

SAFETY DATA SHEET

According to OSHA Hazard communication Standard(HCS)

29 CFR 1910.1200 Rev. 2012

Trade Name: MBI-40 Antistat

Revision Date: 11/1/21

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/ UNDERTAKING

Trade Name:	MBI-40 Antistatic Concentrate
Product Category:	Quaternary ammonium compounds ethyl dimethyl soya alkyl et. sulfates
Synonyms:	Anti-static agent
Relevant Identified Uses:	This product is diluted with water (1 part MBI-40 to 26 or 40 parts tap water) and then sprayed into plastic deflashing and deburring machines to reduce static build up
Manufacturer:	Maxi-Blast Inc 3650 North Olive Road South Bend, IN 46628, USA
Information contact:	001-574-233-1161
Emergency phone:	001-574-233-1161

2. HAZARDS IDENTIFICATION

Emergency Overview

Harmful if swallowed

Avoid contact with the skin, eyes and clothing

Avoid inhalation of mists/vapors

Provide local exhaust ventilation to control mists/vapors



State of matter:

Liquid Color: yellow, clear

Odor: product specific

Potential health effects

Primary routes of exposure: Routes of entry for solids and liquids include eye and skin contact, ingestion and inhalation. Routes of entry for gases include inhalation and eye contact. Skin contact may be route of entry for liquefied gases.

Medical conditions aggravated by overexposure: Data available do not indicate that there are medical conditions that are generally recognized as being aggravated by exposure to this substance/product. See SDS section 11-Toxicological information

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3. COMPOSITION / INFORMATION ON INGREDIENTS

According to Regulation 2012 OSHA Hazard Communication Standard; 29 CFR Part 1910.1200

<u>CAS Number</u>	<u>Content (%)</u>	<u>Chemical Name</u>
7732-18-5	96.5%	Water
68308-67-8	3.5%	Quaternary ammonium compounds ethyldimethylsoya Alkyl Et Sulfates

4. FIRST-AID MEASURES

Description of first aid measures

General advice:

Immediately remove contaminated clothing

If inhaled:

Keep patient calm, remove to fresh air, seek medical attention

If on skin:

Wash affected areas thoroughly with soap and water. Seek medical attention. Remove contaminated clothing

If in eyes:

Wash affected eyes for at least 15 minutes under running water with eyelids held open. Seek medical attention

If swallowed:

Immediately rinse mouth and then drink plenty of water, do not induce vomiting, seek medical attention. Never induce vomiting or give anything by mouth if the victim is unconscious or having convulsions.

Most important symptoms and effects, both acute and delayed

Symptoms: The most important known symptoms and effects are described in the labelling (see section 2) and/or in section 11
Hazards: No data available

Indication of any immediate medical attention and special treatment needed

Note to physician

Treatment:

Treat according to symptoms (decontamination, vital functions), no known specific antidote

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5. FIRE-FIGHTING MEASURES

Extinguishing media

Suitable extinguishing media:
Water spray, dry powder, foam

Special hazards arising from the substance or mixture

Hazards during fire-fighting:
Harmful vapors
Evolution of fumes/fog. The substances/groups of substances mentioned can be released in case of fire

Advice for fire-fighters

Protective equipment for fire-fighting:
Firefighters should be equipped with self-contained breathing apparatus and turn-out gear

Further information:

Contaminated extinguishing water must be disposed of in accordance with official Regulations

6. ACCIDENTAL RELEASE MEASURES

Further accidental release measures:

High risk of slipping due to leakage/spillage of product

Personal precautions, protective equipment and emergency procedures

Use personal protective clothing. Information regarding personal protective measures see Section 8

Environmental precautions

Do not discharge into drains/surface waters/groundwater

Methods and material for containment and cleaning up

For small amounts: Pick up with absorbent material (e.g. sand, sawdust, general-purpose binder)

Dispose of absorbed material in accordance with regulations

For large amounts: Pump off product

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7. HANDLING AND STORAGE

Precautions for safe handling

No special measure necessary provided product is used correctly

Protection against fire and explosion:

No special precautions necessary

Conditions for safe storage, including any incompatibilities

Segregate from acids and bases. Segregate from strong oxidizing agents

Suitable material for containers: Carbon steel (iron), high density polyethylene (HDPE)

