

SAFETY DATA SHEET

Issue Date: February 18, 2015

Revision Date: February 18, 2015

Version: 2015

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: JS Surface Retarder

Other Means of Identification: SDS #: F6110

Recommended Use: Concrete surface retarder suitable for use on horizontal surfaces to produce decorative exposed aggregate finishes or profiled surfaces for subsequent toppings.

Restrictions on Use: No Data

Supplier of the Safety Data Sheet including Address:

Jobsite Supply
624 S. Missouri Street
Indianapolis, IN 46225

Telephone Numbers

Company Phone Number

Phone: 317-684-7474

FAX: 317-684-7484

Emergency Telephone: ChemTrec 800-424-9300 (United States & Canada), International Call: 1-703-527-3887

2. HAZARDS IDENTIFICATION

Emergency Overview

OSHA Hazards:

Causes serious eye damage, Harmful if swallowed, Causes skin irritation, May cause respiratory irritation.

GHS Classification:

Eye damage/irritation – Category 1

Skin Corrosion/Irritation – Category 2

Acute Toxicity – Oral – Category 4

Specific Target Organ Toxicity (Single Exposure) - Category 3

Label Elements, including precautionary statements

Pictograms:



Signal Word: Danger

Hazard Statements:

H302 Harmful if swallowed.

H315 Causes skin irritation

H318 Causes serious eye damage.

H335 May cause respiratory irritation

Precautionary Statement(s)

Prevention:

- P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
- P264 Wash hands and skin thoroughly after handling.
- P270 Do not eat, drink or smoke when using this product.
- P271 Use only outdoors or in a well-ventilated area.
- P280 Wear protective gloves/protective clothing/eye protection/face protection.

Response:

- P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- P310 Immediately call a POISON CENTER/doctor
- P301+P312 IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell.
- P330 Rinse mouth.
- P302+P352 IF ON SKIN: Wash with plenty of soap and water.
- P332+P313 If skin irritation occurs: Get medical advice or attention.
- P304+P340+P312 IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/doctor if you feel unwell.
- P362+P364 Take off contaminated clothing and wash it before reuse.

Storage: P403+P235+P233 Store in a well-ventilated place. Keep Container tightly closed.
P405 Store Locked Up

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

Hazards not otherwise classified: None known

3. COMPOSITION/INFORMATION ON INGREDIENTS

Component

Water	CAS#: 7732-18-5	80-85%
Hydroxyacetic Acid	CAS#: 79-14-1	5-10%
Sodium 2,3,4,5,6, pentahydroxy-hexanoate	CAS#: 527-07-1	5-10%
Potassium Hydroxide	CAS#: 1310-58-3	5-10%
S Triazine 1,3,5 (2H,4H,,6H) Triethanol	CAS#: 4719-04-4	<0.1%

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: Call a POISON CENTER/doctor if you feel unwell.

Eye Contact: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get immediate medical advice or attention.

Ingestion: IF SWALLOWED: Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Call a POISON CENTER/doctor if you feel unwell.

Skin Contact: Wash off with plenty of soap and water. If skin irritation occurs: Get medical advice or attention.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media

Material is not combustible. Use water spray, alcohol-resistant foam, dry chemical, or carbon dioxide for the surrounding fire.

Specific Hazards Arising from the Chemical

No specific data available.

Hazardous Combustion Products

Oxides of Carbon

Protective Equipment and Precautions for Firefighters

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

Further Information

See Section 7 for safe handling and storage.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures

In case of spill wear appropriate personal protective equipment during any cleanup and response activities. Avoid skin contact and inhalation.

Environmental Precautions

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

Methods and Material for Containment and Cleaning Up

Dike and contain spill with inert absorbent materials. Soak up with inert material and keep in suitable, closed containers for disposal. Dispose of in accordance with specified local/regional/national/international regulations for disposal.

7. HANDLING AND STORAGE

Precautions for Safe Handling

Avoid contact with skin and eyes. Avoid inhalation of vapour or mist.

Conditions for Safe Storage, Including any Incompatibilities

General information: Keep container tightly closed in a dry and well ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Keep away from heat. Keep from freezing. Store product above 50 degrees F/10 degrees C and below 95 degrees F/35 degrees C.

Safe Storage: Do not store in metal containers especially aluminum.

Incompatibilities: None known

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines

Component Exposure Limits

Potassium Hydroxide, CAS#1310-58-3: 2 mg/m³ ACGIH Ceiling, 2 mg/m³ OSHA Ceiling.

Appropriate Engineering Controls

Local Ventilation: Recommended

General Ventilation: Recommended

Individual Protection Measures, such as Personal Protective Equipment

Eye/Face Protection: Use proper protection – Safety Glasses as a minimum

Skin and Body Protection: Wash at mealtime and end of shift. Skin contact must be avoided by using impervious protective clothing (gloves, aprons, boots, etc.). Use chemical protective gloves as a minimum and wash skin promptly upon any skin contact.

Respiratory Protection: Use respiratory protection unless adequate local exhaust ventilation is provided or exposure assessment demonstrates that exposures are within recommended exposure guidelines. Where concentrations are above recommended limits or are unknown, appropriate respiratory protection should be worn. Follow OSHA respirator regulations (29 CFR 1910.134) and use NIOSH/MSHA approved respirators.

General Hygiene Considerations

Handle in accordance with good industrial hygiene and safety practice. Wash hands before & after breaks and work day.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on Basic Physical and Chemical Properties

Physical State

Appearance: Liquid
Color: Clear Dark Green

Odor: Mild
Odor threshold: No Data

<u>Property</u>	<u>Value</u>	<u>Remarks – Method</u>
Vapor Pressure	Not Available	
Vapor Density	Not Available	
Relative Density	Not Available	
pH:	8-10	
Melting/Freezing Point	32 Degrees F (0 Degrees C)	
Solubility	Not Available	
Evaporation Rate	Not Available	
Flash Point	Not Relevant	
Flammability Limits	Not Relevant	
Flammability (Solid, gas)	Not Relevant	
Auto Ignition Temperature	Not Available	
Initial Boiling Point/Boiling Range	≥212 Degrees F (>100 Degrees C)	
Decomposition Temperature	Not Available	
Viscosity	Not Available	
Specific Gravity	1.1	Density: 9.15 lb./gal. +/- 0.1

10. STABILITY AND REACTIVITY

Chemical Stability: Stable

Possibility of Hazardous Reactions: May react with chemically reactive metals such as aluminum, zinc, magnesium, copper, etc. to release hydrogen gas.

Conditions to Avoid: Keep away from heat. Keep from Freezing

Incompatible Materials: Reactive metals

Hazardous Decomposition Products: Oxides of Carbon

11. TOXICOLOGICAL INFORMATION

Likely Routes of Exposure: Skin Contact, Eye Contact, Inhalation
(Ingestion is not a likely route of exposure under normal conditions of use.)

Symptoms of Exposure:

Skin: Contact with skin causes irritation.

Eye: Contact with eye may cause serious eye damage if not promptly treated.

Inhalation: Inhalation of vapors or mist may cause irritation of the respiratory system.

Ingestion: Ingestion may cause irritation of the mouth, throat, esophagus, and stomach.

Numerical measures of toxicity:

Ingredient: No Data Available

Delayed and Immediate Effects as well as Chronic Effects from Short and Long-Term Exposure

Carcinogenicity: Not characterized as a potential carcinogen by IARC, NTP or OSHA.

12. ECOLOGICAL INFORMATION

Eco toxicity: No data available

Persistence and Degradability: No data available

Bioaccumulation: No Data Available

Mobility: No Data Available

Other Adverse Effects: No additional information.

13. DISPOSAL CONSIDERATIONS

Waste Treatment Methods

Disposal of Wastes: This product is not a hazardous waste under RCRA. Dispose of in conformance with all federal, state and local regulations.

Contaminated Packaging: Dispose of as unused material.

14. TRANSPORT INFORMATION

DOT: Not Regulated

IMDG: Not Regulated

IATA: Not Regulated

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 Known

SARA 311/312 Hazard Categories: Acute Health Hazard, Delayed (Chronic) Health Hazard

SARA 313 Hazard Categories: None Known

CWA (Clean Water Act): None Known

Supplemental State Compliance Information

California:

This product contains no known chemical(s) listed by the State of California under the Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65) as being known to cause cancer, birth defects or other reproductive harm.

New Jersey Right To Know:

CAS Number Component Name

None Known

Pennsylvania Right To Know:

None Known

U.S. EPA Label Information: No Data

Canada

WHMIS Classification: Class D2B (Toxic)

Symbol: Stylized T



16. OTHER INFORMATION

HMIS Classification:

Health hazard: 2

Flammability: 0

Physical Hazards: 0

NFPA Rating:

Health hazard: 2

Fire: 0

Reactivity Hazard: 0

Issuance Date: February 18, 2015

Revision Date: February 18, 2015

Revision Note: New

Date of Previous Version: NA

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