SAFETY DATA SHEET
According to regulation (EC) No 1907/2006 Reach
Trade name: MBI-40 Antistat

Revision Date: 6/1/2015

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 INDENTIFICATION

Emergency Overview
Corrosive Liquid
Severely irritating to eyes, skin, respiratory track
Skin contact may result in dermatitis
Corrosive to the skin, eyes and respiratory system
Harmful if swallowed
Avoid contact with the skin, eyes and clothing
Avoid inhalation of mists/vapors
Provide local exhaust ventilation to control mists/vapors
Wear full face shield if splashing hazard exists
Wear NIOSH-certified chemical goggles
Wear chemical resistant protective gloves
Wear protective clothing
Eye wash fountains and safety showers must be easily accessible

State of matter:
LiquidColor: 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 MSDS section 11-Toxicological information

3. Composition / Information on Ingredients

CAS Number	Content (W/W)	Chemical name
7732-18-5	96.5 %	Water
68308-67-8	3.5 %	Quaternary ammonium compounds, ethyldimethylsoya alkyl, Et sulfates

4. 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.

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

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.

Note to physician
Treatment: Treat according to symptoms (decontamination, vital functions), no known specific antidote.

5. Fire-Fighting Measures

Flash point: 240 °C (ASTM D92)

Suitable extinguishing media:
water spray, dry powder, foam

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

Personal precautions:
Use personal protective clothing. Information regarding personal protective measures see, chapter 8.

Environmental precautions:
Do not discharge into drains/surface waters/groundwater.

Cleanup:
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.

Further information:

High risk of slipping due to leakage/spillage of product.

7. Handling and Storage

Handling

General advice:
No special measures necessary provided product is used correctly.

Protection against fire and explosion:
No special precautions necessary.

Storage

General advice:
Keep container tightly closed and in a cool place.

Storage incompatibility:
General advice: Segregate from acids and bases. Segregate from strong oxidizing agents.

8. Exposure Controls and Personal Protection

Advice on system design:
Provide local exhaust ventilation to control vapours/mists.

Personal protective equipment

Respiratory protection:
Wear a NIOSH-certified (or equivalent) organic vapour/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, drink and animal feeding stuffs. Take off immediately all contaminated clothing. Handle in accordance with good industrial hygiene and safety practice.

9. Physical and Chemical Properties

Form:	liquid	
Odour:	product specific	
Colour:	yellow, clear	
pH value:	5 - 6.5	
Boiling point:	> 300 °F	
Vapour pressure:	< 0.35 mmHg	(20 °C)
Density:	1 g/cm3	(20 - 25 °C)
Relative density:	1	
Viscosity, dynamic:	100 mPa.s	(25 °C)
Solubility in water:		soluble

10. Stability and Reactivity

Conditions to avoid:
No conditions known that should be avoided.

Substances to avoid:
strong oxidizing agents

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

Corrosion to metals:
Corrosive effect on metals.

11. Toxicological information

Acute toxicity

Oral:
Type of value: LD50
Species: rat
Value: 641 mg/kg

Irritation / corrosion

Skin:
Species: rabbit
Result: Corrosive.

Eye:
Species: rabbit
Result: Corrosive.

Sensitization:

Species: guinea pig
Result: Non-sensitizing.

12. Ecological Information

Fish

Acute:
Fish/LC50: 0.1 - 1 mg/l

Degradability / Persistence
Biological / Abiological Degradation

Evaluation: Poorly biodegradable.

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. Transport Information

Land transport
ADR/RID

Hazard class:	8
Packing group:	III
ID number:	UN 1760
Hazard label:	8, EHSM
Proper shipping name:	CORROSIVE LIQUID, N.O.S. (contains QUATERNARY AMMONIUM COMPOUNDS)

Sea transport
IMDG

Hazard class:	8
Packing group:	III
ID number:	UN 1760
Hazard label:	8, EHSM
Marine pollutant:	YES
Proper shipping name:	CORROSIVE LIQUID, N.O.S. (contains QUATERNARY AMMONIUM COMPOUNDS)

Air transport
IATA/ICAO

Hazard class:	8
Packing group:	III
ID number:	UN 1760
Hazard label:	8
Proper shipping name:	CORROSIVE LIQUID, N.O.S. (contains QUATERNARY AMMONIUM COMPOUNDS)

15. Regulatory Information

Federal Regulations

Registration status:
Chemical TSCA, US released / listed

OSHA hazard category: Corrosive to skin and/or eyes;

EPCRA 311/312 (Hazard categories): Acute;

16. Other Information

NFPA Hazard codes:

Health : 3 Fire: 1 Reactivity: 0 Special:

HMIS III rating
Health: 3 Flammability: 1 Physical hazard: 0

NFPA and HMIS use a numbering scale ranging from 0 to 4 to indicate the degree of hazard. A value of zero means that the substance possesses essentially no hazard; a rating of four indicates extreme danger. Although similar, the two rating systems are intended for different purposes, and use different criteria. The NFPA system was developed to provide an on-the-spot alert to the hazards of a material, and their severity, to emergency responders. The HMIS system was designed to communicate workplace hazard information to employees who handle hazardous chemicals.

We support worldwide Responsible Care® initiatives. We value the health and safety of our employees, customers, suppliers and neighbors, and the protection of the environment. Our commitment to Responsible Care is integral to conducting our business and operating our facilities in a safe and environmentally responsible fashion, supporting our customers and suppliers in ensuring the safe and environmentally sound handling of our products, and minimizing the impact of our operations on society and the environment during production, storage, transport, use and disposal of our products.