

# SAFETY DATA SHEET



Issue Date: 24 October 2018

Revision Date: NEW

Version: V1.0-2018

## 1. PRODUCT AND COMPANY IDENTIFICATION

**Product Name:** Duraguard HM Accelerator

**Other Means of Identification**

**SDS #:** F5080

**Recommended Use:** Concrete Curing Accelerator

**Restrictions on Use:** No Data

**Supplier of the Safety Data Sheet including Address:**

ChemMasters Inc.  
300 Edwards Street  
Madison, OH 44057

**Telephone Numbers**

**Company Phone Number**

Phone: 800-486-7866, 440-428-2105

Fax: 440-428-7091

**Emergency Telephone:** ChemTrec 800-424-9300

## 2. HAZARDS IDENTIFICATION

**Emergency Overview**

**OSHA Hazards**

Alkaline. Causes serious eye irritation and skin irritation.

**Target Organs:** Eye, Skin

**GHS Classification**

Acute toxicity – Oral Category 4

Acute toxicity – Dermal Category 4

Skin corrosion/irritation Category 1 Sub Cat C

Skin Irritation Category 1

Eye Irritation Category 1

**Label Elements, including precautionary statements**

**Pictograms:**  

**Signal Word:** Warning

**Hazard Statements:**

**H314** Causes severe skin burns and eye damage

**H319** Causes serious eye irritation

**H317** May cause an allergic skin reaction

**H302** Harmful if swallowed

H312 Harmful in contact with skin

**Precautionary Statement(s)**

**Prevention:**

- P264 Wash hands and skin thoroughly after handling.
- P280 Wear protective gloves/protective clothing/eye protection/face protection.
- P261 Avoid breathing dust/fume/gas/mist/vapors/spray
- P270 Do not eat, drink or smoke when using this product
- P272 Contaminated work clothing must not be allowed out of the workplace

**Response:**

**Immediately call a POISON CENTER or doctor/physician**

**IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing**

**Immediately call a POISON CENTER or doctor/physician**

**IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower**

**Call a POISON CENTER or doctor/physician if you feel unwell**

**IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing**

**Immediately call a POISON CENTER or doctor/physician**

**IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell**

**Rinse mouth**

**Do NOT induce vomiting**

**Storage:**

**Store Locked Up**

**Hazards Not Otherwise Classified:** Spilled material is slippery.

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

**Component**

2,4,6-Tris(dimethylaminomethyl)phenol	CAS No. 90-72-2	85-95%
bis dimethylaminomethyl phenol	CAS No. 71074-89-0	5-15%

Ingredients not listed on this safety data sheet are considered to be non-hazardous according to OSHA 1910.1200 or are not present above their cutoff levels. Where a range is displayed, the exact percentage of composition has been withheld as a trade secret.

**4. FIRST AID MEASURES**

**First Aid Measures**

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

**Inhalation:** IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/doctor if you feel unwell.

**Eye Contact:** Hold eyelids apart, initiate and maintain gentle and continuous irrigation until the patient received medical care. If medical care is not promptly available, continue to irrigate for one hour..

**Ingestion:** Do not induce vomiting without medical advice. Never give anything by mouth to an

unconscious person. If vomiting occurs spontaneously, keep head below hips to prevent aspiration.

**Skin Contact:** Immediately remove contaminated clothing and any extraneous chemical, if possible to do so without delay. Initiate and maintain continuous irrigation until the patient receives medical care. If medical care is not promptly available, continue to irrigate for one hour. Cover wound with sterile dressing.

## 5. FIRE-FIGHTING MEASURES

### Suitable Extinguishing Media

Water spray, alcohol-resistant foam, dry chemical, or carbon dioxide

### Specific Hazards Arising from the Chemical

Not Applicable. Product is a Non-combustible Aqueous solution.

### Hazardous Combustion Products

None known

### Protective Equipment and Precautions for Firefighters

Wear self-contained breathing apparatus and full protective gear for firefighting.

