

SAFETY DATA SHEET

According to regulation (EC) No 1907/2006 Reach

Trade name: MBI-1001 Antistat

Revision Date: 1/1/19

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

Trade Name:	MBI-1001 Antistatic Concentrate
Product Category:	Polysorbate 20
Synonyms:	Tween 20
Relevant Identified Uses:	This product is diluted with water (1-part MBI-1001 to 500 or 1000 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

SAFETY DATA SHEET

According to regulation (EC) No 1907/2006 Reach

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2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture:

2.1.1 Classification according to regulation (EC) No 1272/2008 (CLP):

Serious eye damage/eye irritation, category 2A

Skin sensitization, Category 1

2.1.2 Classification according to Directive 1999/45/EC:

Xi: Irritant

Risk phrases: R36, R43

For full text of R-phrases see Section 15

2.2 Label Elements:

2.2.1 Labeling according to regulation (EC) No 1272/2008 (CLP):



GHS signal word: Warning

GHS hazard phrases:

H319: Causes serious eye irritation

H317: May cause an allergic skin reaction

GHS precaution phrases:

P264: Wash hands thoroughly after handling

P280: Wear protective gloves/clothing and eye/face protection
as specified by the manufacturer/supplier or the competent
authority

P261: Avoid breathing dust/fume/gas/mist/vapors/spray

P272: Contaminated work clothing should not be allowed out of
the work place

P362+364: Take off contaminated clothing and wash it before
reuse

SAFETY DATA SHEET

According to regulation (EC) No 1907/2006 Reach

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2. HAZARDS IDENTIFICATION CON'T

2.1.1 CON'T

GHS response phrases:

P305+338: If in eyes: rinse cautiously with water for several minutes.

Remove contact lenses, if present and easy to do. Continue rinsing

P337+313: If eye irritation persists, get medical advice/attention

P302+352: If on skin: wash with plenty of soap and water

P33+313: If skin irritation or rash occurs, seek medical advice/attention

GHS storage and disposal phrases:

Please refer to Section 7 for storage and Section 13 for disposal information

3. COMPOSITION/INFORMATION ON INGREDIENTS

CAS# / RTECS#	Hazardous Components (chemical name) Reach Registration No.	Concentration	EC No./ EC Index No	Risk Phrases/ GHS Classification
9005-54-5 TR8500000	Polyoxyethylene (20) sorbitan monolaurate (Tween 20™)	100.0%	500-018-3 NA	XI: R36-43 Skin sens. 1: H317 Eye damage: 2A:H319

SAFETY DATA SHEET

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4. FIRST AID MEASURES

4.1 Description of first aid measures:

In case of inhalation: Remove to fresh air. If not breathing, give artificial respiration or give oxygen by trained personnel. Get immediate medical attention.

In case of skin contact: Immediately wash skin with soap and plenty of water for at least 20 minutes. Remove contaminated clothing. Get medical attention if symptoms occur. Wash clothing before reuse.

In case of eye contact: Hold eyelids apart and flush eyes with plenty of water for at least 20 minutes. Have eyes examined and tested by medical personnel.

In case of ingestion: Wash mouth out with water provided person is conscious. Never give anything by mouth to an unconscious person. Get medical attention. DO NOT induce vomiting unless directed to do so by medical personnel.

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5. FIRE FIGHTING MEASURES

5.1 Suitable extinguishing media: Use alcohol-resistant foam, carbon dioxide, water, or dry chemical spray. Use water spray to cool fire-exposed containers.
Unsuitable Extinguishing media: A solid stream of water may be inefficient.

5.2 Flammable properties and hazards: No data available

Flash pt.: No Data

Explosive limits: LEL: No data

UEL: No data

Autoignition pt.: No data

5.3 Fire fighting instructions: As in any fire, wear self-contained breathing apparatus pressure-demand (NIOSH approved or equivalent), and full protective gear to prevent contact with skin and eyes

6. ACCIDENTAL RELEASE MEASURES

- 6.1 Protective precautions, protective equipment and emergency procedures: Avoid raising and breathing dust and provide adequate ventilation. As conditions warrant, wear a NIOSH approved self-contained breathing apparatus, or respirator, and appropriate personal protection (rubber boots, safety goggles and heavy rubber gloves).
 - 6.2 Environmental precautions: Take steps to avoid release into the environment, if safe to do so.
 - 6.3 Methods and material for containment and cleaning up: Contain spill and collect as appropriate. Transfer to a chemical waste container for disposal in accordance with local regulations.
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7. HANDLING AND STORAGE

- 7.1 Precautions to be taken in handling: Avoid breathing dust/fume/gas/vapors/spray. Avoid prolonged or repeated exposure.
- 7.2 Precautions to be taken in storing: Store in accordance with information listed on the product insert. Keep container tightly closed.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Exposure parameters:

