5 g/kg (Rabbit)	no data available	no data available	no data available
Sodium metasilicate 6834-92-0	= 600 mg/kg (Rat)	no data available	no data available	no data available	no data available

Component	Mutagenicity	Sensitization	Developmental Toxicity	Reproductive Toxicity	Target Organ Effects
D-Limonene 5989-27-5	no data available	Skin sensitization	no data available	no data available	no data available

Carcinogenicity

Component	ACGIH	IARC	NTP	OSHA	Other
D-Limonene 5989-27-5	not applicable	Group 3	not applicable	not applicable	not applicable

12. ECOLOGICAL INFORMATION

Product Information No information available.

Bioaccumulation Not likely to bioaccumulate

Component Information

Component	Toxicity to Algae	Toxicity to Fish	Microtox	Crustacea	log Pow
Petroleum gases, liquified, sweetened	No information available.	No information available.	No information available	No information available.	2.8
D-Limonene	No information available.	LC50 0.619 - 0.796 mg/L Pimephales promelas 96 h LC50 = 35 mg/L Oncorhynchus	No information available	No information available.	N/A

		mykiss 96 h			
Sodium metasilicate	No information available.	LC50 = 210 mg/L Brachydanio rerio 96 h	No information available	No information available.	N/A

Persistence and Degradability No information available.
Bioaccumulation Not likely to bioaccumulate.
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 DOT
- **Proper Shipping Name** Consumer commodity
- **Hazard Class** ORM-D
- **Description** Consumer commodity ,ORM-D,

TDG
- **Proper shipping name** Aerosols
- **Hazard Class** 2.1
- **UN-No** UN1950
- **Description** UN1950, AEROSOLS, 2.1, LTD QTY

ICAO
- **UN-No** UN1950
- **Proper Shipping Name** Aerosols
- **Hazard Class** 2.1
- **Shipping Description** UN1950, AEROSOLS, 2.1, LTD QTY

IATA
- **UN-No** UN1950
- **Proper Shipping Name** Aerosols, flammable
- **Hazard Class** 2.1
- **ERG-Code** 2L
- **Shipping Description** UN1950, AEROSOLS, 2.1, LTD QTY

IMDG/IMO
- **Proper Shipping Name** Aerosols
- **Hazard Class** 2.1
- **UN-No** UN1950
- **EmS No.** F-D, S-U
- **Description** UN1950, AEROSOLS, 2.1, 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	Yes	Yes	Yes	Yes

CERCLA

16. OTHER INFORMATION

Prepared By Laura Strauss
Supercedes Date Not applicable
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Reason for Revision	No information available.
Glossary	No information available.
List of References.	No information available.

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