



# SAFETY DATA SHEET

This Safety Data Sheet Complies With the Requirements of: 29 CFR 1910.1200

Revision Date: 09-Apr-2015

Version 1

## 1. IDENTIFICATION

### Product Identifier

**Product Name** SCALE-SHIELD SS-712

### Other Means of Identification

**Product Code** SS-712

### Recommended Use of the Chemical and Restrictions on Use

**Recommended Use** Scale Inhibitor.

### Details of the Supplier of the Safety Data Sheet

Aegis Chemical Solutions  
Corporate Headquarters  
4560 Kendrick Plaza Dr., Ste 190  
Houston, TX 77032  
Telephone: 281-258-4095

### Emergency Telephone Number

**Company Phone Number** 281-258-4095  
**Emergency Telephone** Chemtrec 1-800-424-9300

## 2. HAZARDS IDENTIFICATION

### Classification

#### **OSHA Regulatory Status**

This product is not considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200).

### Label Elements

#### **Emergency Overview**

**Color** Yellow to Amber

**Physical State** Liquid

**Odor** Faint

### Hazards Not Otherwise Classified (HNOC)

Not applicable

### Other Information

Unknown acute toxicity 35% of the mixture consists of ingredient(s) of unknown toxicity.

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

### Substance

The product contains no substances which at their given concentration, are considered to be hazardous to health.

#### 4. FIRST AID MEASURES

##### Description of First Aid Measures

<b>Eye Contact</b>	Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a physician.
<b>Skin Contact</b>	Wash skin with soap and water.
<b>Inhalation</b>	Remove to fresh air.
<b>Ingestion</b>	Clean mouth with water and drink afterwards plenty of water.

##### Most Important Symptoms and Effects, Both Acute and Delayed

**Symptoms** No information available.

##### Indication of Any Immediate Medical Attention and Special Treatment Needed

**Note to Physicians** Treat symptomatically.

#### 5. FIRE-FIGHTING MEASURES

##### Suitable Extinguishing Media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

**Unsuitable Extinguishing Media** Do not use a solid water stream as it may scatter and spread fire.

##### Specific Hazards Arising From the Chemical

No information available.

##### Explosion Data

**Sensitivity to Mechanical Impact** None.

**Sensitivity to Static Discharge** None.

##### Protective Equipment and Precautions for Firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

#### 6. ACCIDENTAL RELEASE MEASURES

##### Personal Precautions, Protective Equipment and Emergency procedures

**Personal Precautions** Ensure adequate ventilation, especially in confined areas.

##### Environmental Precautions

**Environmental Precautions** See Section 12 for additional ecological information.

##### Methods and Material for Containment and Cleaning Up

**Methods for Containment** Prevent further leakage or spillage if safe to do so.

**Methods for Cleaning Up** Pick up and transfer to properly labeled containers.

#### 7. HANDLING AND STORAGE

##### Precautions for Safe Handling

**Advice on Safe Handling** Handle in accordance with good industrial hygiene and safety practice.

**Conditions for Safe Storage, Including any Incompatibilities**

<b>Storage Conditions</b>	Keep containers tightly closed in a dry, cool and well-ventilated place.
<b>Incompatible Materials</b>	None known based on information supplied.

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION****Control Parameters**

NIOSH IDLH *Immediately Dangerous to Life or Health*

<b>Other Information</b>	Vacated limits revoked by the Court of Appeals decision in AFL-CIO v. OSHA, 965 F.2d 962 (11th Cir., 1992).
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**Appropriate Engineering Controls**

<b>Engineering Controls</b>	Showers Eyewash stations Ventilation systems.
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**Individual Protection Measures, Such as Personal Protective Equipment**

<b>Eye/Face Protection</b>	No special technical protective measures are necessary.
<b>Skin and Body Protection</b>	No special technical protective measures are necessary. Wear protective gloves and protective clothing.
<b>Respiratory Protection</b>	If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.

<b>General Hygiene Considerations</b>	Handle in accordance with good industrial hygiene and safety practice.
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**9. PHYSICAL AND CHEMICAL PROPERTIES****Information on Basic Physical and Chemical Properties**

<b>Physical State</b>	Liquid	<b>Color</b>	Yellow to Amber
<b>Odor</b>	Faint		
<b>Odor Threshold</b>	No information available		

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
<b>pH</b>	4 - 5	
<b>Melting Point/Freezing Point</b>	No information available	
<b>Boiling Point/Boiling Range</b>	No information available	
<b>Flash Point</b>	> 93 °C / > 200 °F	
<b>Evaporation Rate</b>	No information available	
<b>Flammability (solid, gas)</b>	No information available	
<b>Flammability Limit in Air</b>		
<b>Upper Flammability Limit:</b>	No information available	
<b>Lower Flammability Limit:</b>	No information available	
<b>Vapor Pressure</b>	No information available	
<b>Vapor Density</b>	No information available	
<b>Specific Gravity</b>	1.1	
<b>Water Solubility</b>	Soluble in water	
<b>Solubility in Other Solvents</b>	No information available	
<b>Partition Coefficient</b>	No information available	

<b>Autoignition Temperature</b>	No information available
<b>Decomposition Temperature</b>	No information available
<b>Kinematic Viscosity</b>	No information available
<b>Dynamic Viscosity</b>	No information available
<b>Explosive Properties</b>	No information available
<b>Oxidizing Properties</b>	No information available

**Other Information**

<b>Softening Point</b>	No information available
<b>Molecular Weight</b>	No information available
<b>VOC Content (%)</b>	No information available
<b>Density</b>	No information available
<b>Bulk Density</b>	No information available

## 10. STABILITY AND REACTIVITY

**Reactivity**

No data available.

