

SAFETY DATA SHEET

1. Product and Company Identification

Material name B.T.C.P
Product Use Tunnel Wash detergent
SDS#
Date 08/23/2019
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. |
| Chronic effects | |
| 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 | 1-5 |
| Proprietary Surfactant Blends | Composite | 5-10 |
| Triphosphoric acid, sodium salt | 7758-29-4 | 1-5 |
| Sodium Silicate | 1344-09-8 | 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.

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| 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 | Potassium Hydroxide: 2 mg/m ³ (ACGIH) Triphosphoric acid, sodium salt: 10 mg/m ³ (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

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|--|---------------------------|
| Physical state | Clear liquid, |
| Odor | Sweet, Fruity |
| pH | 13.0 ±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 | 1.072 ±0.005 |
| Density | 8.919±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 Silicate | 1153 mg/kg (Rat) | No Data | 4640 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

Proprietary Surfactant Blends

Potassium Hydroxide

Triphosphoric acid, sodium salt

Test Results

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

LC50: >1,850 mg/l

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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