



CHEMCIDE PT

SECTION 1. IDENTIFICATION

Product Identifier	CHEMCIDE PT
Product Family	N-Alkyltrimethylenediamine acetates
Recommended Use	Drilling Fluid additive.
Restrictions on Use	For Oil Field Use Only.
Supplier Identifier	Arkon Solutions Corp., 4333 46th Ave SE, Calgary, AB, T2B 3N5, (403)-279-8545
Emergency Phone No.	CHEMTREC, 1-800-424-9300, (Canada and USA -24 hours a day, 7 days a week)
Date of Preparation	July 24, 2018

SECTION 2. HAZARD IDENTIFICATION

Classified according to Canada's Hazardous Products Regulations (WHMIS 2015).

Classification

Flammable liquid - Category 2; Acute toxicity (Oral) - Category 3; Acute toxicity (Dermal) - Category 3; Acute toxicity (Inhalation) - Category 3; Skin irritation - Category 2; Eye irritation - Category 2; Specific target organ toxicity (single exposure) - Category 1

Label Elements



Signal Word:

Danger

Hazard Statement(s):

- H225 Highly flammable liquid and vapour.
- H301 + H311 + H331 Toxic if swallowed, in contact with skin or if inhaled.
- H315 Causes skin irritation.
- H319 Causes serious eye irritation.
- H370 Causes damage to organs (eyes, nervous system).

Precautionary Statement(s):

Prevention:

- P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
- P233 Keep container tightly closed.
- P240 Ground and bond container and receiving equipment.
- P241 Use explosion-proof electrical, ventilating, and lighting equipment.
- P242 Use only non-sparking tools.
- P243 Take precautionary measures against static discharge.
- P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
- P264 Wash hands thoroughly after handling.
- P270 Do not eat, drink or smoke when using this product.
- P271 Use only outdoors or in a well-ventilated area.
- P280 Wear protective gloves/eye protection/face protection.

Response:

- P301 + P312 IF SWALLOWED: Call a POISON CENTRE or doctor if you feel unwell.
- P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with

water/shower.

P304 + P340 IF INHALED: Remove person to fresh air and keep 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.

P311 Call a POISON CENTRE or doctor.

P330 Rinse mouth.

P337 + P313 If eye irritation persists: Get medical advice/attention.

P332 + P313 If skin irritation occurs: Get medical advice/attention.

P361 + P364 Take off immediately all contaminated clothing and wash it before reuse.

P370 + P378 In case of fire: Use appropriate foam, carbon dioxide, dry chemical powder to extinguish.

P321 Specific treatment (see supplemental first aid instruction on this label).

Storage:

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

P405 Store locked up.

P235 Keep cool.

Disposal:

P501 Dispose of contents and container in accordance with local, regional, national and international regulations.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Mixture:

Chemical Name	CAS No.	%	Other Identifiers
Methanol	67-56-1	45 - 70	
Amines, N-coco alkyltrimethylenedi-, acetates	61791-64-8	10 - 30	

Notes

Concentrations are expressed in % weight/weight.

The exact concentrations of the above listed chemicals are being withheld as a trade secret.

SECTION 4. FIRST-AID MEASURES

First-aid Measures

Inhalation

Move to fresh air. Keep at rest in a position comfortable for breathing. If breathing is difficult, trained personnel should administer emergency oxygen if advised to do so by Poison Centre or doctor. If breathing has stopped, trained personnel should begin rescue breathing. Seek medical attention if irritation develops or persists.

Skin Contact

Avoid direct contact. Wear chemical protective clothing if necessary. Take off immediately contaminated clothing, shoes and leather goods (e.g. watchbands, belts). Quickly and gently blot or brush away excess chemical. Immediately wash gently and thoroughly with lukewarm, gently flowing water and mild soap for 15-20 minutes. Seek medical attention if irritation develops or persists.

Eye Contact

Immediately rinse the contaminated eye(s) with lukewarm, gently flowing water for 15-20 minutes, while holding the eyelid(s) open. Seek medical attention if irritation develops or persists.