### Further Information

Product is compatible with all standard fire-fighting techniques.

## 6. ACCIDENTAL RELEASE MEASURES

### Personal Precautions, Protective Equipment and Emergency Procedures

Wear protective gloves/protective clothing and eye/face protection. Wear self-contained breathing apparatus. Evacuate personnel to safe areas.

### Environmental Precautions

Prevent further leakage or spillage if safe to do so. Do not let product enter drains or soil/vegetation.

### Methods and Material for Containment and Cleaning Up

Contain spillage with sand, earth or a suitable adsorbent and transfer to a container for disposal according to local regulations.

## 7. HANDLING AND STORAGE

### Precautions for Safe Handling

Avoid contact with skin and eyes. The workplace should be equipped with an emergency shower and eye-rinsing facility. Use personal protection equipment. Do not eat, drink or smoke when using this product.

### Conditions for Safe Storage, Including any Incompatibilities

Do not store near acids. Store in steel containers preferably located outside, above ground, and surrounded by dikes to contain spills or leaks. Keep containers tightly closed in a dry, cool and well-ventilated place.

Unsuitable Containers: Reactive Metals

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Exposure Guidelines

#### Component Exposure Limits

No occupational exposure limit has been assigned to Silicic acid, Sodium Salt. An exposure limit of 2 mg/m<sup>3</sup> (15 min. TWA) is recommended by analogy with sodium hydroxide (UK EH40).

### Appropriate Engineering Controls

Showers  
Eyewash stations  
Ventilation systems.

### Individual Protection Measures, such as Personal Protective Equipment

**Eye/Face Protection:** Full face shield with goggles underneath.

**Skin and Body Protection:** Chemical resistant protective gloves. Impervious clothing. Wear suitable protective clothing.

**Respiratory Protection:** No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.

### General Hygiene Considerations

Discard contaminated leather articles. Take off contaminated clothing and wash before reuse. Wash hands before breaks and after work. Handle in accordance with good industrial hygiene and safety practice.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### Information on Basic Physical and Chemical Properties

**Physical State:** Liquid

**Appearance:** Yellow Liquid

**Color:** Yellow

**Odor:** Amine-Like

**Odor threshold:** No Data

<u>Property</u>	<u>Value</u>	<u>Remarks – Method</u>
Vapor Pressure	Not Available	
Vapor Density	Not Available	
Relative Density	0.97, @ 21 °C	
pH:	11.3	
Melting/Freezing Point	-20 °C	
Solubility	Soluble in water	
Evaporation Rate	Not Available	
Flash Point	148.9 °C	
Flammability Limits	Not Relevant	
Flammability (Solid, gas)	Not Relevant	
Auto Ignition Temperature	Not Relevant	
Initial Boiling Point/Boiling Range	> 100 °C	
Decomposition Temperature	Not Available	
Viscosity	200 mPa s @ 25 °C	
Specific Gravity	Not Available	

## 10. STABILITY AND REACTIVITY

**Chemical Stability:** Stable under normal conditions

**Possibility of Hazardous Reactions:** None under normal processing.

**Conditions to Avoid:** Product slowly corrodes copper, aluminum, zinc and galvanized surfaces.

**Incompatible Materials:** Organic acids. Mineral acids. Sodium hypochlorite. Reaction with peroxides may result in violent decomposition of peroxide possibly creating an explosion..

**Hazardous Decomposition Products:** Nitric acid. Ammonia. Nitrogen oxides (NOx). Carbon monoxide. Carbon dioxide (CO2).

