

Section 1: Identification


PRODUCT IDENTIFIER: MAXCUT water soluble emulsion cutting fluid

EMERGENCY PHONE: CHEMTREC 800-424-9300 (US) Day or night

Customer No. 16568

MANUFACTURER: PACE Technologies
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Section 2: Hazard(s) Identification

GHS CLASIFICATION:	Acute toxicity, inhalation (Category 4) Serious eye damage/eye irritation (Category 2)
PICTOGRAM(s):	
SIGNAL WORD:	Warning
HAZARD STATEMENTS:	Hazard Statement(s): H319- Causes serious eye irritation H332-Harmful if inhaled
PRECAUTIONARY STATEMENTS:	Precautionary Statement(s): Preventions: P261- Avoid breathing dust/fume/gas/mist/vapors/spray. P264- Wash hands thoroughly after handling. P271- Use only outdoors or in a well-ventilated area. P280- Wear protective gloves/protective clothing/eye protection/face protection. Response: P304+P312- IF INHALED: Call a POISON CENTER or doctor/physician if you feel unwell. P304+P340- IF INHALED: Remove victim to fresh air and Keep at rest in a position comfortable for breathing. P305+P351+P338- IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P312- Call a POISON CENTER or doctor/physician if you feel unwell. P337 + P313- IF eye irritation persists: Get medical advice/attention. Storage: Keep container tightly closed. Protect from sunlight. Store in a well-

	ventilated place. Store away from incompatible materials. Store in accordance with local/regional/national/international regulations. Disposal: Dispose of contents/container in accordance with local/regional/national/international regulations.
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Section 3: Composition/Information on Ingredients

<u>CHEMICAL NAME</u>	<u>CAS NO.</u>	<u>%</u>
Petroleum distillates, hydrotreated heavy Naphthenic	64742-52-5	40-70
Hexahydro-1,3,5-tris(2-hydroxyethyl)-S-triazine	4719-04-4	1-10
Other components below reportable levels		<10-30

Section 4: First-Aid Measures

GENERAL INFORMATION:	Show this safety data sheet to the doctor in attendance. If exposed or concerned: Get medical advice/attention.
INHALATION:	If symptoms are experienced, remove source of contamination or move victim to fresh air. Call a POISON CENTER or doctor/physician if you feel unwell.
SKIN CONTACT:	Immediately flush with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. If skin irritation occurs: Get medical advice/attention. Wash contaminated clothing before reuse.
EYE CONTACT:	Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation develops and persists.
INGESTION:	Rinse mouth thoroughly. Do not induce vomiting. Drink 1 or 2 glasses of water. If vomiting occurs naturally, have victim lean forward to reduce risk of aspiration. Get medical advice/attention if you feel unwell.
MOST IMPORTANT SYMPTOMS/EFFECT, ACUTE AND DELAYED:	Direct contact with eyes may cause temporary irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Defatting of the skin.
INDICATION OF IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED:	Provide general supportive measures and treat symptomatically. Symptoms may be delayed.

Section 5: Fire-Fighting Measures

Suitable extinguishing media:	Water fog. Foam. Dry chemicals. Dry chemical powder. Carbon dioxide (CO2). Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
Unsuitable extinguishing media:	Do not use water jet as an extinguisher, as this will spread the fire.
Specific hazards arising from the chemical:	During fire, gases hazardous to health may be formed.
Special protective equipment and precautions for firefighters:	Wear suitable protective equipment.
Firefighting equipment/instructions	Use standard firefighting procedures and consider the hazards of other involved materials. Move containers from fire area if you can do so without risk.
Specific methods:	Use standard firefighting procedures and consider the hazards of other involved materials. In the event of fire and/or explosion do not breathe fumes. Move container from fire area if it can be done without risk.
General fire hazards:	Combustible liquid.

Section 6: Accidental Release Measures

Personal precautions, protective equipment and emergency procedures:	Keep unnecessary personnel away. Wear appropriate protective equipment and clothing during clean-up. Avoid breathing mist. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ensure adequate ventilation. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.
Methods and materials for containment and cleaning up:	<p>Local authorities should be advised if significant spillages cannot be contained. Extinguish all flames in the vicinity. This product is miscible in water.</p> <p>Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Prevent entry into waterways, sewers, basements or confined areas. Prevent product from entering drains. Following product recovery, flush area with water.</p>

Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.

Never return spills to original containers for re-use.
For waste disposal, see section 13 of the SDS.

Do not flush spill to drain.

Environmental precautions:

Avoid discharge into drains, water courses or onto the ground. Use appropriate containment to avoid environmental contamination. Contact local authorities in case of spillage to drain/aquatic environment.

Section 7: Handling and Storage

HANDLING:

Do not handle, store or open near an open flame, sources of heat or sources of ignition. Protect material from direct sunlight. Do not use in areas without adequate ventilation. Avoid breathing mist or vapor. Avoid contact with eyes, skin, and clothing. Avoid prolonged exposure. Observe good industrial hygiene practices. Wear appropriate personal protective equipment. Wash thoroughly after handling. Wash contaminated clothing before reuse. When using, do not eat, drink or smoke. Practice good housekeeping. Handle and open container with care.

STORAGE:

To maintain product quality, do not store in heat or direct sunlight. Use care in handling/storage. Keep containers closed when not in use. Keep away from food, drink and animal feeding stuffs. Store away from incompatible materials (see Section 10 of the SDS). Store in a well-ventilated place. Do not allow material to freeze. If frozen, product may separate. Thaw completely at room temperature and stir thoroughly prior to use.

Section 8: Exposure Controls/ Personal Protection

MATERIAL	SOURCE	TYPE	mg/m3
SEVERELY-HYDROTREAT ED NAPHTHENIC PETROLEUM DISTILLATES (CAS 64742-52-5)	ACGIH	PEL	5 mg/m3
SEVERELY-HYDROTREAT TWA 5 mg/m3 ED NAPHTHENIC PETROLEUM DISTILLATES (CAS 64742-52-5)	ACGIH	TWA	5 mg/m3

Appropriate engineering controls:

Ensure compliance with applicable exposure limits. Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust

	ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. Eye wash fountain and emergency showers are recommended.
Eye/face protection:	Wear safety glasses with side shields (or goggles). Do not get in eyes. Eye wash fountain is recommended.
Skin protection:	Use protective gloves made of: Nitrile. Wear suitable protective clothing and gloves.
Respiratory protection:	In case of insufficient ventilation, wear suitable respiratory equipment.
Thermal hazards:	Wear appropriate thermal protective clothing, when necessary.
General hygiene considerations:	When using, do not eat, drink or smoke. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

Section 9: Physical and Chemical Properties

APPEARANCE:	Amber / Brown Liquid.
ODOR:	Mild.
INITIAL BOILING POINT AND BOILING RANGE:	212°F (100°C)
FLASH POINT:	> 93 °C / > 200 °F
UPPER / LOWER FLAMMABILITY OR EXPLOSION LIMITS:	Data not available.
VAPOR PRESSURE:	Data not available.
SPECIFIC GRAVITY:	0.92
WATER SOLUBILITY:	Emulsifies.
VISCOSITY:	Data not available.

VAPOR DENSITY (air=1): Heavier than air

EVAPORATION RATE (nBuAc=1) >0.1

pH 9.0 (at 10%)

Section 10: Stability and Reactivity

Reactivity: The product is stable and non-reactive under normal conditions of use, storage and transport.

Chemical stability: Material is stable under normal conditions.

Possibility of hazardous reactions: No dangerous reaction known under conditions of normal use.

Conditions to avoid: Heat, flames and sparks. Avoid temperatures exceeding the flash point. Contact with incompatible materials.

Incompatible materials: Do not add sodium nitrite or other nitrosating agents which may form cancer causing nitrosamines. Strong oxidizing agents. Strong acids. Avoid contact with acids and oxidizing substances.

Hazardous decomposition products: No

Section 11: Toxicological Information

Information on likely routes of exposure

Inhalation: Harmful if inhaled. May cause irritation to the respiratory system.

Skin contact: Causes mild skin irritation. Frequent or prolonged contact may defat and dry the skin, leading to discomfort and dermatitis.

Eye contact: Causes serious eye irritation.

Ingestion: May be harmful if swallowed. Expected to be a low ingestion hazard.