Ingestion

Rinse mouth with water. Never give anything by mouth if person is rapidly losing consciousness, or is unconscious or convulsing. Do not induce vomiting. If vomiting occurs naturally, lie on your side in the recovery position. Rinse mouth with water again. Immediately call a Poison Centre or doctor.

Most Important Symptoms and Effects, Acute and Delayed

If inhaled:

Can irritate the nose and throat. Can cause headache, nausea, vomiting, dizziness, drowsiness and confusion. A severe exposure can cause stomach pain, muscle pain, difficult breathing and coma. Vision can be impaired and permanent blindness can result. There may be other permanent effects on the nervous system e.g. tremor, seizures.

If on skin:

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Causes moderate to severe irritation. Symptoms include pain, redness, and swelling. Repeated or prolonged exposure can irritate or burn the skin.

If in eyes:

May cause serious eye damage. May irritate or burn the eyes. Permanent damage including blindness may result.

If swallowed:

Can cause headache, nausea, vomiting, dizziness, drowsiness and confusion. A severe exposure can cause stomach pain, muscle pain, difficult breathing and coma. Vision can be impaired and permanent blindness can result. There may be other permanent effects on the nervous system e.g. tremor, seizures.

SECTION 5. FIRE-FIGHTING MEASURES

Extinguishing Media

Suitable Extinguishing Media

Carbon dioxide, dry chemical powder, appropriate foam, water spray or fog.

Unsuitable Extinguishing Media

Water Jet.

Special Protective Equipment and Precautions for Fire-fighters

The use of self-contained breathing apparatus is recommended for fire fighters. Fight fire from a safe distance or a protected location.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment, and Emergency Procedures

Use the personal protective equipment recommended in Section 8 of this safety data sheet. Increase ventilation to area or move leaking container to a well-ventilated and secure area.

Environmental Precautions

Do not allow into any sewer, on the ground or into any waterway. If the spill is inside a building, prevent product from entering drains, ventilation systems and confined areas. Do not flush to drain.

Methods and Materials for Containment and Cleaning Up

Contain and soak up spill with absorbent that does not react with spilled product. Place used absorbent into suitable, covered, labelled containers for disposal. After cleaning, flush away traces with water. Collect washing for disposal.

SECTION 7. HANDLING AND STORAGE

Precautions for Safe Handling

Prevent uncontrolled release of product. Immediately report leaks, spills or failures of the safety equipment (e.g. ventilation system).

Conditions for Safe Storage

Store in an area that is: cool, temperature-controlled, well-ventilated, out of direct sunlight and away from heat and ignition sources. Do not store in unlabeled containers.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control Parameters

Chemical Name	ACGIH TLV®		OSHA PEL		AIHA WEEL	
	TWA	STEL	TWA	Ceiling	8-hr TWA	TWA
Amines, N-coco alkyltrimethylenedi-, acetates	Not established	Not established	Not established	Not established	Not established	Not established
Methanol	200 ppm Skin	250 ppm Skin	200 ppm Skin	Not established	Not established	Not established

Appropriate Engineering Controls

General ventilation is usually adequate. Provide eyewash and safety shower if contact or splash hazard exists.

Individual Protection Measures

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Eye/Face Protection

Wear chemical safety goggles.

Skin Protection

Chemically resistant gloves should be used. Consideration must be given both to durability as well as permeation resistance.

Respiratory Protection

Wear a NIOSH approved air-purifying respirator with an organic vapour cartridge when airborne concentrations are excessive.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**Basic Physical and Chemical Properties**

Appearance	Cloudy yellow - orange liquid.
Odour	Vinegar
Odour Threshold	Not available
pH	6.9 (100% solution)
Melting Point/Freezing Point	Not available (melting); -28 °C (-18 °F) (freezing)
Initial Boiling Point/Range	Not available
Flash Point	19 °C (66 °F)
Evaporation Rate	Not available
Upper/Lower Flammability or Explosive Limit	Not available (upper); Not available (lower)
Vapour Pressure	Not applicable
Vapour Density (air = 1)	Not applicable
Relative Density (water = 1)	0.855
Solubility	Slightly soluble in water
Partition Coefficient, n-Octanol/Water (Log Kow)	Not available
Auto-ignition Temperature	Not available
Decomposition Temperature	Not available
Viscosity	Not available (kinematic)
Other Information	
Physical State	Liquid

SECTION 10. STABILITY AND REACTIVITY**Chemical Stability**

Normally stable.

