

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>
SEVERELY-HYDROTREATED NAPHTHENIC PETROLEUM DISTILLATES	64742-52-5	40-70
(Z)-9-OCTADECEN-1-OL, ETHOXYLATED (>1 <2.5 MOL EO)	9004-98-2	5-10
ALKOXYLATED LINEAR ALCOHOLS	68987-81-5	1-5
HEXAHYDRO-1,3,5-TRIS (2- HYDROXYETHYL)-S- TRIAZINE	4719-04-4	1-5
MONOISOPROPANOLAMINE	78-96-6	1-5
3-iodo-2-propynyl butylcarbamate	55406-53-6	0.1-1
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 SYMPTIOMS/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 (CO ₂). 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
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Methods and materials for containment and cleaning up:

ventilation. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.

Local authorities should be advised if significant spillages cannot be contained. Extinguish all flames in the vicinity. This product is miscible in water.

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.

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: Clear colorless Liquid.

ODOR: Chemical.

pH: 8.7 @ 5%.

INITIAL BOILING POINT AND BOILING RANGE: >212°F (>100°C)

FLASH POINT:	345°F (173.9°F) Cleveland Open cup
UPPER / LOWER FLAMMABILITY OR EXPLOSION LIMITS:	Data not available.
VAPOR PRESSURE:	Data not available.
SPECIFIC GRAVITY:	0.937
WATER SOLUBILITY:	100% water miscible.
VISCOSITY:	Data not available.
VAPOR DENSITY (air=1):	Data not available.
EVAPORATION RATE (nBuAc=1)	Like water when diluted.

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

(Z)-9-OCTADECEN-1-OL, ETHOXYLATED (>1 <2.5 MOL EO) (CAS 9004-98-2)

Acute

LD50 Rabbit

Dermal

> 2000 mg/kg

LD50 Rat

Oral

> 2700 mg/kg

3-IODO-2-PROPYNYL BUTYLCARBAMATE (CAS 55406-53-6)

Acute

LD50 Rabbit

Dermal

> 2000 mg/kg

LD50 Rat

Oral

1.1 g/kg

ALKOXYLATED LINEAR ALCOHOLS (CAS 68987-81-5)

Acute

LD50 Rabbit

Dermal

> 2000 mg/kg

LD50 Rat

Inhalation

> 50 mg/l, 4 hours

LD50 Rat

Oral

2380 - 2745 mg/kg

MONOISOPROPANOLAMINE (CAS 78-96-6)

Acute

LD50 Rabbit

Dermal

1576 mg/kg

LC0 Rat

Inhalation

1005 mg/m³, 3 hours

LD50 Rat

Oral

1715 mg/kg

SEVERELY-HYDROTREATED NAPHTHENIC PETROLEUM DISTILLATES (CAS 64742-52-5)

LD50 Rabbit

Dermal

> 5000 mg/kg

LC50 Rat

Inhalation

2.18 mg/l, 4 hours

LD50 Rat

Oral > 5000 mg/kg

Skin corrosion/irritation:

Prolonged skin contact may cause temporary irritation.
Defatting, drying and cracking of skin.

Respiratory or skin sensitization

Not classified.

Respiratory sensitization:

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.**

Components Species Test Results

3-iodo-2-propynyl butylcarbamate (CAS 55406-53-6)

Aquatic

Fish LC50 Rainbow trout, Donaldson trout 0.05 - 0.089 mg/l, 96 hours
(Oncorhynchus mykiss)

alkoxylated linear alcohols (CAS 68987-81-5)

Aquatic

Acute

Crustacea EC50 Daphnia 1 - 10 mg/l, 48 hours
Fish LC50 Pimephales promelas 1 - 10 mg/l, 96 hours

monoisopropanolamine (CAS 78-96-6)

Aquatic

Fish LC50 Goldfish (Carassius auratus) 210 mg/l, 96 hours

severely-hydrotreated naphthenic petroleum distillates (CAS 64742-52-5)

Aquatic

Acute

Crustacea EC50 Daphnia > 1000 mg/l, 48 hours

* Estimates for product may be based on additional component data not shown.

Persistence and degradability: No data is available on the degradability of this product.

