

Product Code: MSDS455
Product Name: HYDRO SHIELD

24-hour Emergency Phone: (800) 535-5053

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1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

DISTRIBUTED BY:

16001 TRADE ZONE AVE.
UPPER MARLBORO, MD 20774

2. COMPOSITION/INFORMATION ON INGREDIENTS

Component/Exposure Limits	CAS#	% by Wt.
Octyl triethoxy silane	35435-21-3	Not Regulated
Ethanol	64-17-5	.10
ACGIH: 1000 ppm TWA		
NIOSH: 1000 ppm TWA; 1900 mg/m3 TWA		
OSHA - Final PELs: 1000 ppm TWA; 1900 mg/m3 TWA		
Magnesium nitrate	10377-60-3	Not Regulated
5-Chloro-2-methyl-4-isothiazolin-3-one	26172-55-4	Not Regulated
TWA: 0.076 mg/m3		
STEL: 0.23 mg/m3		
Water	7732-18-5	Not Regulated

3. HAZARDS IDENTIFICATION

Slight eye irritant. Inhalation of aerosol may be dangerous to health. May cause slight skin irritation.

Potential Health Effects

EYE:

May cause slight eye irritation.

SKIN:

May cause irritation. No acute toxic effects expected.

INGESTION:

May be harmful if swallowed and enters airways.

INHALATION:

Harmful if inhaled, dependent on the extent of exposure. Under normal conditions, using adequate ventilation no problems are expected. Inhalation of aerosolized silanes may be dangerous to health.

CHRONIC (CANCER) INFORMATION:

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Not listed by IARC or NTP as a carcinogen.

TERATOLOGY (BIRTH DEFECT) INFORMATION:

Not classified as a teratogen.

REPRODUCTION INFORMATION:

Does not harm reproductive cells.

4. FIRST AID MEASURES

EYES:

Rinse eyes with water. Remove contact lenses and continue rinsing. If irritation continues, seek medical advice.

SKIN:

Wash with soap and water.

INGESTION:

Treat symptomatically. Get medical attention if symptoms continue. Drink plenty of water in small portions.

INHALATION:

Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth to mouth, if possible. Call a poison control center or doctor for further treatment advice.

NOTE TO PHYSICIANS:

No specific antidote. Treatment of exposure should be directed at the control of symptoms and the clinical condition of the patient.

5. FIRE FIGHTING MEASURES

FLAMMABLE PROPERTIES:

FLASH POINT: N/A **Method:** N/A
Not flammable. Aqueous solution.

FLAMMABLE LIMITS:

Lower flammable limit: N/A
Upper flammable limit: N/A

AUTOIGNITION TEMPERATURE:

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Not Applicable.

HAZARDOUS COMBUSTION PRODUCTS:

Silicone dioxide, formaldehyde, carbon dioxide, carbon monoxide and incompletely burnt hydrocarbons.

EXTINGUISHING MEDIA:

Use extinguishing method appropriate for the surrounding fire.

FIREFIGHTING INSTRUCTIONS:

Wear appropriate and suitable protective clothing and breathing equipment for the situation. Follow NFPA Fire Protection Guidelines.

6. ACCIDENTAL RELEASE MEASURES

SMALL SPILL:

Collect free material. Absorb remainder on inert absorbant. Wash area with plenty of water.

LARGE SPILL:

If possible, clean up spill area with absorbent material or mop and then flush with plenty of water. Absorb liquid with vermiculite, floor absorbent or other absorbent material.

7. HANDLING AND STORAGE

HANDLING:

Avoid contact with skin and eyes. Wash hands thoroughly after handling.

STORAGE:

Keep containers covered. Avoid eye and prolonged skin contact. Take the usual chemicals handling precautions. Handle and use in a manner consistent with good industrial techniques and practices.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS:

None required under normal use. If used in a manor that creates a mist, wear an approved NIOSH approved respirator to prevent exposure.

RESPIRATORY PROTECTION:

None Normally Needed.

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SKIN PROTECTION:

Impervious Such As Neoprene or nitrile.

EYE PROTECTION:

Chemical splash goggles.

9. PHYSICAL AND CHEMICAL PROPERTIES

BOILING POINT: N/A
MELTING POINT: NO INFORMATION AVAILABLE.
VAPOR PRESSURE: NO INFORMATION AVAILABLE.
VAPOR DENSITY: NO INFORMATION AVAILABLE.
SOLUBILITY IN WATER: Soluble
SPECIFIC GRAVITY: .991
pH: 4.2 - 8.0
ODOR: No fragrance added.
APPEARANCE: Opaque milky white liquid.

10. STABILITY AND REACTIVITY

CHEMICAL STABILITY (CONDITIONS TO AVOID):

Stable.

INCOMPATIBILITY:

Strong oxidizing agents, strong acids.

HAZARDOUS DECOMPOSITION PRODUCTS:

Toxic levels of carbon monoxide, carbon dioxide, irritating aldehydes and ketones may be formed on burning. Heating in air may produce irritating aldehydes, acids, and ketones.

HAZARDOUS POLYMERIZATION:

Will not occur.

11. TOXICOLOGICAL INFORMATION

EYE:

No Information Available.

SKIN:

Direct contact may cause irritation.

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INGESTION:

No Information Available.

INHALATION:

No Information Available.

SUBCHRONIC:

All components of this product are listed on the U. S. TOXIC SUBSTANCE CONTROL ACT (TSCA) Inventory or exemption has been granted in accordance with 40 CFR 723.50.

CHRONIC/CARCINOGENICITY:

Not classified as a carcinogen.

TERATOLOGY:

Not a teratogen.

REPRODUCTION:

Not expected to effect human reproduction.

MUTAGENICITY:

Not mutagenic.

12. ECOLOGICAL INFORMATION

ECOTOXICOLOGICAL INFORMATION:

No Information Available.

CHEMICAL FATE INFORMATION:

There is no data available on the product.

13. DISPOSAL CONSIDERATIONS

Dispose of according to current and applicable Local, State and Federal Laws and Regulations by a licensed disposal agent.
Dispose empty containers in accordance with applicable regulations.

14. TRANSPORT INFORMATION(Not meant to be all inclusive)

Not regulated.

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15. REGULATORY INFORMATION: (Not meant to be all inclusive - selected regulations represent

U.S. FEDERAL REGULATIONS:

OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA) 29 CFR 1910.1200

OSHA:

HAZCOM STANDARD

CERCLA: SARA HAZARD CATEGORY:

Not regulated.

SECTION 313:

If applicable, materials are listed in Section II.

INTERNATIONAL REGULATIONS:

CANADIAN WHMIS:

No Information Available.

CANADIAN ENVIRONMENTAL PROTECTION ACT (CEPA):

No Information Available.

EINECS:

No information available.

STATE REGULATIONS:

Methanol is classified as a California Proposition 65 declarable substance (reproductive harm).

California Safe Harbor Values for Methanol are:

47,000 micrograms/day (inhalation)

23,000 micrograms/day (oral)

VOLATILE ORGANIC COMPOUNDS:

No Information Available.

16. OTHER INFORMATION

SDS Status:

Compliant with OSHA's new GHS safety data sheet (SDS).

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