

Issue Date: 27-Oct-2014

Review Date: 15-Feb-2018

Version 1

## 1. IDENTIFICATION

**Product Identifier****Product Name** ASHBURN 3200 RI**Other means of identification****SDS #**Item # B-3200-05, B-3200-14  
B-3200-55**Recommended use of the chemical and restrictions on use****Recommended Use** Synthetic water miscible corrosion inhibitor**Details of the supplier of the safety data sheet****Supplier Address**Ashburn Chemical Technologies  
7403 Wright Rd  
Houston, TX 77041**Emergency Telephone Number****Company Phone Number**

832-399-1000

**Emergency Telephone (24 hr)**INFOTRAC 1-352-323-3500 (International)  
1-800-535-5053 (North America)

## 2. HAZARDS IDENTIFICATION

**Appearance** Clear**Physical State** Liquid**Odor** Mild**Classification**

This product is classified under 29CFR 1910.1200(d) and the Canadian Hazardous Products Regulation as follows:

Skin sensitization

Category 1

**Hazardous Not Otherwise Classified (HNOC) N/A****Signal Word****WARNING****Hazard Statements**

H317 May cause an allergic skin reaction

**Precautionary Statements**

P261 Avoid breathing dust/fume/gas/mist/vapors/spray  
P272 Contaminated work clothing should not be allowed out of the workplace  
P280 Wear protective gloves

**Precautionary Statements - Response**

P302+P352 IF ON SKIN: Wash with plenty of soap and water. Wash contaminated clothing before reuse  
P333+P313 If skin irritation or rash occurs: Get medical advice/attention  
P362+P364 Take off contaminated clothing and wash before reuse

**Precautionary Statements - Disposal**

P501 Dispose of contents/container to an approved waste disposal plant

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

Chemical Name	CAS No	Weight-%
Hexahydro-1,3,5-tris(2-hydroxyethyl)-S-triazine	4719-04-4	1-3

\*\*If Chemical Name/CAS No is "proprietary" and/or Weight-% is listed as a range, the specific chemical identity and/or percentage of composition has been withheld as a trade secret.\*\*

**4. FIRST-AID MEASURES****First Aid Measures**

<b>General Advice</b>	Provide this SDS to medical personnel for treatment.
<b>Eye Contact</b>	Flush with water for 15 minutes. If irritation persists, see physician.
<b>Skin Contact</b>	Wash contact areas with soap and water. If skin irritation persists, call a physician.
<b>Inhalation</b>	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Seek medical assistance.
<b>Ingestion</b>	Do not induce vomiting without medical advice. Seek medical attention/advice.

**Most important symptoms and effects**

<b>Symptoms</b>	The product contains a small amount of sensitizing substance which may provoke an allergic reaction among sensitive individuals in contact with skin.
<b>Notes to Physician</b>	Treat symptomatically.

**5. FIRE-FIGHTING MEASURES**

<b>Suitable Extinguishing Media</b>	Use water fog, foam, dry chemical or carbon dioxide (CO2) to extinguish flames.
<b>Unsuitable Extinguishing Media</b>	None-known.
<b>Specific Hazards Arising from the Chemical</b>	Not determined.
<b>Hazardous Combustion Products</b>	Not determined
<b>Protective equipment / Precautions for firefighters</b>	As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

**6. ACCIDENTAL RELEASE MEASURES**

<b>Personal Precautions</b>	Avoid contact with skin or eyes. Do not breathe dust/fume/gas/mist/vapors/spray. See SECTION 8 for Personal Protective Equipment.
<b>Environmental Precautions</b>	Prevent entry into drains, waterways, rivers, lakes, sewers, basements or confined areas. Prevent further leakage or spillage if safe to do so. If the product contaminates rivers and lakes or drains inform respective authorities.
<b>Methods for Clean-Up</b>	Absorb or cover with dry earth, sand or other non-combustible material. Sweep up absorbed material and shovel into suitable containers for disposal. Discard any product, residue, disposable container or liner in full compliance with federal, state, and local regulations. See SECTION 13 for Waste Disposal

## 7. HANDLING AND STORAGE

<b>Advice on Safe Handling</b>	Handle in accordance with good industrial hygiene and safety practice. Avoid breathing fumes, vapors, mists, spray. Wash face, hands, and any exposed skin thoroughly after handling. Contaminated work clothing should not be allowed out of the workplace See SECTION 8 for Personal Protection. See SECTION 2 for Precaution Statements.
<b>Storage Conditions</b>	Keep container tightly closed and store in a cool, dry and well-ventilated place. Do not store in open or unlabeled containers. Store away from heat and open flame. Storage temperature 5-40°C (41-104°F).
<b>Incompatible Materials</b>	None-known

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

<b>Exposure Guidelines</b>	This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.
<b>Engineering Controls</b>	Maintain eye wash fountain and quick-drench facilities in work area. Adequate ventilation
<b>Personal Protective Equipment</b>	Safety glasses with side shields are recommended. Wear gloves and protective clothing depending on condition of use Ensure adequate ventilation, especially in confined areas.
<b>General Hygiene Considerations</b>	Avoid contact with skin, eyes and clothing. After handling this product, wash hands before eating, drinking, or smoking. If contact occurs, remove contaminated clothing. See SECTION 4 for First-Aid Measure

