



SAFETY DATA SHEET POLYESTER ACRYLATE IN TMPEOTA

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

1.1. Product identifier

Product name POLYESTER ACRYLATE IN TMPEOTA
Product number 48160
Synonyms; trade names ELITE UVP6338

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

Identified uses Adhesive. Sealant. inks Surface coating Laboratory reagent.

1.3. Details of the supplier of the safety data sheet

Supplier Univar
Aquarius House
6 Mid Point Business Park
Bradford
BD3 7AY
+44 1274 267300
+44 1274 267306
sds@univar.com

1.4. Emergency telephone number

Emergency telephone SGS - +32 (0)3 575 55 55 (24h)
Sds No. 48160

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification (EC 1272/2008)

Physical hazards Not Classified
Health hazards Eye Irrit. 2 - H319 Skin Sens. 1 - H317
Environmental hazards Not Classified

2.2. Label elements

Pictogram



Signal word Warning
Hazard statements H317 May cause an allergic skin reaction.
H319 Causes serious eye irritation.

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Precautionary statements

P272 Contaminated work clothing should not be allowed out of the workplace.
 P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.
 P302+P352 IF ON SKIN: Wash with plenty of water.
 P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 P362+P364 Take off contaminated clothing and wash it before reuse.
 P501 Dispose of contents/ container in accordance with national regulations.

Contains

ETHOXYLATED TRIMETHYLOLPROPANE TRIACRYLATE, 2-HYDROXYETHYL ACRYLATE

2.3. Other hazards

No information available.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

ETHOXYLATED TRIMETHYLOLPROPANE TRIACRYLATE			30-60%
CAS number: 28961-43-5	EC number: 500-066-5	REACH registration number: 01-2119489900-30-XXXX	
Classification Eye Irrit. 2 - H319 Skin Sens. 1B - H317			
2-HYDROXYETHYL ACRYLATE			<1%
CAS number: 818-61-1	EC number: 212-454-9	M factor (Acute) = 1	
Classification Acute Tox. 3 - H311 Skin Corr. 1B - H314 Eye Dam. 1 - H318 Skin Sens. 1 - H317 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

Inhalation Move affected person to fresh air at once. Rinse nose and mouth with water. Get medical attention if any discomfort continues.

Ingestion Never give anything by mouth to an unconscious person. Do not induce vomiting. Rinse mouth thoroughly with water. Get medical attention if any discomfort continues.

Skin contact Remove affected person from source of contamination. Remove contaminated clothing. Wash skin thoroughly with soap and water. Get medical attention if irritation persists after washing.

Eye contact Remove affected person from source of contamination. Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes and get medical attention.

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

Skin contact May cause an allergic skin reaction.

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Eye contact Causes serious eye irritation.

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

Notes for the doctor Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media Extinguish with alcohol-resistant foam, carbon dioxide, dry powder or water fog.

5.2. Special hazards arising from the substance or mixture

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

5.3. Advice for firefighters

Protective actions during firefighting Cool containers exposed to heat with water spray and remove them from the fire area if it can be done without risk. Contain and collect extinguishing water.

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 Wear protective clothing as described in Section 8 of this safety data sheet. Avoid inhalation of vapours and contact with skin and eyes. Take precautionary measures against static discharges. Provide adequate ventilation.

6.2. Environmental precautions

Environmental precautions Do not discharge into drains or watercourses or onto the ground. 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 inert, damp, non-combustible material. Collect and place in suitable waste disposal containers and seal securely.

6.4. Reference to other sections

Reference to other sections For personal protection, see Section 8.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Usage precautions Avoid spilling. Static electricity and formation of sparks must be prevented. Keep away from heat, sparks and open flame. Provide adequate ventilation. Avoid contact with skin and eyes.

Advice on general occupational hygiene Wash after use and before eating, smoking and using the toilet. Do not eat, drink or smoke when using this product. Remove contaminated clothing and protective equipment before entering eating areas. Take off immediately all contaminated clothing and wash it before reuse. Provide eyewash station and safety shower.

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. Protect from freezing and direct sunlight. Store at temperatures above 0°C.

Storage class Chemical storage.

7.3. Specific end use(s)

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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

8.2. Exposure controls

Protective equipment



Appropriate engineering controls

Provide adequate ventilation. Avoid inhalation of vapours. Observe any occupational exposure limits for the product or ingredients. Provide eyewash station and safety shower.

Eye/face protection

Eyewear complying with an approved standard should be worn if a risk assessment indicates eye contact is possible. Unless the assessment indicates a higher degree of protection is required, the following protection should be worn: Wear chemical splash goggles. Personal protective equipment for eye and face protection should comply with European Standard EN166.

Hand protection

Chemical-resistant, impervious gloves complying with an approved standard should be worn if a risk assessment indicates skin contact is possible. The most suitable glove should be chosen in consultation with the glove supplier/manufacture, who can provide information about the breakthrough time of the glove material. Nitrile rubber. The selected gloves should have a breakthrough time of at least 8 hours. To protect hands from chemicals, gloves should comply with European Standard EN374.

Other skin and body protection

Wear appropriate clothing to prevent any possibility of skin contact.

Hygiene measures

Wash after use and before eating, smoking and using the toilet. When using do not eat, drink or smoke. Remove contaminated clothing and protective equipment before entering eating areas. Take off immediately all contaminated clothing and wash it before reuse.

Respiratory protection

No specific recommendations. Respiratory protection may be required if excessive airborne contamination occurs. EN 136/140/141/145/143/149

SECTION 9: Physical and Chemical Properties

9.1. Information on basic physical and chemical properties

Appearance	Liquid.
Colour	Light (or pale). Green. Grey.
Odour	Odourless.
Odour threshold	No information available.
pH	No information available.
Melting point	No information available.
Initial boiling point and range	> 35°C @ 101.3 kPa
Flash point	> 93°C
Evaporation rate	No information available.
Evaporation factor	No information available.
Flammability (solid, gas)	No information available.