## 11. TOXICOLOGICAL INFORMATION

### **Potential Health Effects – Acute Toxicity**

<b>Ingestion</b>	Specific test data for the substance or mixture is not available
<b>Inhalation</b>	Specific test data for the substance or mixture is not available
<b>Skin</b>	Specific test data for the substance or mixture is not available
<b>Eyes</b>	Specific test data for the substance or mixture is not available

### **Information on Physical, Chemical and Toxicological Effects:**

Information on likely routes of exposure:

Effects on eye: Corneal edema may give rise to a perception of "blue haze" or "fog" round lights. Exposed individuals may see rings around bright lights. This effect is temporary and has no known residual effect. Product vapor can cause glaucopsia (corneal edema) when absorbed into the tissue of the eye from the atmosphere. Causes eye burns. May cause blindness. Effects on skin: Causes skin burns. If absorbed through the skin, may cause central nervous system effects, such as headache, nausea, dizziness, confusion, breathing difficulties. Symptoms of over exposure may be headache, dizziness, tiredness, nausea and vomiting. Harmful in contact with skin. Inhalation effects: Can cause severe eye, skin and respiratory tract burns. May cause central nervous system effects, such as headache, nausea, dizziness, confusion, breathing difficulties. Severe cases of overexposure can result in respiratory failure. Ingestion effects: If ingested, severe burns of the mouth and throat, as well as a danger of perforation of the esophagus and the stomach. Harmful if swallowed.

### **Delayed - Chronic Effects from Long-Term Exposure**

Not Available

### **Carcinogenicity: IARC, ACGIH, NTP, OSHA**

None Known

## 12. ECOLOGICAL INFORMATION

### **Ecotoxicity:**

The environmental impact of this product has not been fully investigated.

**Persistence and Degradability:** No information available

**Bioaccumulation:** No information available

**Mobility:** No information available

**Other Adverse Effects:** No information available

## 13. DISPOSAL CONSIDERATIONS

### **Waste Treatment Methods**

**Disposal of Wastes:** Dispose of in accordance with local regulations. Dispose of waste in accordance with environmental legislation

**Contaminated Packaging:** Do not reuse empty containers.

US EPA Waste Number D002.

## 14. TRANSPORT INFORMATION

D.O.T.:

UN/ID no. UN2735

Proper shipping name Amines, liquid, corrosive, n.o.s.

Hazard Class 8

Packing Group II

Special Provisions B2, IB2, T11, TP1, TP27

**Description** UN2735, Amines, liquid, corrosive, n.o.s. (2,4,6-Tris(dimethylaminomethyl)phenol), 8, II  
**Emergency Response Guide Number** 153

**I.M.D.G.:**

**UN/ID no.** UN2735

**Hazard Class** 8

**Packing Group** II

**EmS-No.** F-A, S-B

**Special Provisions** 274

**Description** UN2735, Amines, liquid, corrosive, n.o.s. (2,4,6-Tris(dimethylaminomethyl)phenol), 8, II

**Marine Pollutant:** Yes

**I.A.T.A.:**

**UN/ID no.** UN2735

**Hazard Class** 8

**Packing Group** II

**ERG Code** 8L

**Description** UN2735, Amines, liquid, corrosive, n.o.s. (2,4,6-Tris(dimethylaminomethyl)phenol), 8, II

## 15. REGULATORY INFORMATION

### International Inventories

**TSCA:** All chemical substances in this material are included on or exempted from listing on the TSCA Inventory of Chemical Substances.

### US Federal Regulations

**SARA 302:** None

**SARA 311/312 Hazard Categories:** Acute: Yes

**SARA 313 Hazard Categories:** None

**CWA (Clean Water Act):** None

**Supplemental State Compliance Information:** None

**U.S. EPA Label Information:** No Data

## 16. OTHER INFORMATION

### HMIS Classification:

Health hazard: 3  
Flammability: 1  
Physical Hazards: 0

### NFPA Rating:

Health hazard: 3  
Fire: 1  
Reactivity Hazard: 0

**Issuance Date: 24 October 2018**

**Revision Date: New**

**Revision Note: New**

**Date of Previous Version: N/A**

### **Disclaimer**

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

**End of Safety Data Sheet**