Safety Data Sheet CUT-THRU EF, MM

Supercedes Date Not applicable **Issuing Date** 01/27/2016

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name CUT-THRU EF, MM
Recommended use Solvent
Information on Manufacturer
CERTIFIED LABS, DIV. OF NCH CORP.
BOX 152170
IRVING, TEXAS 75015

Product Code 5612
Chemical nature Solvent mixture
Emergency Telephone Number
CHEMTREC® 800-424-9300
Telephone inquiry
972-579-2477

2. HAZARD IDENTIFICATION

Color Colorless to Pale yellow **Physical state** liquid **Odor** Citrus

GHS
Classification

Physical Hazards

Flammable Aerosols	Category 1
Gases under pressure	Liquefied gas

Health Hazard

Skin Corrosion/Irritation	Category 2
Serious Eye Damage/Eye Irritation	Category 2A
Skin sensitization	Category 1

Other hazards
None

Labeling
Signal Word
DANGER

Hazard statements
H222 - Extremely flammable aerosol
H317 - May cause an allergic skin reaction
H315 - Causes skin irritation
H319 - Causes serious eye irritation
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.
P261 - Avoid breathing vapors, mist or gas.
P280 - Wear protective gloves, protective clothing and eye protection.
P264 - Wash face, hands and any exposed skin thoroughly after handling
P272 - Contaminated work clothing should not be allowed out of the workplace
P302 + P352 - IF ON SKIN: Wash with plenty of soap and water
P333 + P313 - If skin irritation or rash 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.
P410 + P403 - Protect from sunlight. Store in a well-ventilated place
P412 - 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 % *
D-Limonene	5989-27-5	60-100

Petroleum gases, liquified, sweetened	68476-86-8	10-30

*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. Get medical attention immediately.

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 immediately.

Notes to physician May cause sensitization of susceptible persons.

5. FIRE-FIGHTING MEASURES

Flash Point -15 °F / -26 °C **Method** Seta closed cup

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

Suitable Extinguishing Media

Dry chemical. Carbon dioxide (CO_2). Foam. Water spray or fog. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Specific hazards arising from the chemical

Extremely flammable. Solvent vapors are heavier than air and may spread along floors. Vapors may ignite and explode. Flame extension: >30 inches / >75 cm and Burnback: 1.6 inch / 4 cm. 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) - 3

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 open flames, hot surfaces 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** 122 °F / 50 °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. 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 insufficient ventilation wear suitable respiratory equipment.

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	Colorless to Pale yellow	**Odor**	Citrus
Odor Threshold	Not applicable	**Appearance**	Transparent
pH	Not applicable	**Specific Gravity**	0.860
Evaporation Rate	1 (BuAc = 1)	**Percent Volatile (Volume)**	91.5
VOC Content (%)	91.5	**VOC Content (g/L)**	786.9
Vapor Pressure	2 mmHg @ 68°F	**Vapor Density**	4.7 (Air=1)
Solubility	Soluble	**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	-15 °F / -26 °C	**Method**	Seta closed cup
Autoignition Temperature	No information available.		
Flammability Limits in Air %:	Mixture	**Upper:** 9.5 **Lower:** 1.9	

10. STABILITY AND REACTIVITY

Chemical Stability Stable.

Conditions to Avoid Keep away from open flames, hot surfaces, and sources of ignition, Temperatures above 122 °F.

Incompatible Products Strong oxidizing agents, 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

Dermal LD50 No information available

Inhalation LC50

- **Gas** No information available
- **Mist** No information available
- **Vapor** No information available

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

Primary Routes of Entry Eye contact, Skin contact, Inhalation.

Acute Effects:

- **Eyes** Severe irritation.
- **Skin** Causes skin irritation. May cause allergic skin reaction.
- **Inhalation** May cause irritation of respiratory tract.
- **Ingestion** Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

Chronic Toxicity May cause sensitization by skin contact.

Target Organ Effects No information available.

Aggravated Medical Conditions No information available.

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

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 There are no known carcinogenic chemicals in this product.

12. ECOLOGICAL INFORMATION

Product Information No information available.

Persistence and Degradability Biodegradable.

Bioaccumulation Not likely to bioaccumulate

Mobility This product is mobile in soil

Component Information

Component	Toxicity to Algae	Toxicity to Fish	Microtox	Crustacea	log Pow
D-Limonene	No information available.	LC50 0.619 - 0.796 mg/L Pimephales	No information available	No information available.	N/A

		promelas 96 h LC50 = 35 mg/L Oncorhynchus mykiss 96 h			
Petroleum gases, liquified, sweetened	No information available.	No information available.	No information available	No information available.	2.8

Persistence and Degradability Biodegradable.
Bioaccumulation Not likely to bioaccumulate.
Mobility This product is mobile in soil.

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
Hazard Class 2.1
UN-No UN1950
Description UN1950, AEROSOLS, 2.1, LTD. QTY.

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

IATA
UN-No UN1950
Proper Shipping Name Aerosols, flammable
Hazard Class 2.1
ERG-Code 10L
Shipping Description UN1950, Aerosols, flammable, 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	No	Yes	Yes	No

CERCLA

16. OTHER INFORMATION

Prepared By Laura Strauss

Supercedes Date	Not applicable
Issuing Date	01/27/2016
Reason for Revision	No information available.
Glossary	No information available.
List of References.	No information available.

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