Safety Data Sheet

Issue Date: 20-May-2015 **Revision Date:** 18-Oct-2016 **Version** 1.1

1. IDENTIFICATION

Product Identifier

Product Name **ASHBURN MIST SYNTHETIC FLUID**

Other means of identification

SDS #

Item# A-6090-14
A-6091-05
A-6092-55

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

Classification

Serious eye damage /eye irritation	Category 2A
Skin corrosion/irritation	Category 2
Acute toxicity (oral, dermal, inhalation)	Category 5

Signal Word **WARNING**

Hazard Statements

Cause serious eye irritation
Cause skin irritation.
May be harmful if swallowed.
May be harmful in contact with skin.
May be harmful if inhaled.

Precautionary Statements - Prevention

Do not eat, drink, or smoke when using this product.
Wash face, hands and any exposed skin thoroughly after handling.
Wear protective gloves/protective clothing/eye protection/face protection.

Precautionary Statements - Response

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
IF ON SKIN Wash with plenty of soap and water. Take off contaminated clothing and wash before reuse. If skin irritation occurs: Get medical advice/attention.
IF SWALLOWED: Call a Poison Center or doctor/physician if you feel unwell.
IF INHALED: Call a Poison Center or doctor/physician if you feel unwell.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No	Weight-%
Boric Acid, 2-aminoethanol salt	68425-67-2	<3
Triethanolamine	102-71-6	1-3
Monoethanolamine	141-43-5	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

General Advice Provide this SDS to medical personnel for treatment.

Eye Contact Flush with large amounts of water for 15 minutes. Lift the upper and lower eyelid to ensure complete flushing of the eye(s). Remove contact lens, if worn. If eye irritation persists: Get medical advice/attention.

Skin Contact Wash contact areas with soap and water. Remove contaminated clothing. Launder contaminated clothing before reuse. If skin irritation persists, call a physician.

Inhalation Remove source of exposure or move person to fresh air and keep comfortable for breathing. Get medical advice/attention if you feel unwell or are concerned.

Ingestion Rinse mouth. Do not induce vomiting. Seek 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 high volume jet or straight streams of water.

Specific Hazards Arising from the Chemical No specific fire or explosion hazard

Hazardous Combustion Products Carbon oxides and nitrogen compounds.

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.
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.
If the product contaminates rivers and lakes or drains inform respective authorities.
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.
Wash face, hands, and any exposed skin thoroughly after handling.
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 > 40 °F.

Incompatible Materials Strong acids.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Triethanolamine 102-71-6	TWA: 5 mg/m^3	-	-
Monoethanolamine 141-43-5	STEL: 6 ppm TWA: 3 ppm	TWA: 3 ppm TWA: 6 mg/m^3 (vacated) TWA: 3 ppm (vacated) TWA: 8 mg/m^3 (vacated) STEL: 6 ppm (vacated) STEL: 15 mg/m^3	IDLH: 30 ppm TWA: 3 ppm TWA: 8 mg/m^3 STEL: 6 ppm STEL: 15 mg/m^3

Appropriate engineering controls 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 are recommended.

Skin and Body Protection Wear suitable protective clothing and chemical resistant gloves.

Respiratory Protection Ensure adequate ventilation, especially in confined areas.

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	Clear	**Odor**	Mild
Color	Blue	**Odor Threshold**	Not determined

Property	**Values**	**Remarks • Method**
pH	9.6-10.0	
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	1.02-1.03	(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	
Dynamic Viscosity	Not determined	
Explosive Properties	Not determined	
Oxidizing 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 Acid

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.

Skin Contact May cause skin irritation.

Inhalation May cause irritation to the respiratory system.

Ingestion May cause gastrointestinal irritation or diarrhea.

Component Information

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Triethanolamine 102-71-6	= 4190 mg/kg (Rat)	> 2000 mg/kg (Rabbit) > 16 mL/kg (Rat)	-
Monoethanolamine 141-43-5	= 1720 mg/kg (Rat)	= 1 mL/kg (Rabbit) = 1025 mg/kg (Rabbit)	-

Information on physical, chemical and toxicological effects

Symptoms Please see section 4 of this SDS for symptoms.

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

Carcinogenicity The table below indicates whether each agency has listed any ingredient as a carcinogen. However, the product as a whole has not been tested.

Chemical Name	ACGIH	IARC	NTP	OSHA
Triethanolamine 102-71-6		Group 3		

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 Harmful to aquatic life with long lasting effects.

Component Information

Chemical Name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea
Triethanolamine 102-71-6	216: 72 h Desmodesmus subspicatus mg/L EC50 169: 96 h Desmodesmus subspicatus mg/L EC50	10600 - 13000: 96 h Pimephales promelas mg/L LC50 flow-through 1000: 96 h Pimephales promelas mg/L LC50 static 450 - 1000: 96 h Lepomis macrochirus mg/L LC50 static		1386: 24 h Daphnia magna mg/L EC50
Monoethanolamine 141-43-5	15: 72 h Desmodesmus subspicatus mg/L EC50	227: 96 h Pimephales promelas mg/L LC50 flow-through 3684: 96 h Brachydanio rerio mg/L LC50 static 300 - 1000: 96 h Lepomis macrochirus mg/L LC50 static 114 - 196: 96 h Oncorhynchus mykiss mg/L LC50 static 200: 96 h Oncorhynchus mykiss mg/L LC50 flow-through		65: 48 h Daphnia magna mg/L EC50

Persistence/Degradability Not determined.

Bioaccumulation Not determined

Mobility Not determined

Chemical Name	Partition Coefficient
Triethanolamine 102-71-6	-2.53
Monoethanolamine 141-43-5	-1.91

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

Chemical Name	TSCA	DSL	NDSL	EINECS	ELINCS	ENCS	IECSC	KECL	PICCS	AICS
Triethanolamine	Present	X		Present		Present	X	Present	X	X
Monoethanolamine	Present	X		Present		Present	X	Present	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

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 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

US State Regulations

California Proposition 65: This product does not contains any Prop 65 Chemicals

U.S. State Right-to-Know Regulations

Chemical Name	New Jersey	Massachusetts	Pennsylvania
Triethanolamine 102-71-6	X	X	X
Monoethanolamine 141-43-5	X	X	X

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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Revision Note: Updated SECTION 2 and 3

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