

SAFETY DATA SHEET



HYDROTONE

SDS Revision Date: 05/26/2015

1. PRODUCT AND COMPANY IDENTIFICATION

1.1 Product Identifiers

Product Identity	Hydrotone
Alternate Names	Water Conditioner, Drainage Aid, Mixture

1.2 Relevant identified uses of the substance or mixture and uses advised against

Identified Uses	Water Conditioner, Drainage Aid, Sundry
Application Method	See Technical Data Sheet

1.3 Details of the supplier of the safety data sheet

Company Name	Hydrol Chemical Company, Inc. 520 Commerce Drive Yeadon, PA 19050
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1.4 Emergency telephone number

CHEMTREC (USA)	(800) 424-9300
Customer Service	
Hydrol Chemical Company, Inc.	(800) 345-8200 (610) 622-3603


2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

Reproductive toxicity 2; H361	Suspected of damaging fertility or the unborn child.
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2.2 GHS Label elements, including precautionary statements

Pictogram: 

Signal word: Warning

Hazard statements:

H360 May damage fertility or the unborn child.

Precautionary statements:

P201 Obtain special instructions before use.
P202 Do not handle until all safety precautions have been read and understood.
P281 Use personal protective equipment as required.

Response statements:

P308+313 IF exposed or concerned: Get medical advice / attention.

Storage statements:

P405 Store locked up.

Disposal statements:

P501 Dispose of contents / container in accordance with local / national regulations.

3. COMPOSITION / INFORMATION ON INGREDIENTS

This product contains the following substances that present a hazard within the meaning of the relevant State and Federal Hazardous Substances Regulations.

<u>Ingredient / Chemical Designations</u>	<u>Weight %</u>	<u>GHS Classification</u>	<u>Notes</u>
Borax Pentahydrate CAS Number: 0012179-04-3	1.0 – 5	Acute Toxicity 5; H303 Eye Irritant 2; H319 Reproductive Toxicity 2; H360	(1)(2)
Trisodium EDTA CAS Number: 0000150-38-9	25 – 40	None	(1)

(1) Substance classified with a health or environmental hazard.

(2) Substance with a workplace exposure limit.

4. FIRST AID MEASURES**4.1 Description of first aid measures**

General: Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area.

Inhalation: If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

Eyes: Flush eyes with water as a precaution.

Skin: Wash off with soap and plenty of water. Consult a physician.

Ingestion: Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

4.2 Most important symptoms and effects, both acute and delayed

Overview The most important known symptoms and effects are described in section 2.2 and/or in section 11.

5. FIRE-FIGHTING MEASURES**5.1 Extinguishing media**

Dry chemical, foam, carbon dioxide, and water fog.

5.2 Special hazards arising from the substance or mixture

Borane / boron oxides, sodium oxides, carbon monoxide, and carbon dioxide.

5.3 Advice for fire-fighters

Wear positive pressure self-contained breathing apparatus (SCBA) if necessary.

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment, and emergency procedures

Use personal protective equipment. Avoid breathing vapors, mist, or gas. Ensure adequate ventilation. Evacuate personnel to safe areas.

6.2 Environmental precautions

Prevent further leakage or spillage if safe to do so. Do not allow spills to enter drains or watercourses.

6.3 Methods and material for containment and cleanup

Soak up with inert absorbent material and dispose of in accordance with local regulations. Keep in suitable containers for disposal.

7. HANDLING AND STORAGE

7.1 Precautions for safe handling

See Section 2 for further details.

7.2 Conditions for safe storage, including any incompatibilities

Handle containers carefully to prevent damage and spillage.
Incompatible materials: Avoid contact with strong oxidizers / alkalis.
See Section 2 for further details.

7.3 Specific end use(s)

No data available.