**Chemical Stability**

Stable under recommended storage conditions.

**Possibility of Hazardous Reactions**

None under normal processing.

**Conditions to Avoid**

Extremes of temperature and direct sunlight.

**Incompatible Materials**

None known based on information supplied.

**Hazardous Decomposition Products**

None known based on information supplied.

## 11. TOXICOLOGICAL INFORMATION

**Information on Likely Routes of Exposure**

<b>Product Information</b>	Information given is based on available data of the components and the toxicology of similar products. The product has not been tested.
<b>Inhalation</b>	Inhalation of dusts/mists in high concentration may cause irritation of respiratory system.
<b>Eye Contact</b>	Contact with eyes may cause irritation.
<b>Skin Contact</b>	May cause slight irritation.
<b>Ingestion</b>	May cause slight irritation.

**Information on Toxicological Effects**

**Symptoms** No information available.

**Delayed and Immediate Effects as Well as Chronic Effects From Short and Long-term Exposure**

<b>Sensitization</b>	No information available.
<b>Germ Cell Mutagenicity</b>	Not known to cause heritable genetic damage.
<b>Carcinogenicity</b>	No information available.
<b>Reproductive Toxicity</b>	This product does not contain any known or suspected reproductive hazards.
<b>Teratogenicity</b>	Not known to cause birth defects or have a deleterious effect on a developing fetus.

**STOT - Single Exposure** No information available.  
**STOT - Repeated Exposure** No information available.  
**Aspiration Hazard** No information available.

**Numerical Measures of Toxicity - Product Information**

**ATEmix (oral)** > 5000 mg/kg  
**ATEmix (dermal)** > 5000 mg/kg  
**ATEmix (inhalation-dust/mist)** > 5 mg/l  
**ATEmix (inhalation-vapor)** > 20 mg/l

**12. ECOLOGICAL INFORMATION****Ecotoxicity**

35% of the mixture consists of component(s) of unknown hazards to the aquatic environment.

**Persistence and Degradability**

No information available.

**Bioaccumulation**

No information available.

**Other Adverse Effects**

No information available.

**13. DISPOSAL CONSIDERATIONS****Waste Treatment Methods****Disposal of Wastes**

Disposal should be in accordance with applicable regional, national and local laws and regulations.

**Contaminated Packaging**

Do not reuse container. Empty drums should be completely drained properly bunged and promptly returned to a drum reconditioner, or properly disposed.

**14. TRANSPORT INFORMATION****DOT**

Not regulated by U.S. DOT

**15. REGULATORY INFORMATION****International Inventories**

TSCA	Complies
DSL/NDSL	Complies
EINECS/ELINCS	Does not comply
ENCS	Does not comply
IECSC	Does not comply
KECL	Does not comply
PICCS	Does not comply
AICS	Does not comply

**Legend:**

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory  
 DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List  
 EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances  
 ENCS - Japan Existing and New Chemical Substances  
 IECSC - China Inventory of Existing Chemical Substances  
 KECL - Korean Existing and Evaluated Chemical Substances  
 PICCS - Philippines Inventory of Chemicals and Chemical Substances  
 AICS - Australian Inventory of Chemical Substances

**US Federal Regulations**

**SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

**SARA 311/312 Hazard Categories**

Acute Health Hazard	No
Chronic Health Hazard	No
Fire Hazard	No
Sudden Release of Pressure Hazard	No
Reactive Hazard	No

**CWA (Clean Water Act)**

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

**CERCLA**

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material.

**US State Regulations**

**California Proposition 65**

This product does not contain any Proposition 65 chemicals.

**U.S. State Right-to-Know Regulations**

Chemical Name	New Jersey	Massachusetts	Pennsylvania
Ammonia 7664-41-7	X	X	X

**U.S. EPA Label Information**

**16. OTHER INFORMATION, INCLUDING DATE OF PREPARATION OF THE LAST REVISION**

<b>NFPA</b>	Health Hazards 0	Flammability 0	Instability 0	Physical and Chemical Properties -
<b>HMIS</b>	Health Hazards 0	Flammability 0	Physical Hazards 0	Personal Protection X

Revision Date: 09-Apr-2015

**Revision Note:**

This SDS was updated to comply with the 2012 OSHA Hazard Communication Standard.

**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 guidance 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**