Further information on storage conditions: Keep container tightly closed and in a cool place

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

None

Advice on system design:

Provide local exhaust ventilation to control vapors/mists

Personal protective equipment

Respiratory protection:

Wear a NIOSH-certified (or equivalent) organic vapor/particulate respirator

Hand protection:

Chemical resistant protective gloves

Consult with glove manufacturer for testing data

Eye protection:

Tightly fitting safety goggles (chemical goggles)

Body protection:

Impermeable protective clothing

General safety and hygiene measures:

Handle in accordance with good industrial hygiene and safety practice. Keep away from food and drink and animal feeding stuffs. Take off immediately all contaminated clothing.

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9. PHYSICAL AND CHEMICAL PROPERTIES

Form:	liquid
Odor:	product specific
Color:	yellow, clear
pH value:	5-6.5
Boiling point:	>300°F
Flash point:	240°C (ASTM D92)
Vapor pressure:	<0.35mmHg (20°C)
Density:	1 g/cm ³ (20-25°C)
Relative density:	1
Viscosity, dynamic:	100 mPa.s (25°C)
Solubility in water:	soluble

10. STABILITY AND REACTIVITY

Reactivity

No hazardous reactions if stored and handled as prescribed/indicated

Chemical stability

The product is stable if stored and handled as prescribed/indicated

Possibility of hazardous reactions

The product is stable if stored and handled as prescribed/indicated

Conditions to avoid

No conditions known that should be avoided

Incompatible materials

Strong oxidizing agents, strong bases, strong acids

Hazardous decomposition products

Decomposition products:

Hazardous decomposition products: No hazardous decomposition products if stored and handled as prescribed/indicated

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11. TOXICOLOGICAL INFORMATION

Primary routes of exposure

Routes of entry for solids and liquids are ingestion and inhalation, but may include eye or skin contact. Routes of entry for gases included inhalation and eye contact. Skin contact may be a route of entry for liquefied gases

12. ECOLOGICAL INFORMATION

Toxicity

Aquatic Toxicity

Assessment of aquatic toxicity:

Toxic to aquatic organisms

Persistence and degradability

Assessment biodegradation and elimination (H2O)

Poorly biodegradable

Bioaccumulation potential

Accumulation in organisms is not to be expected

Mobility in soil

Assessment transport between environmental compartments

The substance will not evaporate into the atmosphere from the water surface

Adsorption to solid soil phase is possible

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13. DISPOSAL CONSIDERATIONS

Waste disposal of substance:

Dispose of in accordance with national, state and local regulations. It is the waste generator's responsibility to determine if a particular waste is hazardous under RCRA

Container disposal:

Dispose of in a licensed facility. Recommend crushing, puncturing or other Means to prevent unauthorized use of used containers

RCRA: D002

14. TRANSPORTATION INFORMATION

ADR/RID	Not dangerous goods, non-hazardous
AND	Not dangerous goods, non-hazardous
IATA	Not dangerous goods, non-hazardous
IMDG	Not dangerous goods, non-hazardous

15. REGULATORY INFORMATION

Federal Regulations

Registration status:

Chemical TSCA, US released/listed

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16. OTHER INFORMATION

IMPORTANT: WHILE THE DESCRIPTIONS, DESIGNS, DATA AND INFORMATION CONTAINED HEREIN ARE PRESENTED IN GOOD FAITH AND BELIEVED TO BE ACCURATE, IT IS PROVIDED FOR YOUR GUIDANCE ONLY. BECAUSE MANY FACTORS MAY AFFECT PROCESSING OR APPLICATION/USE, WE RECOMMEND THAT YOU MAKE TESTS TO DETERMINE THE SUITABILITY OF A PRODUCT FOR YOUR PARTICULAR PURPOSE PRIOR TO USE. NO WARRANTIES OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, ARE MADE REGARDING PRODUCTS DESCRIBED OR DESIGNS, DATA OR INFORMATION SET FORTH, OR THAT THE PRODUCTS, DESIGNS OR DATA OR INFORMATION MAY BE USED WITHOUT INFRINGING ON THE INTELLECTUAL PROPERTY RIGHT OF OTHERS