CAS#	Partial Chemical Name	Britain EH40	France VL	Europe
9005-54-5	Polyoxyethylene (20) sorbitan monolaurate (Tween 20™)	No data	No data	No data
CAS#	Partial Chemical Name	OSHA TWA	ACGIH TWA	Other limits
9005-54-5	Polyoxyethylene (20) sorbitan monolaurate (Tween 20™)	No data	No data	No data

8.2 Exposure Controls

- 8.2.1 Engineering controls (ventilation etc.): Use process enclosures, local exhaust ventilation or other engineering controls to control airborne levels below recommended exposure limits

- 8.2.2 Personal protection equipment:

Eye Protection: Safety glasses

Protective gloves: Compatible chemical-resistant gloves

Other protective clothing: Lab coat

Respiratory equipment NIOSH approved respirator as conditions warrant

Work/hygienic/maintenance practices: Do not take internally. Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Wash thoroughly after handling

SAFETY DATA SHEET

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9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Physical states: Liquid

Appearance and odor: A clear, yellow viscous liquid

Melting point: No data

Boiling point: No data

Flash pt.: No data

Evaporation rate: No data

Explosive limits: LEL: No data UEL: No data

Vapor pressure (vs. air or mm Hg): No data

Vapor density (vs. air =1): No data

Specific gravity (water=1): No data

Solubility in water: No data

Autoignition pt.: No data

9.2 Other information

Percent volatile: N/A

10. STABILITY AND REACTIVITY

10.1 Reactivity: No data available

10.2 Stability: Stable

10.3 Stability note(s): Stable if stored in accordance with information listed on the product insert. Polymerization: will not occur

10.4 Conditions to avoid: No data available

10.5 Incompatibility material to avoid: Strong oxidizing agents

10.6 Hazardous decomposition or byproducts: Carbon monoxide

SAFETY DATA SHEET

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11. TOXICOLOGICAL INFORMATION

- 11.1 Information on toxicological effects: The toxicological effects of this product have not been thoroughly studied

Polysorbate 20-Toxicity data: Oral LD50 (rat): 36.7 ml/kg; Oral LD50 (hamster): 18 ml/kg; Oral LD50 (mouse): >33 g/kg; Irritation data: Skin (human) 15 mg/3D mild

Chronic toxicological effects:

Polysorbate 20- Investigated as a tumorigen and reproductive effector. Only select Registry of Toxic effects of Chemical Substances (RTECS) data is presented here. See actual entry in RTECS for complete information. Polysorbate 20 RTECS number: TR7400000

Carcinogenicity: NTP? No IARC Monographs? No OSHA Regulated? No

12. ECOLOGICAL INFORMATION

- 12.1 Toxicity: Avoid release into the environment. Runoff from fire control or dilution water may cause pollution
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13. DISPOSAL CONSIDERATION

- 13.1 waste disposal Method: Dispose in accordance with local, state and federal regulations

SAFETY DATA SHEET

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14. TRANSPORT INFORMATION**14.1 Land Transport (US DOT)**

DOT proper shipping name: Not dangerous goods

DOT Hazard class:

UN/NA Number:

14.2 Land Transport (European ADR/RID)

ADR/RID shipping name: Not dangerous goods

UN Number:

Hazard class:

14.3 Air transportation (ICAO/IATA)

ICAO/IATA shipping name: Not dangerous goods

Additional transport information: Transport in accordance with local, state and federal regulations

SAFETY DATA SHEET

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15. REGULATORY INFORMATION

EPA SARA (Superfund Amendments and Reauthorization Act of 1986) Lists

CAS #	Hazardous Components (chemical name)	S.302 (EHS)	S.304 RQ	S.313(TRI)
9005-54-5	Polyoxyethylene (20) sorbitan monolaurate (Tween 20™)	No	No	NO
CAS#	Hazardous Components (chemical name)	Other US EPA or State Lists		
9005-54-5	Polyoxyethylene (20) sorbitan monolaurate (Tween 20™)	CAA, HAP, ODC: No; CWA NPDES: No, TSCA: Inventory: CA Prop.65: No		

European Community Hazard Symbol codes:



irritant

European Community Risk and Safety Phrases:

R36: Irritating to eyes

R43: May cause sensitization by skin contact

S24/25: Avoid contact with skin and eyes

S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice

S36/37/39: Wear suitable protective clothing, gloves and eye/face protection

Regulatory Information Statement: This SDS was prepared in accordance with regulation (EC) No. 1272/2008 and European Directive 67/548/EEC as amended

SAFETY DATA SHEET

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16. OTHER INFORMATION

DISCLAIMER: This information is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes.

N.A.=Not available

N.P.=Not applicable

N.D.=Not determined

N.E.=Not establishes

N.R.=Not required