

SAFETY DATA SHEET MA300 ADHESIVE.

Commission Regulation (EU) No 2015/830 of 28 May 2015.

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product name MA300 ADHESIVE.

REACH registration notes CAS 80-62-6: 01-2119452498-28-XXXX CAS 79-41-4: 01-2119463884-26-XXXX

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

Identified uses Adhesive.

1.3. Details of the supplier of the safety data sheet

Supplier

ITW Performance Polymers

Bay 150

Shannon Industrial Estate

Co. Clare Ireland V14 DF82 353(61)771500 353(61)471285 mail@itwpp.com

1.4. Emergency telephone number

Emergency telephone +44(0)1235 239 670 (24h)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification (EC 1272/2008)

Physical hazards Flam. Liq. 2 - H225

Health hazards Skin Irrit. 2 - H315 Skin Sens. 1 - H317 STOT SE 3 - H335

Environmental hazards Not Classified

2.2. Label elements

Pictogram





Signal word Danger

Hazard statements H225 Highly flammable liquid and vapour.

H315 Causes skin irritation.

H317 May cause an allergic skin reaction. H335 May cause respiratory irritation.

Precautionary statements P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No

smoking.

P261 Avoid breathing vapour/ spray.

P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.

P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing.

Rinse skin with water/ shower.

P332+P313 If skin irritation occurs: Get medical advice/ attention.

P501 Dispose of contents/ container in accordance with national regulations.

Contains METHYL METHACRYLATE, METHACRYLIC ACID, bis[4-(2,3-

EPOXYPROPOXY)PHENYL]PROPANE, HYDROQUINONE

Supplementary precautionary

statements

P240 Ground/ bond container and receiving equipment.

P241 Use explosion-proof electrical equipment.

P242 Use only non-sparking tools.

P243 Take precautionary measures against static discharge. P264 Wash contaminated skin thoroughly after handling. P271 Use only outdoors or in a well-ventilated area.

P272 Contaminated work clothing should not be allowed out of the workplace.

P302+P352 IF ON SKIN: Wash with plenty of water.

P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P312 Call a POISON CENTER/ doctor if you feel unwell. P321 Specific treatment (see medical advice on this label).

P333+P313 If skin irritation or rash occurs: Get medical advice/ attention. P362+P364 Take off contaminated clothing and wash it before reuse.

P370+P378 In case of fire: Use foam, carbon dioxide, dry powder or water fog to extinguish.

P403+P233 Store in a well-ventilated place. Keep container tightly closed.

P403+P235 Store in a well-ventilated place. Keep cool.

P405 Store locked up.

2.3. Other hazards

This product does not contain any substances classified as PBT or vPvB.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

METHYL METHACRYLATE 50-60%

CAS number: 80-62-6 EC number: 201-297-1 REACH registration number: 01-

2119452498-28-0000

Classification

Flam. Liq. 2 - H225 Skin Irrit. 2 - H315 Skin Sens. 1 - H317

STOT SE 3 - H335

METHACRYLIC ACID		5-10%
CAS number: 79-41-4	S number: 79-41-4 EC number: 201-204-4 REACH registration nur 2119463884-26-0000	
Classification		
Acute Tox. 4 - H302		
Acute Tox. 4 - H312		
Skin Corr. 1A - H314		
Eye Dam. 1 - H318		
STOT SE 3 - H335		

bis[4-(2,3-EPOXYPROPOXY)PHENYL]PROPANE		<1%
CAS number: 1675-54-3	EC number: 216-823-5	
Classification		
Skin Irrit. 2 - H315		
Eye Irrit. 2 - H319		
Skin Sens. 1 - H317		

CUMENE HYDROPEROXIDE		<1%
CAS number: 80-15-9	EC number: 201-254-7	
Classification		
Org. Perox. E - H242		
Acute Tox. 4 - H302		
Acute Tox. 4 - H312		
Acute Tox. 3 - H331		
Skin Corr. 1B - H314		
Eye Dam. 1 - H318		
STOT SE 3 - H335		
STOT RE 2 - H373		
Aquatic Chronic 2 - H411		

		1
HYDROQUINONE		<1%
CAS number: 123-31-9	EC number: 204-617-8	
M factor (Acute) = 10	M factor (Chronic) = 1	
Classification		
Acute Tox. 4 - H302		
Eye Dam. 1 - H318		
Skin Sens. 1 - H317		
Muta. 2 - H341		
Carc. 2 - H351		
Aquatic Acute 1 - H400		

The full text for all hazard statements is displayed in Section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

MA300 ADHESIVE.

