

Material Safety Data Sheet: CUT-THRU

Supersedes Date 08/02/2002

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1. PRODUCT AND COMPANY IDENTIFICATION

Product Name CUT-THRU
Product Code 0480
Information on Manufacturer
 CERTIFIED LABS, DIV. OF NCH CORP.
 BOX 152170
 IRVING, TEXAS 75015

Recommended Use Cleaning agent
Chemical Nature Aqueous surfactant solution
Emergency Telephone Number
 CHEMTREC ® 800-424-9300

2. HAZARDS IDENTIFICATION

Emergency Overview

Warning
 Causes skin irritation
 May cause allergic skin reaction
 Severe eye irritation
 May be harmful if inhaled
 May cause allergic respiratory reaction
 Harmful or fatal if swallowed

Color Orange

Physical State Liquid

Odor orange

Potential Health Effects

Principle Route of Exposure

Skin contact, Eye contact, Inhalation.

Primary Routes of Entry

Inhalation, Skin Absorption.

Acute Effects

Eyes

Severe eye irritant.

Skin

Causes skin irritation. May cause allergic skin reaction.

Inhalation

May cause allergic respiratory reaction. Inhalation may cause central nervous system effects. May cause drowsiness and dizziness.

Ingestion

Irritating to mucous membranes. Aspiration hazard if swallowed - can enter lungs and cause damage.

Chronic Effects

Respiratory or skin sensitization. Lung edema.

Target Organ Effects

Central nervous system, Respiratory system, Skin, Eyes, Bone Marrow, Liver, Kidney.

Aggravated Medical Conditions

Skin disorders. Respiratory system. Neurological disorders.

Potential Environmental Effects

See Section 12 for additional Ecological information.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Component	CAS-No
Hexylene glycol	107-41-5
Rosin	8050-09-7
Fatty acids, tall-oil, compds. with triethanolamine	68132-46-7
Fatty acids, tall-oil, compds. with diethanolamine	61790-66-7
Soyamide diethanolamine	68425-47-8
D-Limonene	5989-27-5

4. FIRST AID MEASURES

General Advice

Do not get in eyes, on skin, or on clothing. Avoid breathing vapors, mist or gas.

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. Get medical attention if irritation develops and persists.

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.

Notes to Physician

Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Flash Point 119°F / 48°C

Method

Seta closed cup

Autoignition Temperature No information available

Flammability Limits in Air % Solvent mixture.

Upper 6.1

Lower 0.7

Suitable Extinguishing Media

Water spray, Carbon dioxide (CO2), Foam, Water.

Specific Hazards Arising from the Chemical

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, MSHA/NIOSH (approved or equivalent) and full protective gear.

NFPA	Health	2	Flammability	2	Instability	0
HMIS	Health	2	Flammability	2	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	Pick up and transfer to properly labeled containers.
Neutralizing Agent	Not applicable.

7. HANDLING AND STORAGE

Handling	Do not get in eyes, on skin, or on clothing. Avoid breathing vapors or mists.			
Storage	Store in original container. Keep tightly closed in a dry and cool place. Keep away from heat and sources of ignition.			
Storage Temperature	Minimum	35°F / 2°C	Maximum	100°F / 38°C
Storage Conditions	Indoor	X	Outdoor	
			Heated	
			Refrigerated	X

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Guidelines

Component	ACGIH TLV	OSHA PEL	NIOSH
Hexylene glycol	Ceiling: 25 ppm	no data available	Ceiling: 125 mg/m ³ Ceiling: 25 ppm
Rosin	No data available	no data available	no data available
Fatty acids, tall-oil, compds. with triethanolamine	No data available	no data available	no data available
Fatty acids, tall-oil, compds. with diethanolamine	No data available	no data available	no data available
Soyamide diethanolamine	No data available	no data available	no data available
D-Limonene	No data available	no data available	no data available

Engineering Measures	Use with local exhaust ventilation. Ensure adequate ventilation, especially in confined areas.
Personal Protective Equipment	
Eye/Face Protection	Tightly fitting safety goggles.
Skin Protection	Impervious gloves.
Respiratory Protection	Use NIOSH approved 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	Viscosity	Slightly Viscous
Color	Orange	Odor	orange
Appearance	Transparent Cloudy	pH	8.7
Specific Gravity	0.885	Bulk Density	7.38
Evaporation Rate	0.2 (Butyl acetate=1)	Percent Volatile (Volume)	84
VOC Content (%)	70.7	VOC Photoreactive (Y/N)	Yes
VOC Max Use Dilution (g/l)	41.7	VOC Max Use Dilution (wt%)	4.7
VOC Content (g/l)	626	Vapor Pressure	11.8 mmHg @ 70 °F
Vapor Density	0.9 (Air = 1.0)	Solubility	Slightly soluble
Boiling Point/Range	378°F / 192°C		

10. STABILITY AND REACTIVITY

Chemical Stability	Stable. Hazardous polymerization does not occur.
Conditions to Avoid	Heat, flames, and sparks.
Incompatible Products	Strong oxidizing agents. Reducing agents. Strong acids. Strong bases.
Hazardous Decomposition Products	Carbon oxides, Sulfur oxides, Nitrogen oxides (NOx).
Possibility of Hazardous Reactions	None under normal processing.

11. TOXICOLOGICAL INFORMATION

Product Information No information available.

