

ITW Engineered Polymers

SAFETY DATA SHEET MA530 ADHESIVE

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier

Product name MA530 ADHESIVE

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 Engineered Polymers
Bay 150
Shannon Industrial Estate
Shannon
Co. Clare
+353 (0)61 471 299
+353 (0)61 471 285
mail@itwep.com

1.4. Emergency telephone number

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

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

Classification (EC 1272/2008)

Physical and Chemical Hazards	Flam. Liq. 2 - H225
Human health	Skin Irrit. 2 - H315; Eye Irrit. 2 - H319; Resp. Sens. 1 - H334; Skin Sens. 1 - H317; STOT SE 3 - H335
Environment	Not classified.

Classification (1999/45/EEC)

R42/43. Xi; R36/37/38. F; R11.

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

2.2. Label elements

Contains CHLOROSULFONATED POLYETHYLENE
MALEIC ACID
METHOXY POLYETHYLENE GLYCOL METHACRYLATE
METHYL METHACRYLATE

Label In Accordance With (EC) No. 1272/2008



Signal Word

Danger

Hazard Statements

H225	Highly flammable liquid and vapour.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.

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	H319	Causes serious eye irritation.
	H334	May cause allergy or asthma symptoms or breathing difficulties if inhaled.
	H335	May cause respiratory irritation.
Precautionary Statements		
	P210	Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
	P280	Wear protective gloves/protective clothing/eye protection/face protection.
	P285	In case of inadequate ventilation wear respiratory protection.
	P305+351+338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
	P313	Get medical advice/attention.
	P342+311	If experiencing respiratory symptoms: Call a POISON CENTER or doctor/physician.
	P501	Dispose of contents/container to ...
Supplementary Precautionary Statements		
	P233	Keep container tightly closed.
	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.
	P271	Use only outdoors or in a well-ventilated area.
	P272	Contaminated work clothing should not be allowed out of the workplace.
	P261	Avoid breathing vapour/spray.
	P264	Wash contaminated skin thoroughly after handling.
	P321	Specific treatment (see medical advice on this label).
	P370+378	In case of fire: Use foam, carbon dioxide, dry powder or water fog for extinction.
	P302+352	IF ON SKIN: Wash with plenty of soap and water.
	P303+361+353	IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
	P304+340	IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
	P304+341	IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.
	P312	Call a POISON CENTER or doctor/physician if you feel unwell.
	P332+313	If skin irritation occurs: Get medical advice/attention.
	P333+313	If skin irritation or rash occurs: Get medical advice/attention.
	P337	If eye irritation persists:
	P362	Take off contaminated clothing and wash before reuse.
	P363	Wash contaminated clothing before reuse.
	P403+233	Store in a well-ventilated place. Keep container tightly closed.
	P403+235	Store in a well-ventilated place. Keep cool.
	P405	Store locked up.

2.3. Other hazards

This product does not contain any PBT or vPvB substances.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.2. Mixtures

CHLOROSULFONATED POLYETHYLENE	1-5%
CAS-No.: 68037-39-8	EC No.:
Classification (EC 1272/2008) Not classified.	Classification (67/548/EEC) Xi;R36/38. R42/43.

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<p>DODECYL METHACRYLATE 1-10%</p> <p>CAS-No.: 142-90-5 EC No.: 205-570-6</p>		
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<p>HEXADECYL METHACRYLATE 1-5%</p> <p>CAS-No.: 2495-27-4 EC No.:</p>		
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<p>MALEIC ACID 1-5%</p> <p>CAS-No.: 110-16-7 EC No.: 203-742-5</p>		
<table style="width: 100%; border: none;"> <tr> <td style="width: 50%; border: none;"> <p>Classification (EC 1272/2008)</p> <p>Acute Tox. 4 - H302</p> <p>Skin Irrit. 2 - H315</p> <p>Eye Irrit. 2 - H319</p> <p>Skin Sens. 1 - H317</p> <p>STOT SE 3 - H335</p> </td> <td style="width: 50%; border: none;"> <p>Classification (67/548/EEC)</p> <p>Xn;R22</p> <p>Xi;R36/37/38</p> <p>R43</p> </td> </tr> </table>	<p>Classification (EC 1272/2008)</p> <p>Acute Tox. 4 - H302</p> <p>Skin Irrit. 2 - H315</p> <p>Eye Irrit. 2 - H319</p> <p>Skin Sens. 1 - H317</p> <p>STOT SE 3 - H335</p>	<p>Classification (67/548/EEC)</p> <p>Xn;R22</p> <p>Xi;R36/37/38</p> <p>R43</p>
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<p>METHOXY POLYETHYLENE GLYCOL METHACRYLATE 1-5%</p> <p>CAS-No.: 26915-72-0 EC No.:</p>		
<table style="width: 100%; border: none;"> <tr> <td style="width: 50%; border: none;"> <p>Classification (EC 1272/2008)</p> <p>Not classified.</p> </td> <td style="width: 50%; border: none;"> <p>Classification (67/548/EEC)</p> <p>Xi;R36/37/38.</p> <p>R43.</p> </td> </tr> </table>	<p>Classification (EC 1272/2008)</p> <p>Not classified.</p>	<p>Classification (67/548/EEC)</p> <p>Xi;R36/37/38.</p> <p>R43.</p>
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<p>METHYL METHACRYLATE 30-60%</p> <p>CAS-No.: 80-62-6 EC No.: 201-297-1</p>		
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<p>TETRADECYL METHACRYLATE 1-5%</p> <p>CAS-No.: 2549-53-3 EC No.:</p>		
<table style="width: 100%; border: none;"> <tr> <td style="width: 50%; border: none;"> <p>Classification (EC 1272/2008)</p> <p>Not classified.</p> </td> <td style="width: 50%; border: none;"> <p>Classification (67/548/EEC)</p> <p>Xi;R36/37/38.</p> </td> </tr> </table>	<p>Classification (EC 1272/2008)</p> <p>Not classified.</p>	<p>Classification (67/548/EEC)</p> <p>Xi;R36/37/38.</p>
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The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

