

# SAFETY DATA SHEET

## 1. Product and Company Identification

**Material name** D.M.P.R  
**Product Use** Tunnel Wash detergent  
**SDS#**  
**Date** 01/18/2019  
**Chemical class** Mixture  
**Manufacturer** Wayne Concept  
5005 Speedway Drive  
Fort Wayne, IN 46825  
Phone: (260) 482-8615  
Fax: (260) 483-5598  
**Emergency** INFOTRAC (800)535-5053

## 2. Hazards Identification

**Emergency overview** DANGER  
Harmful if swallowed. Causes serious eye and skin irritation.

**GHS Classifications** Acute Toxicity(oral); 4, Acute Toxicity(dermal); 3, Serious Eye Damage/Irritation; 2A, Skin Corrosion/Irritation; 2

**Potential health effects(Acute)**

Eyes	Severe eye irritation. Possible damage if not removed promptly.
Skin	Prolonged exposure may cause irritation and redness.
Inhalation	Vapors may irritate respiratory tract and mucous membranes.
Ingestion	May cause irritation to the gastrointestinal tract, nausea, vomiting and diarrhea.
<b>Chronic effects</b>	
Eyes	Possible corneal burns.
Inhalation	Prolonged exposure to high concentrations of vapors may cause damage to respiratory tract.
Ingestion	May cause burns to mouth, esophagus and stomach lining.



## 3. Composition / Information on Ingredients

Components	CAS #	Percent
Potassium Hydroxide	1310-58-3	5-10
Proprietary Surfactant Blends	Blends	5-10
Triphosphoric acid, sodium salt	7758-29-4	1-5
Sodium Carbonate	497-19-8	1-5

## 4. First Aid Measures

**First aid procedures**

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 persists after washing.
Skin contact	Remove contaminated clothing and shoes, wash off completely. Get medical attention if irritation develops and persists.
Inhalation	If breathing is difficult, remove to fresh air and keep at rest in a position comfortable for breathing. Call a physician if symptoms develop or persist.
Ingestion	IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. Never give anything by mouth to a victim who is unconscious or is having convulsions. Rinse mouth thoroughly. Do not induce vomiting without advice from poison control center. If vomiting occurs, keep head low so that stomach content doesn't get into the lungs.

## 5. Fire Fighting Measures

**Flammable properties** No flammable ingredients.

Suitable extinguishing media	Water, dry chemical, foam.
Protection of firefighters	
Protective equipment and precautions for firefighters	Move containers from fire area if you can do so without risk. In the event of fire, cool tanks with water spray.
Specific methods	Cool containers exposed to flames with water until well after the fire is out.

## 6. Accidental Release Measures

Personal precautions	Keep unnecessary personnel away. Keep upwind. Keep out of low areas. Keep people away from and upwind of spill/leak. Ventilate closed spaces before entering them. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing.
Environmental precautions	Prevent further leakage or spillage if safe to do so. Do not contaminate water.
Methods for containment	ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Prevent entry into waterways, sewer, basements or confined areas.
Methods for cleaning up	Should not be released into the environment. Large Spills: Dike far ahead of spill for later disposal. Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination. Following product recovery, flush area with water. Never return spills in original containers for re-use.

## 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. Avoid breathing mist or vapor. Avoid contact with eyes. Wear personal protective equipment. Do not use in areas without adequate ventilation. Wash after handling. Avoid release to the environment.
Storage	Keep away from heat, sparks and open flame. Store in a well-ventilated place. Keep container tightly closed. Keep out of the reach of children. Use care in handling/storage.

## 8. Exposure Controls / Personal Protection

Engineering controls	Ensure adequate ventilation, especially in confined areas.
Exposure Limits	<b>Potassium Hydroxide:</b> 2 mg/m <sup>3</sup> (ACGIH) <b>Triphosphoric acid, sodium salt:</b> 10 mg/m <sup>3</sup> (ACGIH – inhalable)
Personal protective equipment	Avoid contact with eyes. Chemical goggles are recommended.
Eye/face protection	Wear suitable protective clothing.
Skin protection	
Respiratory protection	If ventilation is not sufficient to effectively prevent buildup of aerosols or vapors, appropriate NIOSH/MSHA respiratory protection must be provided.
General hygiene considerations	Avoid contact with eyes. Wash hands after handling and before eating. Keep away from food and drink. Handle in accordance with good industrial hygiene and safety practice. Eye wash fountain and are recommended.