Symptoms related to the physical, chemical and toxicological characteristics: Direct contact with eyes may cause temporary irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Defatting of the skin.

Acute toxicity: Harmful if inhaled. May be harmful if swallowed.

Components Species Test Results

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
2-(2-Aminoethoxy)ethanol	= 2557.9 mg/kg (Rat)	= 1190 µL/kg (Rabbit)	-
Hexahydro-1,3,5-tris(2-hydroxyethyl)-S-triazine	= 763 mg/kg (Rat)	-	-

Skin corrosion/irritation: Prolonged skin contact may cause temporary irritation. Defatting, drying and cracking of skin.

Respiratory or skin sensitization
Respiratory sensitization: Not classified.

Skin sensitization: Not classified.

Germ cell mutagenicity: No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.

Carcinogenicity: This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.

US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050): Not listed.

Reproductive toxicity: This product is not expected to cause reproductive or developmental effects.

Specific target organ toxicity -single exposure: Not classified.

Specific target organ toxicity - repeated exposure: Not classified.

Aspiration hazard: May be harmful if swallowed and enters airways.

Chronic effects: Prolonged exposure may cause chronic effects.

Further information: Symptoms may be delayed.

Section 12: Ecological Information

Ecotoxicity Contains a substance which causes risk of hazardous effects to the environment.

The environmental impact of this product has not been fully investigated.

12 % of the mixture consists of components(s) of unknown hazards to the aquatic environment

Chemical Name	Toxicity to Algae	Toxicity to Fish	Toxicity to Microorganisms	Daphnia Magna (Water Flea)
2-(2-Aminoethoxy)ethanol		LC50 96 h: > 5000 mg/L (Oncorhynchus mykiss)		EC50 48 h: > 1000 mg/L (Daphnia magna)
Hexahydro-1,3,5-tris(2-hydroxyethyl)-S-triazine	-	-	EC50 = 28.9 mg/L 15 min	-

Section 13: Disposal Considerations

Disposal instructions:	Consult authorities before disposal. Do not contaminate ponds, waterways or ditches with chemical or used container. Dispose of contents/container in accordance with local/regional/national/international regulations.
Local disposal regulations;	Dispose in accordance with all applicable regulations.
Hazardous waste code:	The waste code should be assigned in discussion between the user, the producer and the waste disposal company.
Waste from residues / unused products:	Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).
Contaminated packaging:	Empty containers should be taken to an approved waste handling site for recycling or disposal. Since emptied containers may retain product residue, follow label warnings even after container is emptied. Do not re-use empty containers.

Section 14: Transportation Information

DOT (CFR49):	NOT REGULATED.
IATA (air):	NOT REGULATED.

IMDG (ocean): NOT REGULATED.

HAZARD CLASSIFICATION: NON-HAZARDOUS.

PACKING GROUP: NOT REGULATED.

UN/NA CODE: NOT REGULATED.

Section 15: Regulatory Information

International Inventories

TSCA Complies

Legend

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

U.S. Federal Regulations

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 Hazard Categories

Acute Health Hazard: Yes

Chronic Health Hazard: Yes

Fire Hazard: No

Sudden Release of Pressure Hazard: No

Reactive Hazard: No

Clean Water Act

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40CFR 122.42).

CERCLA

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material.

U.S. State Regulations

California Proposition 65 This product does not contain any Proposition 65 chemicals.

U.S. State Right-to-Know Regulations

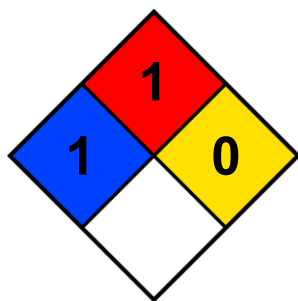
Illinois:

Chemical Name: Petroleum distillates, hydrotreated heavy naphthenic

U.S. EPA Label Information EPA Pesticide Registration Number
Not applicable

Section 16: Other Information

16.1 NFPA 704



Top, Flammability: 1 – Minimal Hazard

Left, Health Hazard: 1 – Slight Hazard

Right, Reactivity: 0 – Minimal Hazard

Bottom, Special Notice: N/A

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