Safety Data Sheet

Issue Date: 08-Mar-2019 **Revision Date:** **Version 1**

1. IDENTIFICATION

Product Identifier

Product Name **Coolant Conditioner SS**

Other means of identification

SDS #

Item # B-4164-16
B-4164-14
B-4164-05
B-4164-55

Recommended use of the chemical and restrictions on use

Recommended Use

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

Serious eye damage	Category 1
Skin irritation	Category 2
Acute toxicity - inhalation	Category 4
Single target organ toxicity – repeated exposure	Category 2
Single target organ toxicity – single exposure	Category 3

Signal Word **Danger**

Hazard Symbol

Hazard Statements

H318: Causes serious eye damage
H315: Causes skin irritation
H332: Harmful if inhaled
H373: May cause damage to organs through prolonged or repeated exposure
H335: May cause respiratory irritation

Precautionary Statements - Prevention

P260: Do not breathe dust/fumes/gas/mist/vapours/spray.
P362: Take off contaminated clothing and wash before reuse.
P264: Wash hands and face 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.

Precautionary Statements - Response

P305+P310: IF IN EYES: Immediately call a POISON CENTER or doctor/physician.
P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing
P303+P352: IF ON SKIN: Wash with plenty of soap and water.
P332 + P313: If skin irritation occurs: Get medical advice/ attention.
P304+P340: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P304+P312: IF INHALED: Call a Poison Center or doctor/physician if you feel unwell.

Precautionary Statements - Storage

P403+P405: Store in a dry place. Store locked up.
P404+P233: Store in a well-ventilated place. Keep container tightly closed.

Precautionary Statements - Disposal

P501: Dispose of contents/container to an approved waste disposal plant in accordance with local/regional/national/international regulations.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No	Weight-%
Dipropylene glycol	25265-71-8	> 80
3-iodo-2-propynyl butylcarbamate	55406-53-6	5 - 10

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

General Advice Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (provide this SDS to medical personnel for treatment)

Eye Contact Immediately seek medical attention. Call a poison center or physician. Flush immediately with copious amounts of water for 15 minutes. Remove contact lenses, if present and easy to do. Chemical burns must be treated promptly by a physician.

Skin Contact Remove/take off immediately all contaminated clothing. Rinse skin with water/shower for at least 15 minutes. If skin irritation or rash occurs: Get medical advice/attention. Clean clothing and shoes thoroughly before reuse.

Inhalation Remove victim to fresh air and keep at rest in a position comfortable for breathing. Seek medical attention for further treatment.

Ingestion Rinse mouth with water. If the victim is conscious, give small quantities of water to drink. Never give anything by mouth to an unconscious person. Seek medical advice.

Most important symptoms and effects

EYES:	Pain, watering, and redness
SKIN:	Irritation, redness, and blistering may occur
INGESTION:	Stomach pains
INHALATION:	Respiratory tract irritation, coughing

Indication of any immediate medical attention and special treatment needed

Notes to Physician	Provide general supportive measures and treat symptomatically. Keep victim under observation. Symptoms may be delayed.

5. FIRE-FIGHTING MEASURES

Extinguishing Media

Suitable extinguishing media	Use water fog, foam, dry chemical or carbon dioxide (CO2) to extinguish flames.
Unsuitable Extinguishing Media	Do not use a heavy water stream.

Special Hazards Arising from the Chemical

Fire hazard	Not flammable
Explosion hazard	Heat may build pressure, rupturing closed containers, spreading fire and increasing risk of burns and injuries.
Reactivity hazard	Thermal decomposition may generate: carbon dioxide carbon monoxide nitrogen oxides

Protective equipment and precautions for firefighters

Firefighting Instructions	Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent firefighting water from entering drains or water courses.
Protection during firefighting	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	Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Wear appropriate protective equipment and clothing during clean-up. Do not breathe mist or vapor. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ensure adequate ventilation. Local authorities should be advised if significant spillages cannot be contained. See SECTION 8 for Personal Protective Equipment.
Environmental Precautions	Avoid release to the environment. Inform appropriate managerial or supervisory personnel of all environmental releases. Prevent further leakage or spillage if safe to do so. Avoid discharge into drains, water courses or onto the ground.

Methods and material for containment and cleaning up

Methods for Containment Absorb or cover with inert absorbent material (i.e. dry earth, sand or other non-combustible material.

Methods for Clean-Up Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Absorb in vermiculite, dry sand or earth and place into containers. Following product recovery, flush area with water.

Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.

Never return spills to original containers for re-use. For waste disposal, see section 13 of the SDS.

7. HANDLING AND STORAGE

Precautions for safe handling

Advice on Safe Handling Handle in accordance with good industrial hygiene and safety practice. Wear protective gloves/protective clothing/eye protection/face protection. Wash hands and face thoroughly after handling. Do not eat, drink, or smoke when using this product. Avoid breathing dust/fumes/gas/mist/vapours/spray. Do not get in eyes, on skin, or on clothing.
Use only outdoors or in a well-ventilated area. Take off contaminated clothing and wash before reuse.

Conditions for safe storage, including any incompatibilities

Storage Conditions 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.

Incompatible Materials Strong acids. Strong bases. Metals. Oxidizing agents. Reducing agents. Metal salts.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines Contains no chemicals with occupational exposure limit values.

Appropriate engineering controls

Engineering Controls Provide exhaust ventilation or adequate ventilation is required to keep airborne concentrations of vapors below their respective threshold limit value (TLV).
Maintain eye wash fountain and quick-drench facilities in work area.