## 9. Physical & Chemical Properties

Physical state	Clear liquid,
Odor	Bland Aroma
pH	13.8 ±0.5
Freezing point	Not determined
Boiling point	212 °F
Flash point	Non-flammable
Evaporation rate	Equal to water.
Flammability limits in air, upper, % by volume	NOT APPLICABLE.
Vapor pressure	Not Determined or Unknown
Vapor density	> 1 (Air = 1)
Specific gravity	1.167 ±0.005
Density	9.71 ±0.05

Viscosity Not determined  
Solubility Complete

## 10. Stability & Reactivity

Chemical stability Material is stable under normal conditions.  
Incompatibilities Strong oxidizers, and acids  
Hazardous decomposition products Carbon monoxide, sulfur dioxide and sodium sulfide.

## 11. Toxicological Information

Local effects Harmful if swallowed. Irritating to eyes. Irritating to skin.  
Carcinogenicity This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.

Component	Oral LD50	Inhalation LC50	Dermal LD50
Sodium Carbonate	2800 mg/kg (Rat)	2.3 mg/l (Rat)	>2000 mg/kg (Rabbit)
Proprietary Surfactants	>2000 mg/kg (Rat)		>2000 mg/kg (Rat)
Triphosphoric acid, sodium salt	3120 mg/kg (Rat)	-----	>4640 mg/kg (Rabbit)
Potassium Hydroxide	333mg/kg (Rat)		

## 12. Ecological Information

### Ecotoxicological data

Components Test Results  
**Proprietary Surfactant Blends** EC50 Water flea (Daphnia obtusa): 68 mg/l 48 hours  
LC50 (Oncorhynchus mykiss): 122 mg/l, 96 hours  
LC50 (Rainbow Trout): >100 mg/l 96 hours  
**Potassium Hydroxide** LC50: >1,850 mg/l  
**Triphosphoric acid, sodium salt** LC50 (daphnia): > 100 mg/l 48 hours

Ecotoxicity Contains a substance which causes risk of hazardous effects to the environment.  
Environmental effects An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.

## 13. Disposal Considerations

Disposal instructions Do not allow this material to drain into sewers/water supplies. Dispose in accordance with all applicable regulations.

## 14. Transport Information

DOT Information:  
**Hazardous:** Y  
**Shipping Name:** POTASSIUM HYDROXIDE, SOLUTION  
**UN Number:** UN1814  
**Freight Class:** 55  
**Hazard Class:** 8  
**Packing Group:** II  
**RQ (lbs.):** 1,000 lbs. (Potassium hydroxide)

## 15. Regulatory Information

CERCLA (Superfund) reportable quantity  
None  
Superfund Amendments and Reauthorization Act of 1986 (SARA)  
Section 302 extremely hazardous substance No  
Section 311 hazardous chemical Yes  
Section 313 Chemicals CERCLA RQ Potassium Hydroxide; 1,000 lb final RQ  
Triphosphoric acid, sodium salt; 5,000 lb final RQ  
Clean Water Act (CWA) Hazardous substance

State regulations

California Proposition 65

This product and its components are not listed, but it may contain impurities/trace elements known to the State of California to cause cancer or reproductive toxicity as listed under Proposition 65 State Drinking Water and Toxic Enforcement Act.

Right to Know Information: Potassium Hydroxide – CA, MA, NJ, PA, RI, CA (Prop 65)

## 16. Other Information

Further information

HMIS® is a registered trade and service mark of the NPCA.

HMIS® ratings

Health: 3  
Flammability: 0  
Physical hazard: 0  
Personal protection: C

NFPA ratings

Health: 3  
Flammability: 0  
Instability: 0

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