

Safety Data Sheet: CRYOTOOL PLUS CUTTING FLUID

Supersedes Date 04/17/2012

Issuing Date 12/05/2014

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name CRYOTOOL PLUS CUTTING FLUID

Recommended use Cutting fluid

Information on Manufacturer

Partsmaster, Div of NCH Corp.

P.O. Box 655326

Dallas, TX 75265-5326

Product Code 70050000

Chemical nature mixture

Emergency Telephone Number

CHEMTREC® 800-424-9300

Telephone inquiry

800-336-0450

2. HAZARD IDENTIFICATION

Color Amber

Physical State Liquid

Odor Petroleum

GHS

Classification

Physical Hazards

None

Health Hazard

Aspiration Toxicity

Acute Oral Toxicity

Acute Dermal Toxicity

Serious Eye Damage/Eye Irritation

Carcinogenicity

Other hazards

None

Category 1

Category 5

Category 4

Category 2B

Category 1B

Labeling

Signal Word

DANGER



Hazard Statements

H312 - Harmful in contact with skin

H320 - Causes eye irritation

H304 - May be fatal if swallowed and enters airways

H303 - May be harmful if swallowed

H350 - May cause cancer

Precautionary Statements

P201 - Obtain special instructions before use

P202 - Do not handle until all safety precautions have been read and understood

P261 - Avoid breathing mist.

P271 - Use in a well-ventilated area.

P281 - Use personal protective equipment as required

P280 - Wear protective gloves, protective clothing and eye protection.

P264 - Wash face, hands and any exposed skin thoroughly after handling.

P322 - Specific measures (see supplemental first aid instructions on this label)

P301+ P310 - IF SWALLOWED: Immediately call a physician

P331 - DO NOT induce vomiting

P302+ P352 - IF ON SKIN: Wash with plenty of soap and water

P332 + P313 - If skin irritation occurs, get medical attention.

P363 - Wash contaminated clothing before reuse

P304 + P340 - IF INHALED: Remove person to fresh air and keep at rest in a position comfortable for breathing.

P312 - Call a physician if unwell.

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.

P403 + P233 - Store in a well-ventilated place. Keep container tightly closed

P405 - Store locked up

P501 - Dispose of contents and container to an approved waste disposal plant.

45 % of the mixture consists of ingredient(s) of unknown toxicity

3. COMPOSITION / INFORMATION ON INGREDIENTS

Component	CAS-No	Weight %
Petroleum distillates, hydrotreated heavy naphthenic	64742-52-5	40-70
Sodium sulfonate	68608-26-4	10-30
Chlorinated paraffin	61788-76-9	10-30
Sulferized Polymeric Ester	MIXTURE	5-10
Triethanolamine	102-71-6	.1-1

4. FIRST AID MEASURES

General advice	No hazards which require special first aid measures.
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 with soap and plenty of water. No hazards which require special first aid measures. Get medical attention if irritation develops and persists.
Inhalation	Move to fresh air. If inhaled, remove to fresh air. Get medical attention if symptoms occur.
Ingestion	Do NOT induce vomiting. Clean mouth with water and afterwards drink plenty of water. Never give anything by mouth to an unconscious person. Drink 1 or 2 glasses of water. Get medical attention if symptoms occur.
Notes to physician	Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Flash Point	Not applicable	Method	Not applicable
Upper	No data available	Lower	No data available
Suitable Extinguishing Media	Dry powder. Foam. Water spray or fog.		
Unsuitable Extinguishing Media	Do NOT use water jet.		
Specific hazards arising from the chemical	Thermal decomposition can lead to release of irritating gases and vapors. 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 1	Flammability 1	Instability 0
HMIS	Health 1	Flammability 1	Instability 0

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions	Use personal protective equipment. 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	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).
Neutralizing Agent	Not applicable.

