



Safety Data Sheet

Product Name: Deptal MPM
Kersia USA
PO Box 46098
Minneapolis, MN 55446
800-225-3832

Product Code: MI-5518

Telephone Numbers
During Normal Business hours call: 612-638-2100
Transportation Emergency Call Chemtrec: 800-424-9300

Product use: This product is manufactured for commercial/industrial use. Not recommended for household use.

Section 2 - Hazards Identification

GHS Ratings:

Skin corrosive	1A	Destruction of dermal tissue: Exposure < 3 min. Observation < 1 hour, visible necrosis in at least one animal
Eye corrosive	1	Serious eye damage: Irreversible damage 21 days after exposure, Draize score: Corneal opacity >= 3, Iritis > 1.5
Carcinogen	2	Limited evidence of human or animal carcinogenicity
Reproductive toxin	2	Human or animal evidence possibly with other information

GHS Hazards

H314	Causes severe skin burns and eye damage
H318	Causes serious eye damage
H351	Suspected of causing cancer
H361	Suspected of damaging fertility or the unborn child

GHS Precautions

P201	Obtain special instructions before use
P202	Do not handle until all safety precautions have been read and understood
P260	Do not breathe dust/fume/gas/mist/vapours/spray
P264	Wash ... thoroughly after handling
P280	Wear protective gloves/protective clothing/eye protection/face protection
P281	Use personal protective equipment as required
P310	Immediately call a POISON CENTER or doctor/physician
P321	Specific treatment (see ... on this label)
P363	Wash contaminated clothing before reuse
P301+P330+P331	IF SWALLOWED: Rinse mouth. Do NOT induce vomiting
P303+P361+P353	IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower
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 continuously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing

P308+P313

IF exposed or concerned: Get medical
advice/attention

P405

Store locked up

P501

Dispose of contents/container to ...

Danger

There are no GHS ratings that apply to this product at this time.

Section 3 - Composition

Chemical Name / CAS No.	OSHA Exposure Limits	ACGIH Exposure Limits	Other Exposure Limits
Sodium Hydroxide 1310-73-2 18 percent	2 mg/m3 TWA	2 mg/m3 Ceiling	NIOSH: 2 mg/m3 Ceiling
Nitrilotriacetic acid trisodium salt 5064-31-3 0.2 percent			

Section 4 - First Aid Measures

Inhalation:

Remove from further exposure. For those providing assistance, avoid exposure to yourself. Use adequate respiratory protection. If respiratory irritation, dizziness, nausea, or unconsciousness occurs, seek immediate medical assistance. If breathing has stopped, a trained individual should attempt to resuscitate while getting immediate medical aid.

Eye Contact:

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing for 15 minutes.

Skin Contact:

In case of skin contact, remove contaminated clothing. Flush the skin with large amounts of water, then wash the skin with soap and water.

Ingestion:

If conscious, give 2 to 3 glasses of water. Do not induce vomiting and seek medical attention immediately.

Notes to Physician:

No data found.

Section 5 - Fire Fighting Measures

LEL: N/A

UEL: N/A

Flammable Limits:

Flash Point: No data available.

Extinguishing Media:

Use extinguishing agent suitable for type of surrounding fire.

Unusual Fire or Explosion Hazards:

No data available.

Hazardous Combustion Products:

See Section 10 for a list of hazardous decomposition products for this mixture.

Fire Fighting:

If evacuation of personnel is necessary, evacuate to an upwind area. Decontaminate personnel and equipment with a water wash-down after fire and smoke exposure.

Fire Fighting:

Fire fighters should wear complete protective clothing including self-contained breathing apparatus.

Section 6 - Accidental Release Measures

Isolate the area and contain the spilled material. Persons not wearing the appropriate PPE should be removed from the area until the spill is cleaned up. Stop leak if you can do it without risk, stay upwind, and avoid run off to waterways and sewers.

SMALL SPILLS: Prevent entry into waterways, sewers, basements or confined areas. Use a non-combustible material like vermiculite or sand to soak up the product and place into a container for later disposal.

LARGE SPILLS: Prevent entry into waterways, sewers, basements or confined areas. Dike to collect large liquid spills, collect leaking liquid in sealable compatible containers.

BASE SPILLS: Neutralize with Citric Acid, or Dilute Acetic Acid.

Cautiously neutralize remainder. Then wash away with plenty of water.

Section 7 - Handling and Storage**Handling Precautions:**

Wear all appropriate Personal Protective Equipment (PPE). Wear respiratory protection or ensure adequate ventilation at all times as vapors can accumulate in confined or poorly ventilated areas. Use the product in a manner which minimizes splashes and/or the creation of dust. Keep containment closed when not in use. Do not handle or store material near heat, sparks, or open flames, or other sources of ignition.

Storage:

Prevent from freezing. Store at room temperatures, i.e., 40 to 95 F (4 to 35 C)

Regulatory Requirements:

No data found

Section 8 - Exposure Control and Personal Protection

Chemical Name / CAS No.	OSHA Exposure Limits	ACGIH Exposure Limits	Other Exposure Limits
Sodium Hydroxide 1310-73-2	2 mg/m3 TWA	2 mg/m3 Ceiling	NIOSH: 2 mg/m3 Ceiling
Nitrilotriacetic acid trisodium salt 5064-31-3			

Engineering controls:

Avoid contact with skin, eyes and clothing. Wash hands before breaks and immediately after handling the product. Ensure that eyewash stations and safety showers are close to the workstation location.

Ventilation Control:

Provide adequate ventilation to control airborne concentration below the exposure guidelines/limits.

Administrative controls:

No data found.