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

8.1 Control parameters

<u>Ingredient / Chemical Designations</u>	<u>Exposure</u>	
	<u>Source</u>	<u>Value</u>
Borax Pentahydrate CAS Number: 0012179-04-3	OSHA	TWA 2 mg/m ³ , STEL 6 mg/m ³
	ACGIH	TWA 2 mg/m ³ ; STEL 6 mg/m ³
	NIOSH	TWA 1 mg/m ³ , STEL no data available
	Supplier	No established limit
Trisodium EDTA CAS Number: 0000150-38-9	OSHA	None listed
	ACGIH	None listed
	NIOSH	None listed
	Supplier	No established limit

Carcinogen Data

<u>Ingredient / Chemical Designations</u>	<u>Source</u>	<u>Value</u>
Borax Pentahydrate CAS Number: 0012179-04-3	OSHA NTP IARC	Select Carcinogen: No Known: No; Suspected: No Group 1, 2a, 2b, 3, 4: No
Trisodium EDTA CAS Number: 0000150-38-9	OSHA NTP IARC	N/A N/A N/A

8.2 Exposure controls

Respiratory	Not necessary where area is properly ventilated.
Eyes	Wear safety eyewear; safety glasses, goggles, or visors to protect against splashing liquid.
Skin	Wear overalls which cover the body, arms, and legs. Skin should not be exposed. All parts of the body should be washed after contact. Wear PVC, vinyl, nitrile, or latex gloves.
Engineering Controls	Provide adequate ventilation. If the use of local exhaust ventilation is insufficient to maintain vapor levels below occupational exposure limits, suitable respiratory protection must be worn.
Other Work Practices	Use good personal hygiene. Wash hands before eating, drinking, smoking, or toileting. Promptly remove soiled clothing; wash thoroughly before reuse.

See Section 2 Precautionary Statements for further details.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Clear, purple colored liquid
Odor	odorless
Odor threshold	No data available
pH	9.0 – 10.5
Melting pt. / freezing pt.	No data available
Initial boiling pt. and boiling range	100-102C (212-216°F)
Flash point (TCC)	Not applicable
Evaporation rate (Bu Acetate = 1)	No data available
Flammability (solid, gas)	Not applicable
Upper/Lower flammability or explosion limits	No data available
Vapor pressure (Pa)	No data available
Vapor density	No data available
Specific gravity	1.150-1.160
Solubility in water	Complete
Partition coefficient n-octanol/water (log Pow)	No data available
Auto-ignition temperature (C)	No data available
Decomposition temperature (C)	No data available
Viscosity (cps)	No data available

9.2 Other information

No other relevant information.

10. STABILITY AND REACTIVITY

10.1 Reactivity

Hazardous polymerization will not occur.

10.2 Chemical stability

Stable under recommended storage/handling conditions.

10.3 Possibility of hazardous reactions

No data available.

10.4 Conditions to avoid

No data available.

10.5 Incompatible materials

Avoid contact with potassium, acid anhydrides.

10.6 Hazardous decomposition products

No data available.

11. TOXICOLOGICAL INFORMATION

Acute toxicity

Ingredient / Chemical Designations	Oral LD50 (mg/kg)	Skin LD50 (mg/kg)	Inhalation Vapor LD50 (mg/L/4hr)	Inhalation Dust/Mist LD50 (mg/L/4hr)	Inhalation Gas LD50 (ppm)
Borax Pentahydrate CAS Number: 0012179-04-3	3,500.00, Rat - Category: 4	2,000.00, Rabbit - Category: 4	No data available	No data available	No data available
Trisodium EDTA CAS Number: 0000150-38-9	No data available	No data available	No data available	No data available	No data available

Item	Category	Hazard
Acute Toxicity (mouth)	5	May be harmful if swallowed
Acute Toxicity (skin)	-	N/A
Acute Toxicity (inhalation)	-	N/A
Skin Corrosion / Irritation	-	N/A
Eye Damage / Irritation	-	N/A
Sensitization (respiratory)	-	N/A
Sensitization (skin)	-	N/A
Germ Toxicity	-	N/A
Carcinogenicity	-	N/A
Reproductive Toxicity	-	No data available
Specific Target Organ Systemic Toxicity (single exposure)	-	N/A
Specific Target Organ Systemic Toxicity (repeated exposure)	-	N/A
Aspiration Hazard	-	N/A