General information Avoid contact with skin and eyes. Do not breathe vapour/spray. In case of accident or if you

feel unwell, seek medical advice immediately (show the label where possible).

Inhalation Move affected person to fresh air at once. When breathing is difficult, properly trained

personnel may assist affected person by administering oxygen. Get medical attention if any

discomfort continues.

Ingestion Do not induce vomiting. Give plenty of water to drink. Get medical attention.

Skin contact Remove affected person from source of contamination. Wash skin thoroughly with soap and

water. Get medical attention if irritation persists after washing.

Eye contact Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15

minutes and get medical attention. Get medical attention if irritation persists after washing.

4.2. Most important symptoms and effects, both acute and delayed

General information The severity of the symptoms described will vary dependent on the concentration and the

length of exposure.

4.3. Indication of any immediate medical attention and special treatment needed

Notes for the doctor No specific recommendations. If in doubt, get medical attention promptly.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media Extinguish with foam, carbon dioxide or dry powder.

5.2. Special hazards arising from the substance or mixture

Specific hazards Highly flammable. Avoid breathing fire gases or vapours. Vapours are heavier than air and

may spread near ground and travel a considerable distance to a source of ignition and flash

back. Polymerises easily with evolution of heat.

5.3. Advice for firefighters

Protective actions during

firefighting

Keep up-wind to avoid fumes. Do not use water jet as an extinguisher, as this will spread the fire. Cool containers exposed to flames with water until well after the fire is out. Control run-off

water by containing and keeping it out of sewers and watercourses.

Special protective equipment

for firefighters

Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective

clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions Highly flammable Warn everybody of potential hazards and evacuate if necessary. No

smoking, sparks, flames or other sources of ignition near spillage. Provide adequate ventilation. Avoid contact with skin and eyes. Avoid inhalation of spray mist and contact with skin and eyes. Wear protective clothing as described in Section 8 of this safety data sheet.

6.2. Environmental precautions

Environmental precautions Avoid the spillage or runoff entering drains, sewers or watercourses. Spillages or uncontrolled

discharges into watercourses must be reported immediately to the Environmental Agency or

other appropriate regulatory body.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up Absorb spillage with non-combustible, absorbent material. Collect and place in suitable waste

disposal containers and seal securely. Containers with collected spillage must be properly

labelled with correct contents and hazard symbol.

6.4. Reference to other sections

Reference to other sections For personal protection, see Section 8. For waste disposal, see section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Usage precautions Provide adequate general and local exhaust ventilation. Observe any occupational exposure

limits for the product or ingredients. Avoid contact with skin and eyes. Take precautionary measures against static discharges. Storage tanks and other containers must be earthed. No smoking, sparks, flames or other sources of ignition near spillage. Good personal hygiene

procedures should be implemented.

7.2. Conditions for safe storage, including any incompatibilities

Storage precautions Store in tightly-closed, original container in a dry, cool and well-ventilated place. Store away

from incompatible materials (see Section 10).

7.3. Specific end use(s)

Specific end use(s) The identified uses for this product are detailed in Section 1.2.

SECTION 8: Exposure Controls/personal protection

8.1. Control parameters

Occupational exposure limits

METHYL METHACRYLATE

Long-term exposure limit (8-hour TWA): WEL 50 ppm 208 mg/m³ Short-term exposure limit (15-minute): WEL 100 ppm 416 mg/m³

METHACRYLIC ACID

Long-term exposure limit (8-hour TWA): WEL 20 ppm 72 mg/m³ Short-term exposure limit (15-minute): WEL 40 ppm 143 mg/m³

HYDROQUINONE

Long-term exposure limit (8-hour TWA): WEL 0.5 mg/m³

WEL = Workplace Exposure Limit

Ingredient comments WEL = Workplace Exposure Limits

8.2. Exposure controls

Protective equipment







Appropriate engineering controls

Provide adequate general and local exhaust ventilation.

