

Issue Date: 12-Jun-2015

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Version 2

## 1. IDENTIFICATION

**Product Identifier**

Product Name

ASHBURN COOLANT REJUVENATOR

**Other means of identification**ITEM# B-4152 B-4153  
B-4154 B-4155**Recommended use of the chemical and restrictions on use**

Recommended Use

Sump-side Additive Fluid

**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

Classification

Classified according to the US OSHA HazCom Standard 29 CFR 1910.1200 and Canada's Hazardous Products Regulations (HPR-WHMIS 2015)

Acute Toxicity (Oral)

Category 4

Skin Sensitization

Category 1

Eye irritation

Category 2A

Signal Word

**WARNING**

Hazard Statements

H302 Harmful if swallowed  
H319 Causes serious eye irritation.  
H317 May cause an allergic skin reaction

Symbol

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

**Precautionary Statements - Response**

P301+P312+P330 IF SWALLOWED: Call a Poison Center or physician if you feel unwell. Rinse mouth.  
 P302+P352 IF ON SKIN: Wash with plenty of soap and water.  
 P362+P364 Take off contaminated clothing and wash it before reuse.  
 P333+P313 IF skin irritation and rash occurs: Get medication.  
 P305+P351 IF IN EYES: Rinse cautiously with water for several minutes.  
 P338 Remove contact lenses, if present and easy to do. Continue rinsing  
 P337+P313 If eye irritation persists: Get medical advice/attention

**Precautionary – Disposal**

P501 Dispose of contents and container in accordance with local, state, and national regulations

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No	Weight-%
Hexahydro-1,3,5-tris(2-hydroxyethyl)-S-triazine	4719-04-4	60 - 80

\*\*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>	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a poison center or doctor/physician.
<b>Skin Contact</b>	Wash contact areas with soap and water. Remove contaminated clothing. Launder contaminated clothing before reuse. If skin irritation persists, call a physician.
<b>Inhalation</b>	Move to fresh air. If breathing is difficult, administer oxygen. If not breathing administer artificial respiration or at any sign of loss of consciousness seek immediate medical attention.
<b>Ingestion</b>	Do not induce vomiting without medical advice. Seek immediate medical attention/advice.

**Most important symptoms/effects**

<b>Potential Acute Health Effect</b>	Eye: Causes serious eye irritation. Skin: May cause an allergic skin reaction. Inhalation: No known significant effects or critical hazards Digestion: Harmful if swallowed. Irritating to mouth, throat and stomach.
<b>Over-exposure sign/symptom</b>	Adverse symptoms may include: Eyes: redness, tearing, blurred vision Skin: irritation, redness

**Indication of any immediate medical attention and special treatment needed**

<b>Notes to Physician</b>	Treat symptomatically.
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### 5. FIRE-FIGHTING MEASURES

<b>Suitable / Unsuitable</b>	Use water fog, foam, dry chemical, alcohol resistant foam or carbon dioxide (CO2)
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<b>Extinguishing Media</b>	DO NOT use straight streams of water
<b>Specific Hazards Arising from the Chemical</b>	Not determined
<b>Hazardous Thermal decomposition Products</b>	Oxides of carbon and nitrogen compounds. Excessive heat ( above 147°C / 297°F) will result in decomposition to formaldehyde
<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. See SECTION 12 for Ecological Information
<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>	Not determined.
<b>Appropriated Engineering Controls</b>	Use in well-ventilated area. Maintain eye wash fountain and quick-drench facilities in work area.
<b>Individual protection measures</b>	
<b>Eye/Face Protection</b>	Safety glasses with side shields are recommended.
<b>Skin and Body Protection</b>	Chemical resistant clothing and water resistant gloves is recommended.
<b>Respiratory Protection</b>	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 and launder before reuse.

## 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>	Colorless / pale yellow		

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
pH	10.5-11.0	
Melting Point/Freezing Point	Not determined	
Boiling Point/Boiling Range	110.5 °C / 231 °F	
Flash Point	Not applicable	
Evaporation Rate	< 1.0	(butyl acetate = 1)
Flammability (Solid, Gas)	Not determined	
Upper Flammability Limits	Not determined	
Lower Flammability Limit	Not determined	
Vapor Pressure	Not determined	@ 68°F (20 ° C)
Vapor Density	> 1	(Air=1)
Specific Gravity	1.14-1.16	(1=Water)
Partition Coefficient	-1.3	n-Octanol/Water (KoW)
Water Solubility	Soluble easily	
Auto-ignition Temperature	Not determined	
Decomposition Temperature	Not determined	
Kinematic Viscosity	Not determined	
Dynamic Viscosity	Not determined	
Explosive Properties	Not determined	
Oxidizing Properties	Not determined	
VOC Content (%)	Not determined	

## 10. STABILITY AND REACTIVITY

<b>Reactivity</b>	Not reactive under normal conditions.
<b>Chemical Stability</b>	Stable under recommended storage conditions.
<b>Possibility of Hazardous Reactions</b>	None under normal processing.
<b>Conditions to Avoid</b>	No specific data.
<b>Incompatible Materials</b>	No specific data
<b>Hazardous Decomposition Products</b>	Thermal decomposition and combustion are not expected to occur except under extreme conditions.

## 11. TOXICOLOGICAL INFORMATION

### Information on likely routes of exposure/ Potential Acute Health Effects

<b>Eye Contact</b>	Causes serious eye irritation.
<b>Skin Contact</b>	May cause an allergic skin reaction.
<b>Inhalation</b>	Exposure to decomposition products may cause a health hazard
<b>Ingestion</b>	May be harmful if swallowed. May cause gastrointestinal irritation or diarrhea.
<b>Component Information</b>	

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)

**Information on Toxicological Effects**

Short term Exposure	No information available
Long term exposure	No information available
Skin sensitization	Once sensitized, a severe allergic reaction may occur when subsequently exposed to very low level
Carcinogenicity	Not determined
Reproductive Toxicity	Not determined
Specific Target Organ Toxicity	Not determined
Aspiration Hazard	Not determined
Numerical measures of toxicity	Not determined

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

Chemical Name	Algae/aquatic plants	Fish	Toxicity to microorganisms	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.

**Biodegradability** Readily

**Mobility**

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** Dispose of in accordance with federal, state, and local regulations. Do not dump in sewers. Wrap container and place in trash collection, do not puncture, incinerate, or reuse container

**Contaminated Packaging** Product should be fully characterized prior to disposal (40 CFR 261).

**14. TRANSPORT INFORMATION**

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

DOT Classification	TDG Classification	Mexico Classification	IMDG	IATA
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated

## 15. REGULATORY INFORMATION

### International Inventories

All component(s) are either listed or in compliance with on the following inventories

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

### 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 Regulations

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

**SARA 304 RQ** Not applicable

**California Prop 65** This product does not contains any Prop 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

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 Revision Note: Updated all sections

### 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