SAFETY DATA SHEET

Section 1. Identification

GHS product identifier

Product Form: Substance
Product Type: Liquid
Substance Name: CreteDefender MS2 ("Multi Surface Sealer")
Product Code: MS2RTU
SDS #: CD-002
HTS#: H.S.2839.11.0000
Other means of identification: Not available

Intended Use of the Product

Identified Uses: Industrial

Name, Address, and Telephone of the Responsible Party

CreteDefender, Inc.
20 S. Sarah Street
St. Louis, MO 63108
1-877-830-6008

Emergency Telephone Number: US and Canada: 1-800-535-5053
International: 1-352-323-3500

Section 2. Hazards Identification

OSHA/HCS status: This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200)

Classification of the substance or mixture: SKIN CORROSION/IRRITATION - Category 2
SERIOUS EYE DAMAGE / EYE IRRITATION - Category 2

GHS Label Elements

Hazard pictograms (GHS - US)

Signal Word: Warning

Hazard statements: H319 - Causes serious eye irritation.
H315 - Causes skin irritation.

Precautionary statements

Prevention:	P280 - Wear eye/face protection, protective clothing, protective gloves.
	P264 - Wash hands, forearms, and exposed areas thoroughly after handling.
Response:	P302+P352+P361 - IF ON SKIN: Wash with plenty of soap and water. Take off contaminated clothing. Wash contaminated clothing before reuse. If skin irritation occurs: Get medical attention. P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P337+P313 - If eye irritation persists: Get medical attention.
Storage:	Not applicable
Disposal:	Not applicable

Hazards not otherwise classified: None known

Section 3. Composition/Information on Ingredients

Ingredient Name	%	CAS Number
Water	95 - 98	7732-18-5
Water soluble reactive methylsilicates	3-5	16589-43-8

Any concentration shown as a range is to protect confidentiality or is due to batch variation.

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment, thereby requiring reporting in this section.

Occupational exposure limits, if available, are listed in Section 8.

Section 4. First Aid Measures

Description of necessary first aid measures

Eye contact:	Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove contact lenses. Continue to rinse for at least 10 minutes. Get medical attention.
Inhalation:	Remove victim to fresh air and keep at rest in a position comfortable for breathing. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention if adverse health effects persist or are severe. if unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing, such as a collar, tie, belt, or waistband.
Skin contact:	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Continue to rinse for at least 10 minutes. Get medical attention. Wash clothing before reuse. Clean shoes thoroughly before reuse.
Ingestion:	Wash out mouth with water. Remove dentures, if any. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick, as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting

occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention if adverse health effects persist or are severe. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing, such as a collar, tie, belt, or waistband.

Most important symptoms/effects, acute and delayed

Potential acute health effects

Eye contact:	Causes serious eye irritation
Inhalation:	No known significant effects or critical hazards
Skin contact:	Causes skin irritation
Ingestion:	Irritating to mouth, throat, and stomach

Over-exposure to signs/symptoms

Eye contact:	Adverse symptoms may include the following: Pain or irritation Watering Redness
Inhalation:	No specific data
Skin contact:	Adverse symptoms may include the following: Irritation Redness
Ingestion:	No specific data

Indication of immediate medical attention and special treatment needed, if necessary

Notes to physician:	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
Specific treatments:	No specific treatment

See toxicological information (Section 11)

Section 5. Fire-fighting Measures

Extinguishing Media

Suitable extinguishing media:	Use an extinguishing agent suitable for the surrounding fire.
Unsuitable extinguishing media:	None known
Specific hazards arising from the substance:	In a fire or if heated, a pressure increase will occur and the container may burst
Hazardous thermal decomposition products:	No specific data
Special protective equipment for firefighters:	Firefighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in a positive pressure mode.

Section 6. Accidental Release Measures

Personal precautions:	No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.

Environmental precautions: Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

Methods for cleaning up

Small spill: Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste container. Dispose of via a licensed waste disposal contractor.

Large spill: Stop leak if without risk. Move containers from spill area. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material, e.g. sand, earth, vermiculite or diatomaceous earth, and place in container for disposal according to local regulations (See Section 13). Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.

Section 7. Handling and Storage

Handling: Put on appropriate personal protective equipment (see Section 8). Do not ingest. Avoid contact with eyes, skin and clothing. Avoid breathing vapor or mist. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty container retain product residue and can be hazardous. Do not reuse container. Clean equipment with soap and water as soon as possible after use.

Storage: Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not stop in unlabeled containers. Use appropriate containment to avoid environmental contamination. Do not store in aluminum containers as flammable hydrogen gas can be generated. Do not use aluminum fittings or transfer lines.

Section 8. Exposure Controls/Personal Protection

Control parameters

Occupational exposure limits: None

Engineering measures: Good general ventilation should be sufficient to control worker exposure to airborne contaminants.

Hygiene measures: Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

Personal Protection

Respiratory: If a risk assessment indicates this is necessary, use a properly fitted, air-purifying or aired respirator complying with an approved standard. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.

Hands: Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary.