SECTION 4: FIRST AID MEASURES

4.1. Description of first aid measures

General information

General first aid, rest, warmth and fresh air. Get medical attention.

Inhalation

Remove victim immediately from source of exposure. Perform artificial respiration if breathing has stopped. Get medical attention.

Ingestion

DO NOT induce vomiting. Get medical attention immediately. NEVER MAKE AN UNCONSCIOUS PERSON VOMIT OR DRINK FLUIDS!

Skin contact

Wash off promptly and flush contaminated skin with water. Promptly remove clothing if soaked through and flush skin with water. Get medical attention if irritation persists after washing.

Eye contact

Immediately flush with plenty of water for up to 15 minutes. Remove any contact lenses and open eyelids widely. If irritation persists: Continue flushing during transport to hospital. Bring these instructions.

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

General information

The severity of the symptoms described will vary dependant of the concentration and the length of exposure.

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

No recommendation given, but first aid may still be required in case of accidental exposure, inhalation or ingestion of this chemical. If in doubt, GET MEDICAL ATTENTION PROMPTLY!

SECTION 5: FIREFIGHTING MEASURES

5.1. Extinguishing media

Extinguishing media

Use: Carbon dioxide (CO₂). Dry chemicals. Water spray should be used to cool containers. Cool containers exposed to flames with water until well after the fire is out.

5.2. Special hazards arising from the substance or mixture

Unusual Fire & Explosion Hazards

Heat may cause the containers to explode.

5.3. Advice for firefighters

Special Fire Fighting Procedures

Avoid breathing fire vapours. Keep up-wind to avoid fumes.

Protective equipment for fire-fighters

Self contained breathing apparatus and full protective clothing must be worn in case of fire.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Warn everybody of potential hazards and evacuate if necessary.

6.2. Environmental precautions

Avoid discharge into drains, water courses or onto the ground. Spillages or uncontrolled discharges into watercourses must be IMMEDIATELY alerted to the Environmental Agency or other appropriate regulatory body. The product is flammable, and heating may generate vapours which may form explosive vapour/air mixtures.

6.3. Methods and material for containment and cleaning up

Absorb with inert, damp, non-combustible material, then flush area with water. Collect spillage in containers, seal securely and deliver for disposal according to local regulations.

6.4. Reference to other sections

Wear protective clothing as described in Section 8 of this safety data sheet. See section 11 for additional information on health hazards.

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SECTION 7: HANDLING AND STORAGE

7.1. Precautions for safe handling

Do not use in confined spaces without adequate ventilation and/or respirator. Ventilate well, avoid breathing vapours. Use approved respirator if air contamination is above accepted level. Ground container and transfer equipment to eliminate static electric sparks.

7.2. Conditions for safe storage, including any incompatibilities

Take precautionary measures against static discharges. Store in tightly closed original container in a dry, cool and well-ventilated place. Avoid heat, flames and other sources of ignition.

7.3. 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

Name	STD	TWA - 8 Hrs		STEL - 15 Min		Notes
METHYL METHACRYLATE	WEL	50 ppm	208 mg/m3	100 ppm	416 mg/m3	

WEL = Workplace Exposure Limit.

Ingredient Comments

WEL = Workplace Exposure Limits

8.2. Exposure controls

Protective equipment



Process conditions

Use engineering controls to reduce air contamination to permissible exposure level. Provide eyewash, quick drench.

Engineering measures

Provide adequate ventilation.

Respiratory equipment

At work in confined or poorly ventilated spaces, respiratory protection with air supply must be used. Chemical respirator with organic vapour cartridge.

Hand protection

Use suitable protective gloves if risk of skin contact. The most suitable glove must be chosen in consultation with the gloves supplier, who can inform about the breakthrough time of the glove material.

Eye protection

Wear approved safety goggles.

Hygiene measures

Wash contaminated clothing before reuse. Wash hands at the end of each work shift and before eating, smoking and using the toilet.