Eye/face protection

Eyewear complying with an approved standard should be worn if a risk assessment indicates eye contact is possible. The following protection should be worn: Chemical splash goggles. Personal protective equipment for eye and face protection should comply with European Standard EN166.

Hand protection

Wear protective gloves made of the following material: Rubber or plastic. To protect hands from chemicals, gloves should comply with European Standard EN374. The selected gloves should have a breakthrough time of at least 8 hours.

Other skin and body

Wear apron or protective clothing in case of contact.

protection

MA300 ADHESIVE.

Hygiene measures Provide eyewash station and safety shower. Keep away from food, drink and animal feeding

stuffs. Good personal hygiene procedures should be implemented. Wash hands and any other contaminated areas of the body with soap and water before leaving the work site. Do not eat, drink or smoke when using the product. Change work clothing daily before leaving

workplace.

Respiratory protection If ventilation is inadequate, suitable respiratory protection must be worn. Respirator selection

must be based on exposure levels, the hazards of the product and the safe working limits of the selected respirator. Check that the respirator fits tightly and the filter is changed regularly. Wear a respirator fitted with the following cartridge: Organic vapour filter. Gas filter, type A2. Half mask and quarter mask respirators with replaceable filter cartridges should comply with

European Standard EN140.

SECTION 9: Physical and Chemical Properties

9.1. Information on basic physical and chemical properties

Appearance Paste.

Colour White/off-white.

Odour Slight pungent.

pH pH (diluted solution): 300-3.5 5%

Initial boiling point and range 101°C @

Flash point 10°C TCC (Tag closed cup).

Evaporation rate 3 (butyl acetate =1)

Upper/lower flammability or

explosive limits

Upper flammable/explosive limit: 12.5 Lower flammable/explosive limit: 2.1

Vapour pressure 28 mmHg @ °C

Vapour density >1

Relative density 1.03 @ 20 °C °C

Viscosity 40,000-60,000 cP @ 25°C

9.2. Other information

Other information Not available.

SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity The following materials may react with the product: Strong oxidising agents. Strong reducing

agents.

10.2. Chemical stability

Stable at normal ambient temperatures and when used as recommended. May polymerise.

10.3. Possibility of hazardous reactions

Possibility of hazardous

May polymerise.

reactions

10.4. Conditions to avoid

Conditions to avoid Avoid heat, flames and other sources of ignition. Avoid excessive heat for prolonged periods

of time. Avoid exposure to high temperatures or direct sunlight. Heating may generate

flammable vapours. Vapours may form explosive mixtures with air.

MA300 ADHESIVE.

10.5. Incompatible materials

Materials to avoid Avoid contact with the following materials: Oxidising agents. Reducing agents. Alkalis -

inorganic. Alkalis - organic.

10.6. Hazardous decomposition products

Hazardous decomposition

Oxides of carbon. Thermal decomposition or combustion may liberate carbon oxides and

other toxic gases or vapours.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity - oral

products

ATE oral (mg/kg) 5,882.35

Acute toxicity - dermal

ATE dermal (mg/kg) 12,941.18

Acute toxicity - inhalation

ATE inhalation (gases ppm) 106,060.61

ATE inhalation (vapours mg/l) 454.55

ATE inhalation (dusts/mists

mg/l)

75.76

Inhalation Vapours in high concentrations are narcotic. Symptoms following overexposure may include

the following: Headache. Fatigue. Dizziness. Nausea, vomiting. Vapours in high

concentrations are anaesthetic. Symptoms following overexposure may include the following:

Headache. Fatigue. Dizziness. Central nervous system depression.

Irritating. Symptoms following overexposure may include the following: Nausea, vomiting.