According to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Eyes:	Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to lucid splashes mists, gases or dusts. Recommended: splash goggles.
Skin:	Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handing this product.
Environmental exposure controls:	Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

Personal protective equipment (pictograms):

Section 9. Physical and Chemical Properties

Appearance

Physical state:	Clear liquid
Color:	Colorless
Odor:	None to slightly soapy
Odor threshold:	Not available
pH:	12
Melting point:	0°C (32°F)
Boiling point:	101.11 to 102.22°C (214 to 216°F)
Flash point:	Closed cup. Not applicable.
Burning time:	Not applicable
Burning rate:	Not applicable
Evaporation rate:	Not applicable
Flammability (solid, gas):	Not applicable
Lower and upper explosive (flammable) limits:	Not available
Vapor pressure:	Not applicable
Vapor density:	Not applicable
Burning time:	Not applicable
Relative density:	1.00 to 1.01
Solubility:	Easily soluble in cold water and hot water
Solubility in water:	Not available
Partition coefficient n-octanol/water:	Not available
Auto-ignition temperature:	Not available
Decomposition temperature:	Not available
Viscosity:	Not available
Elemental Phosphorus:	Not available

According to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

VOC content: 0% [calculated value for the mixture]

Section 10. Stability and Reactivity

Reactivity:	No specific test data related to reactivity available for this product or its ingredients
Chemical stability:	The product is stable
Possibility of hazardous reactions:	Under normal conditions of storage and use, hazardous reactions will not occur.
Conditions to avoid:	No specific data
Incompatible materials:	Extremely reactive or incompatible with the following materials: oxidizing materials and acids.
Hazardous decomposition products:	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
Storage:	Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

Section 11. Toxicological Information

Information on toxicological effects

Information on the likely routes of exposure:	Dermal contact. Eye contact. Inhalation.

Potential acute health effects

Eye contact:	Causes serious eye irritation
Inhalation:	No known significant effects or critical hazards
Skin contact:	Causes skin irritation
Ingestion:	Irritating to mouth, throat, and stomach

Symptoms related to the physical, chemical and toxicological characteristics

Eye contact:	Adverse symptoms may include the following: Pain or irritation Watering Redness
Inhalation:	No specific data
Skin contact:	Adverse symptoms may include the following: Irritation Redness
Ingestion:	No specific data

Delayed and immediate effects and also chronic effects from short and long term exposure

Short term exposure

Potential immediate effects:	Not available
Potential delayed effects:	Not available

Long term exposure

Potential immediate effects:	Not available
Potential delayed effects:	Not available

According to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Potential chronic health effects: Not available

General:	No known critical effects or critical hazards
Carcinogenicity:	No known critical effects or critical hazards
Mutagenicity:	No known critical effects or critical hazards
Teratogenicity:	No known critical effects or critical hazards
Developmental effects:	No known critical effects or critical hazards
Fertility effects:	No known critical effects or critical hazards

Numerical measures of toxicity

Acute toxicity estimates

Route	ATE value
Oral	19600 mg/kg

Section 12. Ecological Information

Ecotoxicity:	Not available
Aquatic Ecotoxicity:	Not available

Section 13. Disposal Considerations

Waste Disposal: The generation of waste should be avoided or minimized whenever possible. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe way. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements.

Section 14. Transport Information

Not classified as dangerous in the meaning of: DOT, ADR / RID, IMDG / IMO, ICAO / IATA

Section 15. Regulatory Information

U.S. Federal regulations: TSCA 12(b) one-time export: No products were round
TSCA 12(b) annual export notification: No products were found
United States inventory (TSCA 8b): All components are listed or exempted.

EPA Registration Number: Not available

Clean Air Act Section 112 (b) Hazardous Air Pollutants (HAPs): Not listed

SARA 302/304

Composition / information on ingredients: No products were found

According to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

SARA 304 RQ:	Not applicable
SARA 311/312	
Classification:	Immediate (acute) health hazard
State Regulations	
Massachusetts:	None of the components are listed
New York:	None of the components are listed
New Jersey:	None of the components are listed
Pennsylvania:	None of the components are listed
California Prop 65:	None of the components are listed
Canada	
Canadian NPRI:	None of the components are listed
Canada inventory:	All components are listed or exempted
Canadian PCP/DIN Number:	Not available

International Regulations

International lists:	Australia inventory (AICS): All components are listed or exempted
	China inventory (IECSC): All components are listed or exempted
	Japan inventory: Not determined
	Korea inventory: All components are listed or exempted
	Malaysia inventory (EHS Register): Not determined
	New Zealand Inventory of Chemicals (NZIoC): All components are listed or exempted
	Philippines inventory (PICCS): All components are listed or exempted
	Taiwan inventory (CSNN): Not determined

Section 16. Other Information

History

Date of printing:	02/22/2017
Date of issue/Date of revision:	02/22/2017
Date of previous issue:	10/28/2016
Version:	1.4

Notice to reader

To the best of our knowledge, the information contained herein is accurate. However, neither the above-named supplier, nor any of its subsidiaries, assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

According to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations