# SAFETY DATA SHEET



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## **Section 1. Identification**

GHS product identifier : Mist Coolant

Product code : MC640-53S, MC128-53S

SDS # : SDS-MC
Other means of : Not available.
identification

Product type : Liquid.

Relevant identified uses of the substance or mixture and uses advised against

Identified uses : Metalworking Fluid

Supplier/Manufacturer : Ô[ ạ̄@ •^ÁÚ} ^ { ææð•
FJÆs̄ā à^¦ Road
East Brunswick, NJ 00816

Phone: 732-390-8480

# Section 2. Hazards identification

Classification of the substance or mixture GHS label elements : SKIN CORROSION/IRRITATION - Category 2 SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 2

Hazard pictograms



Signal word : Warning

**Hazard statements** : Causes serious eye irritation.

Causes skin irritation.

**Precautionary statements** 

Prevention: Wear eye/face protection. Wear protective gloves. Wash hands thoroughly after

handling.

Response : IF ON SKIN: Wash with plenty of soap and water. Take off contaminated clothing.

Wash contaminated clothing before reuse. If skin irritation occurs: Get medical attention. 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 attention.

Storage : Not applicable.

Disposal : Not applicable.

Hazards not otherwise : None known.

classified

# Section 3. Composition/information on ingredients

Ingredient name	%	CAS number
2,2',2"-nitrilotriethanol	5 - 10	102-71-6
octanoic acid, compound with 2-aminoethanol (1:1)	1 - 5	28098-03-5
Fatty acids, C6-12, compds. with triethanolamine	1 - 5	68188-87-4
Carboxylic acids, di-, C6-12, compds. with ethanolamine (1:2)	1 - 5	68937-73-5
2-aminoethanol	1 - 5	141-43-5
2,2',2"-(hexahydro-1,3,5-triazine-1,3,5-triyl)triethanol	1 - 5	4719-04-4
disodium tetraborate, anhydrous	1 - 5	1330-43-4

## Section 3. Composition/information on ingredients

Any concentration shown as a range is to protect confidentiality or is due to batch variation.

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

Occupational exposure limits, if available, are listed in Section 8.

# Section 4. First aid measures

### **Description of necessary first aid measures**

: Immediately flush eyes with plenty of water, occasionally lifting the upper and lower Eye contact

eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10

minutes. Get medical attention.

Inhalation Remove victim to fresh air and keep at rest in a position comfortable for breathing. If not

breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention if adverse health effects persist or are severe. If unconscious, place in recovery position and get medical

attention immediately. Maintain an open airway. Loosen tight clothing such as a collar,

tie, belt or waistband. In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical

surveillance for 48 hours.

Skin contact Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes.

Continue to rinse for at least 10 minutes. Get medical attention. Wash clothing before

reuse. Clean shoes thoroughly before reuse.

Ingestion : Wash out mouth with water. Remove dentures if any. Remove victim to fresh air and

keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention if adverse health effects persist or are severe. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately.

Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

### Most important symptoms/effects, acute and delayed

### Potential acute health effects

**Eye contact** Causes serious eye irritation.

Inhalation : Exposure to decomposition products may cause a health hazard. Serious effects may be

delayed following exposure.

Skin contact : Causes skin irritation.

Ingestion : Irritating to mouth, throat and stomach.

### Over-exposure signs/symptoms

: Adverse symptoms may include the following: Eye contact

pain or irritation watering redness

Inhalation : No specific data.

Skin contact : Adverse symptoms may include the following:

> irritation redness

Ingestion : No specific data.

### Indication of immediate medical attention and special treatment needed, if necessary

: In case of inhalation of decomposition products in a fire, symptoms may be delayed. The Notes to physician

exposed person may need to be kept under medical surveillance for 48 hours.

Specific treatments : No specific treatment.

See toxicological information (Section 11)

Date of issue/Date of revision : 2023-10-16 Date of previous issue :2017-06-23 Version 2/8

## Section 5. Fire-fighting measures

### **Extinguishing media**

Suitable extinguishing media

: Use an extinguishing agent suitable for the surrounding fire.

Unsuitable extinguishing media

: None known.

Specific hazards arising from the chemical

: In a fire or if heated, a pressure increase will occur and the container may burst.

Hazardous thermal decomposition products

: Decomposition products may include the following materials:

carbon dioxide carbon monoxide nitrogen oxides metal oxide/oxides

Special protective equipment for fire-fighters

: Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

## Section 6. Accidental release measures

**Personal precautions** 

: No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.

**Environmental precautions** 

: Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

Methods for cleaning up Small spill

: Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.

Large spill

Stop leak if without risk. Move containers from spill area. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see Section 13). Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.

# Section 7. Handling and storage

Handling

: Put on appropriate personal protective equipment (see Section 8). Do not ingest. Avoid contact with eyes, skin and clothing. Avoid breathing vapor or mist. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.

**Storage** 

: Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

## Section 8. Exposure controls/personal protection

### **Control parameters**

## Occupational exposure limits

Ingredient name	CAS#	ACGIH	OSHA	Mexico
2,2',2"-nitrilotriethanol 2-aminoethanol	102-71-6 141-43-5	TWA: 5 mg/m³ 8 hours. TWA: 3 ppm 8 hours. TWA: 7.5 mg/m³ 8 hours. STEL: 6 ppm 15 minutes. STEL: 15 mg/m³ 15 minutes.	TWA: 3 ppm 8 hours. TWA: 6 mg/m³ 8 hours.	LMPE-PPT: 3 ppm 8 hours. LMPE-PPT: 8 mg/m³ 8 hours. LMPE-CT: 15 mg/m³ 15 minutes. LMPE-CT: 6 ppm 15 minutes.
disodium tetraborate, anhydrous	1330-43-4	TWA: 2 mg/m³ 8 hours. Form: Inhalable fraction STEL: 6 mg/m³ 15 minutes. Form: Inhalable fraction		LMPE-PPT: 1 mg/m³ 8 hours.

### **Engineering measures**

: Good general ventilation should be sufficient to control worker exposure to airborne contaminants.

## **Hygiene measures**

: Wash hands, forearms and face thoroughly after handling chemical products, before eating, 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. Ensure that eyewash stations and safety showers are close to the workstation location.

## Personal protection

Respiratory

: If a risk assessment indicates this is necessary, use a properly fitted, air-purifying or airfed respirator complying with an approved standard. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.

**Hands** 

: Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary.

**Eyes** 

: Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. Recommended: splash goggles

Skin

: Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

**Environmental exposure** controls

: Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

Personal protective equipment (Pictograms)



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## Section 9. Physical and chemical properties

**Appearance** 

Physical state : Liquid.
Color : Clear Blue
Odor : Mild.

Odor threshold : Not available.

**pH** : 9.6

Melting point: Not available.Boiling point: Not available.

Flash point : Closed cup: Not applicable.

Burning time : Not applicable.

Burning rate : Not applicable.

Evaporation rate : Not available.

Flammability (solid, gas) : Not available.

Lower and upper explosive : Not available.

(flammable) limits

Vapor pressure: Not available.Vapor density: Not available.

Relative density : 1.032

**Solubility** : Easily soluble in the following materials: cold water and hot water.

Solubility in water : Not available.

Partition coefficient: n- : Not available.

octanol/water

Auto-ignition temperature : Not available.

Decomposition temperature : Not available.

Viscosity : Kinematic (40°C (104°F)): <0.43 cm²/s (<43 cSt)

**Elemental Phosphorus** : Not available.

VOC content : 0 % [EPA Method 24]

# Section 10. Stability and reactivity

**Reactivity**: No specific test data related to reactivity available for this product or its ingredients.

**Chemical stability**: The product is stable.

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

reactions

Conditions to avoid : No specific data.

**Incompatible materials** : Slightly reactive or incompatible with the following materials: oxidizing materials and reducing materials.

Hazardous decomposition : Under normal conditions of storage and use, hazardous decomposition products should

products

Storage

: Order normal conditions of storage and use, nazardous decomposition products should not be produced.

: Store in accordance with local regulations. Store in original container protected from

: Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

Date of issue/Date of revision : 2023-10-16 Date of previous issue : 2017-06-23 Version : 2 5/8

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# **Section 11. Toxicological information**

### Information on toxicological effects

### **Carcinogenicity**

## **Classification**

Product/ingredient name	ACGIH	IARC	EPA	NIOSH	NTP	OSHA
2,2',2"-nitrilotriethanol disodium tetraborate, anhydrous	- A4	3 -	-	-	-	

Information on the likely

routes of exposure Dermal contact. Eye contact. Inhalation.

Potential acute health effects

**Eye contact** : Causes serious eye irritation.

**Inhalation** : Exposure to decomposition products may cause a health hazard. Serious effects may be

delayed following exposure.

**Skin contact** : Causes skin irritation.

**Ingestion**: Irritating to mouth, throat and stomach.

Symptoms related to the physical, chemical and toxicological characteristics

**Eye contact** : Adverse symptoms may include the following:

pain or irritation watering redness

Inhalation : No specific data.

**Skin contact**: Adverse symptoms may include the following:

irritation redness

**Ingestion** : No specific data.

Delayed and immediate effects and also chronic effects from short and long term exposure

**Short term exposure** 

Potential immediate : Not available.

effects

Potential delayed effects : Not available.

Long term exposure

Potential immediate : Not available.

effects

Potential delayed effects : Not available.

Potential chronic health effects

Not available.

General : No known significant effects or critical hazards.
 Carcinogenicity : No known significant effects or critical hazards.
 Mutagenicity : No known significant effects or critical hazards.
 Teratogenicity : 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.

#### **Numerical measures of toxicity**

### **Acute toxicity estimates**

Route	ATE value
Dermal	31834 mg/kg 87094.7 mg/kg 870.9 mg/l

# **Section 12. Ecological information**

**Ecotoxicity** 

: Not available.

**Aquatic ecotoxicity** 

Not available.

# Section 13. Disposal considerations

Waste disposal

The generation of waste should be avoided or minimized wherever possible. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe way. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Disposal of this product, solutions and any byproducts should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

## **Section 14. Transport information**

IATA/IMDG/DOT/TDG: Please refer to the Bill of Lading/receiving documents for up to date shipping information.

## **Section 15. Regulatory information**

**U.S. Federal regulations** 

: TSCA 12(b) one-time export: 2,2',2"-(hexahydro-1,3,5-triazine-1,3,5-triyl)triethanol

TSCA 12(b) annual export notification: No products were found.

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

**EPA Registration Number** 

Clean Air Act Section 112

(b) Hazardous Air **Pollutants (HAPs) SARA 302/304** 

: Not available. : Not listed

Composition/information on ingredients

No products were found.

**SARA 304 RQ** : Not applicable.

**SARA 311/312** 

Classification : Immediate (acute) health hazard

State regulations

**Massachusetts** : The following components are listed: BORON SODIUM OXIDE; ETHANOLAMINE;

**TRIETHANOLAMINE** 

**New York** None of the components are listed.

: The following components are listed: BORATE COMPOUNDS, Inorganic; **New Jersey** 

ETHANOLAMINE; ETHANOL, 2-AMINO-; TRIETHANOLAMINE; ETHANOL, 2,2',2"-

NITRILOTRIS-

Pennsylvania : The following components are listed: BORON SODIUM OXIDE (B4NA2O7); ETHANOL,

2-AMINO-; ETHANOL, 2,2',2"-NITRILOTRIS-

California Prop. 65

Not available.

Canada

**Canadian lists** 

**Canadian NPRI** : None of the components are listed.

Canada inventory : At least one component is not listed in DSL but all such components are listed in NDSL.

Canadian PCP/DIN Number : Not available.

**International regulations** 

Date of issue/Date of revision : 2023-10-16 Date of previous issue : 2017-06-23 Version 7/8

# **Section 15. Regulatory information**

**International lists** 

: Australia inventory (AICS): Not determined. China inventory (IECSC): Not determined.

**Japan inventory**: Not determined. **Korea inventory**: Not determined.

Malaysia Inventory (EHS Register): Not determined.

New Zealand Inventory of Chemicals (NZIoC): Not determined.

Philippines inventory (PICCS): Not determined. Taiwan inventory (CSNN): Not determined.

Chemical Weapons
Convention List Schedule

III Chemicals

: Listed

## Section 16. Other information

## **History**

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### **Notice to reader**

To the best of our knowledge, the information contained herein is accurate. However, neither the above-named supplier, nor any of its subsidiaries, assumes any liability whatsoever for the accuracy or completeness of the information contained herein.

Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.