Component Information

Acute toxicity

Component	LD50 Oral	LD50 Dermal	LC50 Inhalation	Draize Test	Other
Hexylene glycol	3692 mg/kg (Rat)	8560 µL/kg (Rabbit)	310 mg/m ³ (Rat) 1 h	no data available	no data available
Rosin	3 mg/kg (Rat)	2500 mg/kg (Rabbit)	no data available	no data available	no data available
Fatty acids, tall-oil, compds. with triethanolamine	no data available	no data available	no data available	no data available	no data available
Fatty acids, tall-oil, compds. with diethanolamine	no data available	no data available	no data available	no data available	no data available
Soyamide diethanolamine	no data available	no data available	no data available	no data available	no data available
D-Limonene	4400 mg/kg (Rat)	2000 mg/kg (Rabbit)	no data available	no data available	no data available

Chronic Toxicity

Component	Mutagenicity	Sensitization	Developmental Toxicity	Reproductive Toxicity	Target Organ Effects
Hexylene glycol	no data available	yes	no data available	no data available	skin, eyes, CNS, bone marrow
Rosin	no data available	yes	no data available	no data available	no data available
Fatty acids, tall-oil, compds. with triethanolamine	no data available	no data available	no data available	no data available	no data available
Fatty acids, tall-oil, compds. with diethanolamine	no data available	no data available	no data available	no data available	no data available
Soyamide diethanolamine	no data available	no data available	no data available	no data available	no data available
D-Limonene	no data available	Skin sensitization Respiratory sensitizer	no data available	no data available	CNS, bone marrow, lungs

Carcinogenicity

Component	ACGIH	IARC	NTP	OSHA	Other
Hexylene glycol	not applicable	not applicable	not applicable	not applicable	not applicable
Rosin	not applicable	not applicable	not applicable	not applicable	not applicable
Fatty acids, tall-oil, compds. with triethanolamine	not applicable	not applicable	not applicable	not applicable	not applicable
Fatty acids, tall-oil, compds. with diethanolamine	not applicable	not applicable	not applicable	not applicable	not applicable
Soyamide diethanolamine	not applicable	not applicable	not applicable	not applicable	not applicable
D-Limonene	not applicable	not applicable	not applicable	not applicable	not applicable

12. ECOLOGICAL INFORMATION

Product Information No information available.

Component Information

Component	Toxicity to Algae	Toxicity to Fish	Microtox	Water Flea	log Pow
Hexylene glycol	no data available	LC50= 10700 mg/L Pimephales promelas 96 h LC50= 12800 mg/L Lepomis macrochirus 96 h LC50= 8690 mg/L Pimephales promelas 96 h	EC50 = 3038 mg/L 5 min	EC50 = 3200 mg/L 48 h	0.14
Rosin	EC50= 400 mg/L Scenedesmus subspicatus 72 h	no data available	EC50 = 31.5 mg/L 30 min	EC50 3.8 - 5.4 mg/L 48 h	N/A
Fatty acids, tall-oil, compds. with triethanolamine	no data available	no data available	no data available	no data available	N/A
Fatty acids, tall-oil, compds. with diethanolamine	no data available	no data available	no data available	no data available	N/A
Soyamide diethanolamine	no data available	no data available	no data available	no data available	N/A
D-Limonene	no data available	LC50= 0.702 mg/L Pimephales promelas 96 h	no data available	no data available	N/A

Persistence and Degradability No information available.

Bioaccumulation No information available.

Mobility No information available.

13. DISPOSAL CONSIDERATIONS

Product Disposal Dispose of as hazardous waste in compliance with local and national regulations.

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

14. TRANSPORT INFORMATION**DOT**

Proper Shipping Name COMBUSTIBLE LIQUIDS, N.O.S., (D-LIMONENE)
Hazard Class 3
UN-No UN2052
Packing Group III
Description Dipentene Solution ,3,UN2052,PG III

TDG

Proper shipping name Dipentene Solution
Hazard Class 3
UN-No UN2052
Packing Group III
Description DIPENTENE SOLUTION,3,UN2052,PG III

ICAO

UN-No UN2052
Proper Shipping Name Dipentene Solution
Hazard Class 3
Packing Group III
Shipping Description Dipentene Solution,3,UN2052,PG III

IATA

UN-No	UN2052
Proper Shipping Name	Dipentene Solution
Hazard Class	3
Packing Group	III
ERG Code	3L
Shipping Description	UN2052,Dipentene Solution,3,PG III

IMDG/IMO

Proper Shipping Name	Dipentene Solution
Hazard Class	3
UN-No	UN2052
Packing Group	III
EmS No.	F-E, S-E
Shipping Description	UN2052, Dipentene Solution,3,PG III

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 40n 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	No	No

CERCLA

Component	Hazardous Substances RQs	CERCLA EHS RQs
Hexylene glycol	Not applicable	Not applicable
Rosin	Not applicable	Not applicable
Fatty acids, tall-oil, compds. with triethanolamine	Not applicable	Not applicable
Fatty acids, tall-oil, compds. with diethanolamine	Not applicable	Not applicable
Soyamide diethanolamine	Not applicable	Not applicable
D-Limonene	Not applicable	Not applicable

Canada

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR.

WHMIS Hazard Class

D2B Toxic materials, B3 Combustible liquid.



16. OTHER INFORMATION

Prepared By	Mike McDowell
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Reason for Revision	No information available.
Glossary	No information available.
List of References.	No information available

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