When using do not eat, drink or smoke. Avoid heat, flames and other sources of ignition.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Appearance	Paste
Colour	White / off-white.
Odour	Slightly pungent odour.
Initial boiling point and boiling range (°C)	100.5
Melting point (°C)	-47.7
Relative density	0.93-1.05

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Vapour density (air=1)	3.5
Vapour pressure	28 mm Hg 20
Evaporation rate	3 (Butyl Acetate =1)
Flash point (°C)	10 TCC (Tag closed cup).
Flammability Limit - Lower(%)	2.1
Flammability Limit - Upper(%)	12.5

9.2. Other information

Volatile Organic Compound (VOC) 50 g/litre

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity

Strong oxidising substances. Organic peroxides/hydroperoxides. Inorganic nitrates. Strong reducing agents. Acids. Alkalis. Azo, diazo, hydrazine comps.

10.2. Chemical stability

Unstable.

10.3. Possibility of hazardous reactions

Not available.

Hazardous Polymerisation

May polymerise.

10.4. 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. Protect from freezing and direct sunlight.

10.5. Incompatible materials

Materials To Avoid

Strong oxidising substances. Inorganic peroxides. Organic peroxides/hydroperoxides. Inorganic nitrates. Strong reducing agents. Strong acids. Bases, alkalis (inorganic). Bases, alkalis (organic). Azo, diazo, hydrazine comps. Copper. Iron. Non-metallic halogen. Other halogenated organics.

10.6. Hazardous decomposition products

Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Inhalation

Vapours may irritate throat and respiratory system and cause headache, dizziness and dullness. Vapour may irritate respiratory system or lungs. Prolonged inhalation of high concentrations may damage respiratory system. May cause sensitisation by inhalation.

Ingestion

May cause stomach pain or vomiting. May cause internal injury. May cause nausea, headache, dizziness and intoxication.

Skin contact

Irritating to skin. Repeated exposure may cause skin dryness or cracking. May cause sensitisation by skin contact. The product contains a small amount of sensitising substance which may provoke an allergic reaction among sensitive individuals after repeated contact.

Eye contact

Irritating to eyes. Irritation, burning, lachrymation, blurred vision after liquid splash.

Health Warnings

Irritating to skin. Irritating to eyes. Prolonged or repeated exposure may cause severe irritation. May cause sensitisation by skin contact. May cause sensitisation by inhalation.

Route of entry

Inhalation. Skin absorption. Ingestion. Skin and/or eye contact.

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Target Organs

Eyes Skin Respiratory system, lungs DIGESTIVE SYSTEM. Liver Kidneys Irritation of nose, throat and airway.

Medical Considerations

Chronic respiratory and obstructive airway diseases. Skin disorders and allergies.

Toxicological information on ingredients.

CHLOROSULFONATED POLYETHYLENE (CAS: 68037-39-8)

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity

Avoid release to the environment.

12.1. Toxicity

Acute Fish Toxicity

Very toxic to aquatic organisms.

12.2. Persistence and degradability

Degradability

The degradability of the product has not been stated.

12.3. Bioaccumulative potential

Bioaccumulative potential

No data available on bioaccumulation.

12.4. Mobility in soil

Mobility:

Avoid discharge into drains, water courses or onto the ground.

12.5. Results of PBT and vPvB assessment

This product does not contain any PBT or vPvB substances.

12.6. Other adverse effects

Not available.

SECTION 13: DISPOSAL CONSIDERATIONS

General information

When handling waste, consideration should be made to the safety precautions applying to handling of the product. Waste is classified as hazardous waste. Disposal to licensed waste disposal site in accordance with the local Waste Disposal Authority.

13.1. Waste treatment methods

Dispose of waste and residues in accordance with local authority requirements.

SECTION 14: TRANSPORT INFORMATION

General

No other information noted.

14.1. UN number

UN No. (ADR/RID/ADN) 1133

UN No. (IMDG) 1133

UN No. (ICAO) 1133

14.2. UN proper shipping name

Proper Shipping Name ADHESIVES

Proper Shipping Name ADHESIVES

14.3. Transport hazard class(es)

ADR/RID/ADN Class 3

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ADR/RID/ADN Class	Class 3: Flammable liquids.
ADR Label No.	3
IMDG Class	3
ICAO Class/Division	3
Transport Labels	



14.4. Packing group

ADR/RID/ADN Packing group	II
IMDG Packing group	II
ICAO Packing group	II

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 No. (ADR)	33

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

No information required.

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, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006 with amendments.

15.2. Chemical Safety Assessment

No chemical safety assessment has been carried out.

SECTION 16: OTHER INFORMATION

Revision Date	25/06/2014
Revision	10
Supersedes date	23/11/2011
Date	25-06-2014

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Risk Phrases In Full

R22	Harmful if swallowed.
R11	Highly flammable
R36/38	Irritating to eyes and skin.
R36/37/38	Irritating to eyes, respiratory system and skin.
R37/38	Irritating to respiratory system and skin.
R42/43	May cause sensitisation by inhalation and skin contact.
R43	May cause sensitisation by skin contact.
R50/53	Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Hazard Statements In Full

H225	Highly flammable liquid and vapour.
H302	Harmful if swallowed.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H334	May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H335	May cause respiratory irritation.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.

Disclaimer

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.