Possibility of Hazardous Reactions

None known.

Conditions to Avoid

Open flames, sparks, static discharge, heat and other ignition sources. Incompatible materials.

Incompatible Materials

Strong oxidizing agents (e.g. perchloric acid), strong bases (e.g. sodium hydroxide), strong acids (e.g. hydrochloric acid).

Hazardous Decomposition Products

Oxides of Carbon
Oxides of Nitrogen.

SECTION 11. TOXICOLOGICAL INFORMATION

Acute Toxicity

Chemical Name	LC50	LD50 (oral)	LD50 (dermal)
Amines, N-coco alkyltrimethylenedi-, acetates	Not available	Not available	Not available
Methanol	64000 ppm (rat) (4-hour exposure)	5628 mg/kg (rat)	15800 mg/kg (rabbit)

ATE (Inhalation): 50 - 300 mg/kg

ATE (Oral): 2 - 10 mg/L

ATE (Dermal): 200 - 1000 mg/kg

Skin Corrosion/Irritation

SKIN IRRITANT. Causes moderate to severe irritation. Symptoms include pain, redness, and swelling.

Serious Eye Damage/Irritation

May cause serious eye damage. May irritate or burn the eyes.

STOT (Specific Target Organ Toxicity) - Single Exposure

Inhalation

Depression of the central nervous system, impaired vision and blindness. In some cases, there may be delayed effects on the nervous system.

Skin Absorption

Depression of the central nervous system, impaired vision and blindness. In some cases, there may be delayed effects on the nervous system.

Ingestion

If swallowed this product may cause severe irritation or burns of the mouth, throat and stomach. Can cause headache, nausea, vomiting, dizziness, drowsiness and confusion. A severe exposure can cause stomach pain, muscle pain, difficult breathing and coma. Vision can be impaired and permanent blindness can result. There may be other permanent effects on the nervous system e.g. tremor, seizures.

Carcinogenicity

Chemical Name	IARC	ACGIH®	NTP	OSHA
Amines, N-coco alkyltrimethylenedi-, acetates	Not Listed	Not designated	Not Listed	Not Listed
Methanol	Not Listed	Not designated	Not Listed	Not Listed

Reproductive Toxicity

Development of Offspring

No information was located.

Sexual Function and Fertility

No information was located.

Germ Cell Mutagenicity

No information was located.

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity

Studies were not located.

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal Methods

Contact local environmental authorities for approved disposal or recycling methods in your jurisdiction.

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SECTION 14. TRANSPORT INFORMATION

Regulation	UN No.	Proper Shipping Name	Transport Hazard Class(es)	Packing Group
Canadian TDG	UN1230	Methanol	3 (6.1)	II

Special Precautions Not applicable

Transport in Bulk According to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

SECTION 15. REGULATORY INFORMATION

Safety, Health and Environmental Regulations

Canada

Domestic Substances List (DSL) / Non-Domestic Substances List (NDSL)

All ingredients are listed on the DSL or are not required to be listed.

Additional Canadian Regulatory Lists

PMRA REGISTRATION NUMBER 26572

USA

Toxic Substances Control Act (TSCA) Section 8(b)

All ingredients are listed on the TSCA Inventory.

SECTION 16. OTHER INFORMATION

SDS Prepared By Product Safety Committee

Phone No. 403-279-8545

Date of Preparation July 24, 2018

Date of Last Revision November 16, 2021

Revision Indicators The following SDS content was changed on November 16, 2021:
Supplier Identifier;
Emergency Phone No.

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