

Material Safety Data Sheet

According to regulation (EC) No 1907/2006 Reach

Trade name: MBI-1001 Antistat

Revision Date: 1/15/2014

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

Material Safety Data Sheet
According to regulation (EC) No 1907/2006 Reach
Trade name: MBI-1001 Antistat

Revision Date: 1/15/2014

Section 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/vapours/spray.
P272: Contaminated work clothing should not be allowed out of the workplace.
P362+364: Take off contaminated clothing and wash it before reuse.

GHS Response Phrases:

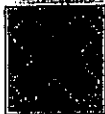
P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337+313: If eye irritation persists, get medical advice/attention.
P302+352: IF ON SKIN: Wash with plenty of soap and water.
P333+313: If skin irritation or rash occurs, seek medical advice/attention.

GHS Storage and Disposal Phrases:

Multi-region format

Please refer to Section 7 for Storage and Section 13 for Disposal information.

2.2.2 Labeling according to Directive 1999/45/EC:



Xi

2.3 Adverse Human Health Causes serious eye irritation.

Effects and Symptoms: Material may be irritating to the mucous membranes and upper respiratory tract.
 May be harmful by inhalation, ingestion, or skin absorption.
 May cause an allergic skin reaction.
 May cause respiratory system irritation.
 To the best of our knowledge, the toxicological properties have not been thoroughly investigated.

Section 3. Composition/Information on Ingredients

CAS # / RTECS #	Hazardous Components (Chemical Name)/ REACH Registration No.	Concentration	EC No./ EC Index No.	Risk Phrases/ GHS Classification
9005-64-5 TR7400000	Polyoxyethylene (20) sorbitan monolaurate (Tween 20™)	100.0 %	500-018-3 NA	Xi; R36-43 Skin Sens. 1: H317 Eye Damage 2A: H319

Section 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 out mouth 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.

Section 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 water stream 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.

Section 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.

Section 7. Handling and Storage

- 7.1 **Precautions To Be Taken In Handling:** Avoid breathing dust/fume/gas/mist/vapours/spray. Avoid prolonged or repeated exposure.
- 7.2 **Precautions To Be Taken In Storing:** Keep container tightly closed. Store in accordance with Information listed on the product insert.

Section 8. Exposure Controls/Personal Protection

8.1 Exposure Parameters:

CAS #	Partial Chemical Name	Britain EH40	France VL	Europe
9005-64-5	Polyoxyethylene (20) sorbitan monolaurate (Tween 20™)	No data.	No data.	No data.
CAS #	Partial Chemical Name	OSHA TWA	ACGIH TWA	Other Limits
9005-64-5	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 (Specify Type):** 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.

Section 9. Physical and Chemical Properties

9.1 Information on Basic Physical and Chemical Properties	
Physical States:	<input type="checkbox"/> Gas <input checked="" type="checkbox"/> Liquid <input type="checkbox"/> Solid
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.

Section 10. Stability and Reactivity


10.1 Reactivity:	No data available.
10.2 Stability:	Unstable <input type="checkbox"/> Stable <input checked="" type="checkbox"/>
10.3 Stability Note(s):	Stable if stored in accordance with information listed on the product insert.
Polymerization:	Will occur <input type="checkbox"/> Will not occur <input checked="" type="checkbox"/>
10.4 Conditions To Avoid:	No data available.
10.5 Incompatibility - Materials To Avoid:	strong oxidizing agents
10.6 Hazardous Decomposition Or Byproducts:	carbon dioxide carbon monoxide

Section 11. Toxicological Information

11.1 Information on Toxicological Effects:	The toxicological effects of this product have not been thoroughly studied.
Chronic Toxicological Effects:	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; 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

Section 12. Ecological Information

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

Section 13: Disposal Considerations				
13.1 Waste Disposal Method:	Dispose in accordance with local, state, and federal regulations.			
Section 14. Transport Information				
14.1 LAND TRANSPORT (US DOT):				
DOT Proper Shipping Name: Not dangerous goods.				
DOT Hazard Class:				
UN/NA Number:				
14.1 LAND TRANSPORT (European ADR/RID):				
ADR/RID Shipping Name: Not dangerous goods.				
UN Number:				
Hazard Class:				
14.3 AIR TRANSPORT (ICAO/IATA):				
ICAO/IATA Shipping Name: Not dangerous goods.				
Additional Transport Information: Transport in accordance with local, state, and federal regulations.				
Section 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)
9005-64-5	Polyoxyethylene (20) sorbitan monolaurate (Tween 20™)	No	No	No
CAS #	Hazardous Components (Chemical Name)	Other US EPA or State Lists		
9005-64-5	Polyoxyethylene (20) sorbitan monolaurate (Tween 20™)	CAA HAP, ODC: No; CWA NPDES: No; TSCA: Inventory; CA PROP.65: No		
European Community Hazard Symbol codes:				
				
Xi				
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.			

Section 16. Other Information

Additional Information About No data available.

This Product:

Company Policy or
Disclaimer:

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 established,
N.R.=Not required