7. HANDLING AND STORAGE

Handling	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. Freezing will affect the physical condition but will not damage the material. Thaw and mix before using.			
Storage Temperature	Minimum	No information available	Maximum	No information available
Storage Conditions	Indoor	X	Heated	Refrigerated

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Guidelines	***		
Component	ACGIH TLV	OSHA PEL	NIOSH
Triethanolamine	TWA: 5 mg/m ³	No data available	No data available

Engineering Measures	General ventilation is normally adequate. Ensure adequate ventilation, especially in confined areas.
Personal Protective Equipment	

Eye/Face Protection	Safety glasses with side-shields.
Skin Protection	Nitrile rubber, Neoprene gloves, For prolonged or repeated contact, use protective gloves with appropriate chemical resistance.
Respiratory Protection	No special protective equipment required.
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	No data available
Color	Amber	Odor	Petroleum
Odor Threshold	Not applicable	Appearance	Clear, amber colored
pH	9.0	Specific Gravity	0.90
Evaporation Rate	No information available	Percent Volatile (Volume)	No information available
VOC Content (%)	2.65	Vapor Pressure	<0.5 mmHg @ 68°F
Vapor Density	1.0	Solubility	Soluble
n-Octanol/Water Partition	No data available	Melting Point/Range	No data available
Decomposition Temperature	No data available	Boiling Point/Range	212 °F / 100 °C
Flammability (solid, gas)	No data available	Method	Not applicable
Flash Point	Not applicable		
Autoignition Temperature	No information available.		
Upper	No data available	Lower	No data available

10. STABILITY AND REACTIVITY

Chemical Stability	Stable under normal conditions. Hazardous polymerization does not occur. Stable.
Conditions to Avoid	None known
Incompatible Products	No materials to be especially mentioned
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 (Rev. 3, 2009):

Oral LD50	No information available
Dermal LD50	No information available
Inhalation LC50	
Gas	No information available
Mist	No information available
Vapor	No information available

Principle Route of Exposure Skin contact, Ingestion, Eye contact, Inhalation.
Primary Routes of Entry Ingestion

Acute Effects	
Eyes	May cause slight irritation.
Skin	May cause sensitization by skin contact.
Inhalation	Not hazardous.
Ingestion	Not hazardous.

Chronic Toxicity None known.
Target Organ Effects None known
Aggravated Medical Conditions None known

Component Information

Acute Toxicity

Component	LD50 Oral	LD50 Dermal	LC50 Inhalation	Draize Test	Other
Triethanolamine	= 4190 mg/kg (Rat)	> 20 mL/kg (Rabbit)	no data available	no data available	no data available

Component	Mutagenicity	Sensitization	Developmental Toxicity	Reproductive Toxicity	Target Organ Effects
Triethanolamine	no data available	Skin sensitization	no data available	no data available	Immune system, liver, kidney, CNS, blood, testes

Carcinogenicity

Component	ACGIH	IARC	NTP	OSHA	Other
Petroleum distillates, hydrotreated heavy naphthenic	A2	Group 1	not applicable	not applicable	not applicable
Chlorinated paraffin	not applicable	Group 2B	not applicable	X	not applicable

Triethanolamine	not applicable	Group 3	not applicable	not applicable	not applicable
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12. ECOLOGICAL INFORMATION

Product Information No information available.

Component Information

Component	Toxicity to Algae	Toxicity to Fish	Microtox	Water Flea	log Pow
Petroleum distillates, hydrotreated heavy naphthenic	no data available	LC50 > 5000 mg/L Oncorhynchus mykiss 96 h	no data available	1000: 48 h Daphnia magna mg/L EC50	N/A
Triethanolamine	EC50 = 169 mg/L Desmodesmus subspicatus 96 h EC50 = 216 mg/L Desmodesmus subspicatus 72 h	LC50 10600 - 13000 mg/L Pimephales promelas 96 h LC50 450 - 1000 mg/L Lepomis macrochirus 96 h LC50 > 1000 mg/L Pimephales promelas 96 h	EC50 > 10000 mg/L 30 min	no data available	-2.53

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	Not regulated
IATA	Not regulated
IMDG/IMO	Not regulated

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	No	No

CERCLA

U.S. State Regulations

California Proposition 65

This product does not contain any Proposition 65 chemicals.

Component	CAS-No	California Prop. 65
Chlorinated paraffin	61788-76-9	carcinogen

16. OTHER INFORMATION

Prepared By

Christopher Drogin

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Reason for Revision	No information available.
Glossary	No information available.
List of References.	No information available.

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