Bioaccumulative potential

Partition coefficient n-octanol / water (log K_{ow})

alkoxylated linear alcohols 3.01

monoisopropanolamine -1.19

Mobility in soil: No data available.

Other adverse effects No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

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

US federal regulations: This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200. It may be reportable under the provisions of SARA Sections 311 and 312 if specific threshold criteria are met or exceeded.

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D): 1.0 % One-Time Export Notification only.
HEXAHYDRO-1,3,5-TRIS (2-HYDROXYETHYL)-STRIAZINE (CAS 4719-04-4)

CERCLA Hazardous Substance List (40 CFR 302.4) Not listed.

SARA 304 Emergency release notification: Not regulated.

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

Superfund Amendments and Reauthorization Act of 1986 (SARA)
Hazard categories Immediate Hazard - Yes
Delayed Hazard - No
Fire Hazard - No
Pressure Hazard – No
Reactivity Hazard - No

SARA 302 Extremely hazardous substance: Not listed.

SARA 311/312 Hazardous: Yes

SARA 313 (TRI reporting)

Chemical Name	CAS number	% by wt.
3-IODO-2-PROPYNYL BUTYLCARBAMATE	55406-53-6	0.1 - 1

Other federal regulations

Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List: Not regulated.

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130): Not regulated.

Safe Drinking Water Act (SDWA): Not regulated.

Food and Drug Administration (FDA): Not regulated.

State Regulations

US. California Controlled Substances. CA Department of Justice (California Health and Safety Code Section 11100): Not listed.

US. Massachusetts RTK - Substance List: MONOISOPROPANOLAMINE (CAS 78-96-6)

US. New Jersey Worker and Community Right-to-Know Act: 3-IODO-2-PROPYNYL BUTYLCARBAMATE (CAS 55406-53-6)
MONOISOPROPANOLAMINE (CAS 78-96-6).

US. Pennsylvania Worker and Community Right-to-Know Law

MONOISOPROPANOLAMINE (CAS 78-96-6)

US. Rhode Island RTK:

3-IODO-2-PROPYNYL BUTYLCARBAMATE (CAS 55406-53-6)

California South Coast Air Quality Management District (SCAQMD) Rule 1144 (VOC Emissions):

This product is subject to SCAQMD Rule 1144; it is compliant and may be sold and used in the SCAQMD. The VOC content of the product is 77 g/L, measured by ASTM Method E-1868-10. This product has a specified use dilution VOC limit of 75 g/L, the maximum dilution concentration is 97 % to maintain compliance.

US. California Proposition 65:

California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65): This material is not known to contain any chemicals currently listed as carcinogens or reproductive toxins.

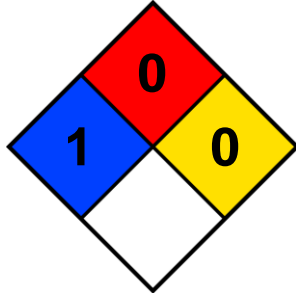
International Inventories

Country(s) or region	Inventory name	On inventory or exempt (yes/no)*
Australia	Australian Inventory of Chemical Substances (AICS)	No
Canada	Domestic Substances List (DSL)	No
Canada	Non-Domestic Substances List (NDSL)	Yes
China	Inventory of Existing Chemical Substances in China (IECSC)	Yes
Europe	European Inventory of Existing Commercial Chemical No Substances (EINECS)	No
Europe	European List of Notified Chemical Substances (ELINCS)	No
Japan	Inventory of Existing and New Chemical Substances (ENCS)	No
Korea	Existing Chemicals List (ECL)	No
New Zealand	New Zealand Inventory	No
Philippines	Philippine Inventory of Chemicals and Chemical Substances No (PICCS)	No
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

*A "Yes" indicates this product complies with the inventory requirements administered by the governing country(s)

Section 16: Other Information

16.1 NFPA 704



Top, Flammability: 0 – Minimal Hazard

Left, Health Hazard: 1 – Slight Hazard

Right, Reactivity: 0 – Minimal Hazard

Bottom, Special Notice: N/A

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DATE PREPARED: 11/12/2015

DATE REVISED: 6/7/2018 AG