12. ECOLOGICAL INFORMATION

12.1 Toxicity

Aquatic Ecotoxicity

Ingredient / Chemical Designations	96 hr LC50 Fish (mg/l)	48 hr EC50 Crustacean (mg/l)	ErC50 Algae (mg/l)
Borax Pentahydrate CAS Number: 0012179-04-3	79.70, Pimephales promelas	133.00, Daphnia magna	40.00, Pseudokirchneriella subcapitata
Trisodium EDTA CAS Number: 0000150-38-9	No data available	No data available	No data available

12.2 Persistence and degradability

No data available

12.3 Bioaccumulative potential

No data available

12.4 Mobility in soil

No data available

12.5 Results of PBT and vPvB assessment

This product contains no PBT/vPvB chemicals

12.6 Other adverse effects

No data available

13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Do not allow into drains or water courses. Wastes and emptied containers should be disposed of in accordance with regulations enacted under the Control of Pollution Act and the Environmental Protection Act.

Using information supplied within this SDS, advice should be obtained from the Waste Regulation Authority whether any special local municipal waste regulations apply.

14. TRANSPORTATION INFORMATION

14.1 Transport Classes

DOT (Domestic Surface Transportation)

DOT Proper Shipping

Name: Not regulated

DOT Shipping Class: N/A

IMO / IMDG (Ocean Transportation)

IMDG Proper Shipping

Name: Not regulated

IMDG Hazard Class: N/A

Sub Class: N/A

14.2 Environmental hazards

DOT: N/A

IMDG: N/A

15. REGULATORY INFORMATION

Overview The data provided in this section includes select regulations, and is not inclusive of all regulations that may be applicable to this product. All ingredients of this product are listed on the TSCA Inventory, or are not required to be listed.

WHMIS Classification N/A

US EPA Tier II Hazards	Fire:	No
	Sudden Pressure Release:	No
	Reactivity:	No
	Immediate Health:	No
	Delayed Health:	No

EPCRA 311/312 Chemicals and RQ (>0.1%)
Borax Pentahydrate

EPCRA 302 Extremely Hazardous (>0.1%)
None listed

EPCRA 313 Toxic Chemicals (>0.1%)
None listed

Proposition 65 - Carcinogens (>0.1%)
None listed

Proposition 65 - Developmental Toxins (>0.0%)
None listed

Proposition 65 - Female Reproductive Toxins (>0.0%)
None listed

Proposition 65 - Male Reproductive Toxins (>0.0%)
None listed

NJ RTK Substances (>1.0%)
Borax Pentahydrate

PA RTK Substances (>1.0%)
Borax Pentahydrate

16. OTHER INFORMATION

All information contained herein is based upon data believed to be correct. However, no guarantee, expressed or implied, is made with respect to the information contained within. We accept no responsibility and disclaim all liability for any harmful effects which may be caused by exposure to this product. Users of this product must comply with all health and safety laws and regulations applicable.

The full text of the phrases appearing in section 3 is as follows:

H303 May be harmful if swallowed
H319 Causes serious eye irritation
H360 May damage fertility or the unborn child

This Safety Data Sheet was prepared using information provided by / obtained by Hydrol Chemical Company, Inc. The information is offered for your consideration and guidance when exposed to the product. Hydrol Chemical Company, Inc. expressly disclaims all expressed or implied warranty and assumes no responsibility for the accuracy or completeness of the data contained herein. The data in this SDS does not apply to use with any other product or in any other process as to the accuracy of and/or sufficiency of such information. This SDS may not be changed or altered in any way without the expressed knowledge and permission of Hydrol Chemical Company, Inc.

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