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### Information on basic physical and chemical properties

<b>Physical State</b>	Liquid	<b>Odor</b>	Mild
<b>Appearance</b>	Clear	<b>Odor Threshold</b>	Not determined
<b>Color</b>	Amber		
<b>Property</b>	<b>Values</b>	<b>Remarks</b>	<b>• Method</b>
pH	8.0 – 9.0		
Melting Point/Freezing Point	Not determined		
Boiling Point/Boiling Range	100 °C / 212 °F		
Flash Point	Not flammable		
Evaporation Rate	< 1.0	(butyl acetate = 1)	
Flammability (Solid, Gas)	Not determined		

Upper Flammability Limits	Not determined	
Lower Flammability Limit	Not determined	
Vapor Pressure	> 1.0	@ 68°F (20 ° C)
Vapor Density	> 1.0	(Air=1)
Specific Gravity	1.05 – 1.07	(1=Water)
Water Solubility	Completely soluble	
Solubility in other solvents	Not determined	
Partition Coefficient	Not determined	
Auto-ignition Temperature	Not determined	
Decomposition Temperature	Not determined	
Kinematic Viscosity	Not determined	
Explosive Properties	Not determined	
VOC Content (%)	Not determined	

## 10. STABILITY AND REACTIVITY

Reactivity	Not reactive under normal conditions
Chemical Stability	Stable under recommended storage conditions.
Possibility of Hazardous Reactions	None under normal processing.
Conditions to Avoid	Incompatible Materials.
Incompatible Materials	Strong acids.
Hazardous Decomposition Products	Thermal decomposition and combustion are not expected to occur except under extreme conditions

## 11. TOXICOLOGICAL INFORMATION

### Information on likely routes of exposure

Eye Contact	May cause slight eye irritation.
Skin Contact	May cause slight irritate the skin after prolonged periods of contact.
Inhalation	Not expected to be an inhalation hazard under normal conditions of intended use.
Ingestion	Not a likely route of exposure under normal product handling conditions.

### Component Information

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Hexahydro-1,3,5-tris(2-hydroxyethyl)-S-triazine CAS# 4719-04-4	1009 -3950 mg/kg (Rat)	> 2000 mg/kg ( Rat )	0.37 mg/L (Rat) 4hr (Dust/Mist)

Legend: **ACGIH:** American Conference of Governmental Industrial Hygienists  
**OSHA:** Occupational Safety and Health Administration  
**NIOSH:** National Institute for Occupational Safety and Health

**LV:** Threshold Limit Value  
**PEL:** Permissible Exposure Limit  
**STEL:** Short Term Exposure Limit

### Information on toxicological effects

Symptoms	Please see SECTION 4 of this SDS for symptoms.
----------	--

<b>Carcinogenicity</b>	Carcinogenic potential is unknown.
<b>Skin sensitization</b>	The product contains a small amount of sensitizing substance which may provoke an allergic reaction among sensitive individuals in contact with skin.
<b>STOT- repeated/single exposure</b>	Not determined
<b>Aspiration Hazard</b>	Not determined
<b>Numerical measures of toxicity</b>	Not determined

## 12. ECOLOGICAL INFORMATION

**Ecotoxicity** An environmental hazard cannot be excluded in the event of unprofessional handling or disposal

### Component Information

Chemical Name	Algae/aquatic plants	Fish	Crustacea
Hexahydro-1,3,5-tris(2-hydroxyethyl)-S-triazine CAS# 4719-04-4		Acute LC50 10 – 100 mg/l 96 h	Acute EC50 10 – 100 mg/L 48 h

**Persistence/Degradability** Not determined.

**Bioaccumulation** Not determined.

**Mobility** Not determined

Chemical Name	Partition Coefficient
Hexahydro-1,3,5-tris(2-hydroxyethyl)-S-triazine CAS# 4719-04-4	-1,3

**Other Adverse Effects** Not determined

## 13. DISPOSAL CONSIDERATIONS

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

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

## 14. TRANSPORT INFORMATION

**Note** Please see current shipping paper for most up to date shipping information, including exemptions and special circumstances.

**DOT** Not regulated

**IATA** Not regulated

**IMDG** Not regulated

## 15. REGULATORY INFORMATION

**International Inventories** TSCA: Listed

Chemical Name	TSCA	DSL	NDSL	EINECS	ELINCS	ENCS	IECSC	PICCS	AICS
Hexahydro-1,3,5-tris(2-hydroxyethyl)-S-triazine	X	x		X		X	X	X	X

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****CERCLA**

This material does not contain a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 255)

**SARA 311/312 Hazardous Chemical** Acute Health hazard

**California Proposition 65**

This product does not contain any Proposition 65 chemicals.

**16. OTHER INFORMATION****NFPA****Health Hazards**

1

**Flammability**

0

**Instability**

0

**Special Hazards**

Not determined

**HMIS****Health Hazards**

1

**Flammability**

0

**Physical Hazards**

0

**Personal Protection**

Not determined

Issue Date:

27-Oct-2014

Review Date:

15-Feb-2018

Revision Note:

**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**