Individual protection measures, such as personal protective equipment

Eye/Face Protection If contact is possible, the following should be worn unless the assessment indicates a higher degree of protection: Tightly fitting safety goggles or face shield.

Skin and Body Protection If prolonged or repeated contact is likely, chemical, and oil resistant clothing is recommended. Wear suitable gloves resistant to chemical penetration.

Respiratory Protection No personal respiratory protective equipment normally required. In the case of vapor formation use a respirator with an approved filter.

General Hygiene Considerations Avoid contact with skin, eyes and clothing. After handling this product, wash hands, forearms and face before eating, drinking, or 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.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical State	Liquid		
Appearance	Clear	**Odor**	Mild
Color	Yellow	**Odor Threshold**	Not determined

Property	**Values**	**Remarks • Method**
pH	8.4 – 8.8	
Melting Point/Freezing Point	Not determined	
Boiling Point/Boiling Range	Not determined	
Flash Point	> 120°C	
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	310 – 337°C	
Decomposition Temperature	Not determined	
Kinematic Viscosity	Not determined	
Dynamic Viscosity	Not determined	
Explosive Properties	None	
Oxidizing Properties	Non oxidizing	

10. STABILITY AND REACTIVITY

Reactivity Not reactive under normal conditions.

Chemical Stability Stable under normal conditions.

Possibility of Hazardous Reactions Under normal conditions of storage and use, hazardous reactions will not occur.

Conditions to Avoid Heat, flames, and sparks.

Incompatible Materials Acids. Bases. Metals. Oxidizing agents. Reducing agents. Metal salts.

Hazardous Decomposition Products Carbon monoxide, carbon dioxide and unburned hydrocarbons (smoke).

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Product Information

Eye Contact Causes serious eye damage.

Skin Contact May cause skin irritation and/or dermatitis.

Inhalation Harmful if inhaled. May cause respiratory irritation.

Ingestion May be harmful if swallowed and enters airway.

Component Information

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Dipropylene glycol	(rat, male and female): > 5,000 mg/kg Method: Standard Acute	(rabbit, male and female): > 5,010 mg/kg Method: Standard Acute	(rat, male and female): > 2.34 mg/l Exposure time: 4 h Test atmosphere: dust/mist Method: Standard Acute

Information on physical, chemical and toxicological effects

Symptoms See section 4 of this SDS for symptoms.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Carcinogenicity No known significant effects or critical hazards.

Mutagenicity No known significant effects or critical hazards.

Developmental effects No known significant effects or critical hazards.

Fertility effects No known significant effects or critical hazards.

Legend

IARC (International Agency for Research on Cancer)
Group 3 IARC components are "not classifiable as human carcinogens"

Numerical measures of toxicity 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	Toxicity to microorganisms	Crustacea
Dipropylene glycol	EC50 (Desmodesmus subspicatus): > 100 mg/l End point: Biomass Exposure time: 72 h	LC50 (Oryzias latipes (Japanese medaka)): > 100 mg/l Exposure time: 96 h Test Type: semi-static test Method: OECD Test Guideline 203	EC 50 (Bacteria): > 5,000 mg/l End point: Growth rate Exposure time: 16 h	EC50 (Daphnia magna (Water flea)): > 100 mg/l Exposure time: 48 h Test Type: static test
3-iodo-2-propynyl butylcarbamate	Acute EC50 0.022 mg/l Scenedesmus subspicatus Exposure time: 72 h Acute NOEC 0.0046 mg/l Scenedesmus subspicatus Exposure time: 72 h	NOEC 0.0084 mg/l Pimephales promelas – larvae Exposure time: 35 d NOEC 0.049 mg/l rainbow trout Exposure time: 96 h LC50 0.067 rainbow trout Exposure time: 96 h	EC50 44 mg/l (Bacteria) Exposure time: 3 h	EC50 (Daphnia magna (Water flea)): 0.05 mg/l Exposure time: 21 days

Persistence/Degradability Not determined.

Bioaccumulation Bioaccumulation is unlikely.

Mobility Not expected to adsorb on soil.

Other Adverse Effects No known significant effects or critical hazards

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 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

Chemical Name	TSCA	DSL	NDSL	EINECS	ELINCS	ENCS	IECSC	KECL	PICCS	AICS
Dipropylene glycol	X	X	X	-	-	X	X	X	X	X
3-iodo-2-propynyl butylcarbamate	X	X	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 Federal Regulations

TSCA 8(b) inventory:
All components are listed or exempted.

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).

SARA 311/312 Hazard Categories
Immediate (acute) health hazard

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA).

	Product name	CAS number	%
Form R-Reporting Requirements	3-iodo-2-propynyl butylcarbamate	55406-53-6	5-10
Supplier notification	3-iodo-2-propynyl butylcarbamate	55406-53-6	5-10

SARA 313 notifications must not be detached from the SDS and any copying and redistribution of the SDS shall include copying and redistribution of the notice attached to copies of the SDS subsequently redistributed.

US State Regulations

California Proposition 65

This product does NOT contain any chemicals known to the state of California to cause cancer or reproductive harm.

U.S. State Right-to-Know Regulations

Chemical Name	New Jersey	Massachusetts	Pennsylvania
Dipropylene glycol	X		X
3-iodo-2-propynyl butylcarbamate	X		

16. OTHER INFORMATION

NFPA	**Health Hazards**	**Flammability**	**Instability**	**Special Hazards**
	2	0	0	
HMIS	**Health Hazards**	**Flammability**	**Physical Hazards**	**Personal Protection**
	2	0	0	C

Issue Date: 08-Mar-2019
Revision Date:
Revision Note: Creation date for SDS. DEL

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