Safety Data Sheet

Issue Date: 06-Oct-2016 **Review Date:** 03-Mar-2021 **Version**

1. IDENTIFICATION

Product Identifier

Product Name **APEX 6570 SYNTHETIC COOLANT**

Other means of identification

SDS #

Item# A-6570-05 , A-6571-05
A-6570-14 A-6571-14
A-6570-55 A-6571-55, A-6570-275, A-6571-275

Recommended use of the chemical and restrictions on use

Recommended Use Metalworking 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

Appearance Transparent Blue **Physical State** Liquid **Odor** Mild petroleum

Classification

Reproductive Toxicity	Category 2

Signal Word **WARNING**

Hazard Statements

Suspected of damaging fertility or the unborn child

Precautionary Statements - Prevention

Do not handle until all safety precautions have been read and understood.

Precautionary Statements – Response

If exposed or concerned: Get medical advice/attention

Precautionary Statements - Storage

Store locked up

Precautionary Statements - Disposal

Dispose of contents/container to an approved waste disposal plant

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No	Weight-%
Boric Acid	10043-35-3	< 2.0

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 Provide this SDS to medical personnel for treatment.

Eye Contact Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a physician.

Skin Contact Wash contact areas with soap and water. Remove contaminated clothing and lauder before reuse. If skin irritation occurs: Get medical advice/attention.

Inhalation If symptoms such as nose or throat irritation are observed, remove to fresh air.

Ingestion Do not induce vomiting without medical advice. Seek immediate medical attention/advice.

Most important symptoms and effects

Symptoms Eye contact may cause eye irritation, redness, tearing, blurred vision
Prolonged skin contact may cause redness and irritation
Maybe harmful if inhaled.
Swallowing may cause abdominal irritation, nausea, vomiting and diarrhea.
See SECTION 11 for delayed and chronic effects.

Indication of any immediate medical attention and special treatment needed

Notes to Physician Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Suitable / unsuitable Extinguishing Media Use water fog, foam, dry chemical or carbon dioxide (CO2) to extinguish flames.
DO NOT use stream of water (could cause fire to spread).

Hazardous Combustion Products Carbon oxides and other oxides may be generated as products of combustion.

Specific Hazards Arising from the Chemical Not determined

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 Avoid contact with skin or eyes.
Avoid breathing dust/fume/gas/mist/vapors/spray
See SECTION 8 for Personal Protective Equipment

Environmental Precautions
Prevent entry into waterways, rivers, lakes, drains, surface water, or ground water.
Prevent further leakage or spillage if safe to do so.
See SECTION 12 for Ecological Information

Methods for Clean-Up
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

Advice on Safe Handling
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.

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. Storage temperature 5-40°C (41-104°F)

Incompatible Materials
Oxidizing agents. Strong alkalis. Strong acids.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines

Chemical Name	ACGIH TWA	OSHA PEL	NIOSH STEL
Boric Acid 10043-35-3	2 mg/m^3 8 h (inhalable fraction)	15 mg/m^3 (Total Dust). 5 mg/m^3 (Respirable Dust).	-

Legend: ***ACGIH**: American Conference of Governmental Industrial Hygienists* ***TLV:** Threshold Limit Value*
***OSHA**: Occupational Safety and Health Administration* ***PEL:** Permissible Exposure Limit*
***NIOSH**: National Institute for Occupational Safety and Health* ***STEL**: Short Term Exposure Limit*

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
Safety glasses with side shields.

Skin and Body Protection
Chemical or oil resistant clothing is recommended.

Respiratory Protection
Ensure adequate ventilation, especially in confined areas.
In case of inadequate ventilation wear respiratory protection

General Hygiene Considerations
Avoid contact with skin, eyes and clothing.
After handling this product, wash hands before eating, drinking, or smoking.
Remove contaminated clothing and lauder before reuse

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical State	Liquid		
Appearance	Transparent	**Odor**	Mild Petroleum Odor
Color	Blue or Amber(undyed)	**Odor Threshold**	Not determined

Property	**Values**	**Remarks • Method**
pH	8.0-8.5	
Melting Point/Freezing Point	N/A	
Boiling Point/Boiling Range	> 224 °C / > 435 °F	
Flash Point	Not determined	Cleveland Open Cup ASTM D 92
Evaporation Rate	Not determined	
Flammability	Not determined	
Upper Flammability Limits	Not determined	
Lower Flammability Limit	Not determined	
Vapor Pressure	Not determined	
Vapor Density	Not determined	(Air=1)
Specific Gravity	1.04-1.06	
Water Solubility	Soluble	
Solubility in other solvents	Not determined	
Dynamic Viscosity	N/A	@ 38°C (100°F)
Partition Coefficient	Not determined	
Auto-ignition Temperature	> 315 °C / > 600°F	

10. STABILITY AND REACTIVITY

Reactivity Not reactive under normal conditions.

Chemical Stability Stable under recommended storage conditions.

Possibility of Hazardous Reactions Stable under recommended storage conditions.

Conditions to Avoid Incompatible Materials.

Incompatible Materials Oxidizing agents. Strong alkalis. 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 eye irritation on eye contact.

Skin Contact Prolonged contact may defat and dry skin. May cause redness, irritation.

Inhalation Maybe harmful if inhaled.

Ingestion May be harmful is swallowed.

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

Acute Effects Low acute toxicity.

Chronic Effects Prolonged inhalation may be harmful.

Information on physical, chemical and toxicological effects

Component Information

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50

Boric Acid 10043-35-3	2,000 - 5,000 mg/kg (Rat) OECD Guideline 401	> 2000 mg/kg (Rabbit) EPA FIFRA Guideline	= 2.18 mg/L (Rat) 4 h OECD Guideline 403

Aspiration hazard May be fatal if swallowed and enters airways.

Carcinogenicity The classification as a carcinogen need not apply if it can be shown that the substance contains less than 3 % DMSO extract as measured by IP 346.

STOT- repeated/single exposure No data available.

Gem Cell Mutagenicity No data available.

Reproductive Toxicity No data available.

Other information None-known.

12. ECOLOGICAL INFORMATION

Ecotoxicity Not expect to be harmful to aquatic organism

Component Information

Chemical Name	Fish	Crustacea
Boric Acid 10043-35-3	LC50 - Ptychocheilus lucius - 279 mg/l - 96 h LC0 - Lepomis macrochirus (Bluegill) - > 1,021 mg/l - 96 h	LC50 - Daphnia magna (Water flea) - 53.2 mg/l - 21 d EC50 - Daphnia magna (Water flea) - 133 mg/l - 48 h

Persistence/Degradability No data available

Bioaccumulation No data available

Mobility No data available

Other Adverse Effects No data available

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.

ATA Not regulated

IMDG Not regulated

15. REGULATORY INFORMATION

International Inventories Not determined

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

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 Boric Acid CAS# 10043-35-3
Acute Health Hazard

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

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)

U.S. State Right-to-Know Regulations

Chemical Name	New Jersey	Massachusetts	Pennsylvania
Boric Acid 10043-35-3	X		X

California Prop 65 This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

16. OTHER INFORMATION

NFPA	**Health Hazards**	**Flammability**	**Instability**	**Special Hazards**
	1	0	0	Not determined
HMIS	**Health Hazards**	**Flammability**	**Physical Hazards**	**Personal Protection**
	1	0	0	Not determined

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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