Stomach pain.

Skin contact May be absorbed through the skin. Irritating to skin. Prolonged or repeated exposure may

cause severe irritation. May cause sensitisation by skin contact. May cause sensitisation or

allergic reactions in sensitive individuals.

Eye contact Irritating to eyes. A single exposure may cause the following adverse effects: Corneal

damage.

Target organs Prolonged or repeated exposure may cause the following adverse effects: May cause damage

to the liver and kidneys. Central nervous system Respiratory system, lungs

bis[4-(2,3-EPOXYPROPOXY)PHENYL]PROPANE

Carcinogenicity

IARC Group 3 Not classifiable as to its carcinogenicity to humans.

HYDROQUINONE

Acute toxicity - oral

ATE oral (mg/kg) 500.0

Carcinogenicity

IARC carcinogenicity IARC Group 3 Not classifiable as to its carcinogenicity to humans.

SECTION 12: Ecological Information

MA300 ADHESIVE.

Ecotoxicity Avoid release to the environment.

12.1. Toxicity

Toxicity Not considered toxic to fish.

12.2. Persistence and degradability

Persistence and degradability Methyl methacrylate monomer: Biochemical oxygen demand within 5 days (BOD5) = .14 g/g

- 0.9 g/g.

12.3. Bioaccumulative potential

Bioaccumulative potential Methyl methacrylate monomer: LC50/96h/fathead minnows = 150 ppm, LC50/96h/bluegill

sunfish = 232ppm. Methyl methacrylate monomer: LC50/96h/rainbow trout = >79mg/l

12.4. Mobility in soil

Mobility Do not discharge into drains or watercourses or onto the ground.

12.5. Results of PBT and vPvB assessment

Results of PBT and vPvB

assessment

This product does not contain any substances classified as PBT or vPvB.

12.6. Other adverse effects

Other adverse effects Not available.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

General information Waste is classified as hazardous waste. Dispose of waste to licensed waste disposal site in

accordance with the requirements of the local Waste Disposal Authority. When handling waste, the safety precautions applying to handling of the product should be considered.

Disposal methodsDispose of waste to licensed waste disposal site in accordance with the requirements of the

local Waste Disposal Authority.

Waste class 08 04 09

SECTION 14: Transport information

General No other information known.

14.1. UN number

UN No. (ADR/RID) 1133

UN No. (IMDG) 1133

UN No. (ICAO) 1133

14.2. UN proper shipping name

Proper shipping name

ADHESIVES

(ADR/RID)

Proper shipping name (IMDG) ADHESIVES

Proper shipping name (ICAO) ADHESIVES

Proper shipping name (ADN) ADHESIVES

14.3. Transport hazard class(es)

ADR/RID class 3

ADR/RID label 3

IMDG class 3

ICAO class/division 3

Transport labels



14.4. Packing group

ADR/RID packing group II

IMDG packing group II

ICAO packing group III

14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant

No.

14.6. Special precautions for user

EmS F-E, S-D

Emergency Action Code •3YE

Hazard Identification Number

(ADR/RID)

Tunnel restriction code (D/E)

14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code

33

Transport in bulk according to No information required. **Annex II of MARPOL 73/78**

and the IBC Code

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

EU legislation Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16

December 2008 on classification, labelling and packaging of substances and mixtures (as

amended).

15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

SECTION 16: Other information

Revision date 05/04/2018

Revision 31

Supersedes date 03/05/2017

Hazard statements in full H225 Highly flammable liquid and vapour.

H242 Heating may cause a fire.

H302 Harmful if swallowed.

H312 Harmful in contact with skin.

H314 Causes severe skin burns and eye damage.

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

H318 Causes serious eye damage.

H319 Causes serious eye irritation.

H331 Toxic if inhaled.

H335 May cause respiratory irritation.

H341 Suspected of causing genetic defects.

H351 Suspected of causing cancer.

H373 May cause damage to organs through prolonged or repeated exposure.

H400 Very toxic to aquatic life.

H411 Toxic to aquatic life with long lasting effects.

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty, guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.