Personal Protection:

As prescribed in the OSHA Standard for Personal Protective Equipment (29 CFR 1910.132), employers must perform a hazard Assessment of all workplaces to determine the need for proper protective equipment for each employee.

Eye Protection:

Normal industrial eye protection practices should be employed.

Skin Protection:

In accordance with good industrial hygiene practices, precautions should be taken to avoid skin contact.

Respiratory:

If airborne concentration limits are not met, an approved respirator must be worn.

Contaminated Equipment:

Dispose of the waste in compliance with federal, state, regional, and local regulations.

Section 9 - Physical and Chemical Properties

Decomposition temperature: Not Determined Density: 1.275 Freezing point: Not Determined	Viscosity: Not Determined Melting point: Not Determined Solubility: Complete
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Appearance Tan Physical State Liquid Odor threshold: Not Determined pH: Strong Base >12 Partition coefficient (n- octanol/water): Boiling range: 100°C Evaporation rate: Not Determined	Odor Mild Vapor Pressure: Not Determined Vapor Density: Not Determined Explosive Limits: 0% Autoignition temperature: N/A Flash point: 999 C, 999 F Flammability: Not Determined
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Section 10 - Stability and Reactivity

Stability:

STABLE

Incompatibilities:

Avoid contact with strong acids.

Hazardous Decomposition Products:

Note: these are all possible decomposition products based on molecular structure of components.

Oxides of Sodium

Oxides of Carbon

Oxides of Nitrogen or Ammonia

Hazardous polymerization will not occur.

Section 11 - Toxicological Information

Mixture Toxicity

Component Toxicity

1310-73-2 Sodium Hydroxide
Dermal: 1,350.00 mg/kg (Rabbit)

Routes of entry:

No data found.

Target Organs:

Eyes Skin Respiratory System

Effects of Overexposure

Causes severe skin
burns and eye damage

<u>CAS Number</u>	<u>Description</u>	<u>% Weight</u>	<u>Carcinogen Rating</u>
5064-31-3	Nitrilotriacetic acid trisodium salt	0.2	Nitrilotriacetic acid trisodium salt: IARC: Possible human carcinogen OSHA: listed

Section 12 - Ecological Information

Ecotoxicity:

No data available for this product.

Component Ecotoxicity

Sodium Hydroxide 96 Hr LC50 Oncorhynchus mykiss: 45.4 mg/L [static]

Nitritotriacetic acid trisodium salt 96 Hr LC50 Pimephales promelas: 93 - 170 mg/L [flow-through]; 96 Hr LC50 Lepomis macrochirus: 175 - 225 mg/L [static]; 96 Hr LC50 Lepomis macrochirus: 252 mg/L; 96 Hr LC50 Pimephales promelas: 470 mg/L [static]; 96 Hr LC50 Oryzias latipes: 560 - 1000 mg/L; 96 Hr LC50 Oryzias latipes: 560 - 1000 mg/L [semi-static]; 96 Hr LC50 Oncorhynchus mykiss: 72 - 133 mg/L [static]; 96 Hr LC50 Poecilia reticulata: 560 - 1000 mg/L [semi-static]; 96 Hr LC50 Poecilia reticulata: 560 - 1000 mg/L; 96 Hr LC50 Pimephales promelas: 114 mg/L 48 Hr LC50 Daphnia magna: 560 - 1000 mg/L

Section 13 - Disposal

Disposal Instructions:

Refer to the latest federal, state, and local regulations regarding proper disposal.

Section 14 - Transportation Information

The following is for US DOT Highway transportation. Other modes/jurisdictions may have different classifications.

<u>Agency</u>	<u>Proper Shipping Name</u>	<u>UN Number</u>	<u>Packing Group</u>	<u>Hazard Class</u>
US DOT	Corrosive Liquid NOS. (Sodium Hydroxide)	UN1760	II	8

Section 15 - Regulatory Information

This listing is to highlight federal level regulation of the product. Individual states, and other nations may have further regulations not listed below.

US DOT List of Marine Pollutants (172.101 - Appendix B)
- None

US DOT List of Hazardous Substances and Reportable Quantities (172.101 Appendix A)
1310-73-2 Sodium Hydroxide 18 %

US DOT List of Severe Marine Pollutants (172.101 - Appendix B)
- None

SARA Section 302 Extremely Hazardous Substances (40 CFR 355):
- None

Sara Section 302 Threshold Planning Quantity.
- None

SARA Section 313, Toxic Chemicals (40 CFR 372.65):
- None

SARA Reportable Quantity.

1310-73-2 Sodium Hydroxide 18 %

Toxic Substances Control Act (TSCA):

All components are listed or exempt from the Toxic Substances Control Act except those listed below.
- None

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1985 (SARA):

This product contains a chemical or chemicals which are subject to the reporting requirements of the Act, and Title 40 of the Code of Federal Regulations, part 372.

Section 16 - Other Information

Hazardous Material Information System (HMIS)

HEALTH	2
FLAMMABILITY	0
PHYSICAL HAZARD	0
PERSONAL PROTECTION	B

HMIS & NFPA Hazard Rating

Legend

* = Chronic Health Hazard

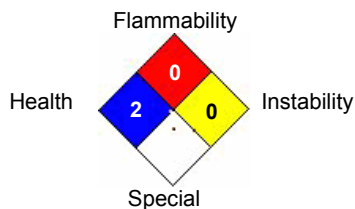
0 = INSIGNIFICANT

1 = SLIGHT

2 = MODERATE

3 = HIGH

National Fire Protection Association (NFPA)



Date Prepared: 2/20/2015

Reviewer Revision

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