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Upper/lower flammability or explosive limits	No information available.
Other flammability	No information available.
Vapour pressure	No information available.
Vapour density	No information available.
Relative density	1.17 @ 25°C
Bulk density	No information available.
Solubility(ies)	Insoluble in water. Soluble in the following materials: Organic solvents.
Partition coefficient	No information available.
Auto-ignition temperature	No information available.
Decomposition Temperature	No information available.
Viscosity	No information available.
Explosive properties	No information available.
Explosive under the influence of a flame	No information available.
Oxidising properties	No information available.

9.2. Other information

Volatile organic compound	This product contains a maximum VOC content of 0 g/l.
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SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity	Does not decompose when used and stored as recommended.
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10.2. Chemical stability

Stability	Stable at normal ambient temperatures and when used as recommended.
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10.3. Possibility of hazardous reactions

Possibility of hazardous reactions	May polymerise.
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10.4. Conditions to avoid

Conditions to avoid	Avoid excessive heat for prolonged periods of time.
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10.5. Incompatible materials

Materials to avoid	Strong alkalis. Strong reducing agents. Strong oxidising agents. Strong acids.
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10.6. Hazardous decomposition products

Hazardous decomposition products	Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours.
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SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity - dermal

ATE dermal (mg/kg)	300,000.0
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Skin corrosion/irritation

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Animal data No information available.

Serious eye damage/irritation

Serious eye damage/irritation No information available.

Respiratory sensitisation

Respiratory sensitisation No information available.

Skin sensitisation

Skin sensitisation No information available.

Germ cell mutagenicity

Genotoxicity - in vitro No information available.

Carcinogenicity

Carcinogenicity No information available.

Reproductive toxicity

Reproductive toxicity - fertility No information available.

Specific target organ toxicity - single exposure

STOT - single exposure No information available.

Specific target organ toxicity - repeated exposure

STOT - repeated exposure No information available.

Aspiration hazard

Aspiration hazard No information available.

Inhalation Gas or vapour in high concentrations may irritate the respiratory system.

Ingestion The product irritates mucous membranes and may cause abdominal discomfort if swallowed.

Skin contact May cause an allergic skin reaction.

Eye contact Causes serious eye irritation.

Toxicological information on ingredients.

ETHOXYLATED TRIMETHYLOLPROPANE TRIACRYLATE

Serious eye damage/irritation

Serious eye damage/irritation Irritating.

Skin sensitisation

Skin sensitisation - Guinea pig: Sensitising.

Germ cell mutagenicity

Genotoxicity - in vivo Does not contain any substances known to be mutagenic.

Carcinogenicity

Carcinogenicity Data lacking.

Reproductive toxicity

Reproductive toxicity - development Does not contain any substances known to be toxic to reproduction.

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Inhalation	May cause respiratory system irritation.
Ingestion	May cause stomach pain or vomiting.
Skin contact	May cause sensitisation by skin contact.
Eye contact	Irritating to eyes.

2-HYDROXYETHYL ACRYLATE

Acute toxicity - oral

Notes (oral LD ₅₀)	LD ₅₀ 540-1070 mg/kg, Oral, Rat
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Acute toxicity - dermal

ATE dermal (mg/kg)	300.0
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Acute toxicity - inhalation

Acute toxicity inhalation (LC ₅₀ vapours mg/l)	1.87
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Species	Rat
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Skin corrosion/irritation

Animal data	Corrosive.
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Serious eye damage/irritation

Serious eye damage/irritation	Causes serious eye damage.
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Respiratory sensitisation

Respiratory sensitisation	Data lacking.
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Skin sensitisation

Skin sensitisation	Sensitising. Local Lymph Node Assay (LLNA) Mouse OECD 429
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Germ cell mutagenicity

Genotoxicity - in vitro	Data lacking.
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Carcinogenicity

Carcinogenicity	Data lacking.
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Reproductive toxicity

Reproductive toxicity - fertility	Data lacking.
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Specific target organ toxicity - single exposure

STOT - single exposure	Data lacking.
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Specific target organ toxicity - repeated exposure

STOT - repeated exposure	Data lacking.
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Aspiration hazard

Aspiration hazard	Data lacking.
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Inhalation	Gas or vapour in high concentrations may irritate the respiratory system. Lung oedema.
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Ingestion	May cause burns in mucous membranes, throat, oesophagus and stomach.
Skin contact	Toxic in contact with skin. Causes severe burns. May cause an allergic skin reaction.
Eye contact	Causes serious eye damage.

SECTION 12: Ecological Information

Ecological information on ingredients.

ETHOXYLATED TRIMETHYLOLPROPANE TRIACRYLATE

Ecotoxicity	The product components are not classified as environmentally hazardous. However, large or frequent spills may have hazardous effects on the environment.
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2-HYDROXYETHYL ACRYLATE

Ecotoxicity	Very toxic to aquatic life.
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12.1. Toxicity

Toxicity	No information available.
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Ecological information on ingredients.

2-HYDROXYETHYL ACRYLATE

Acute aquatic toxicity

LE(C) ₅₀	0.1 < L(E)C ₅₀ ≤ 1
M factor (Acute)	1
Acute toxicity - fish	LC ₅₀ , 96 hours: 4.8 mg/l, Pimephales promelas (Fat-head Minnow)
Acute toxicity - aquatic invertebrates	EC ₅₀ , 48 hours: 0.78 mg/l, Daphnia magna

12.2. Persistence and degradability

Persistence and degradability	No information available.
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Ecological information on ingredients.

ETHOXYLATED TRIMETHYLOLPROPANE TRIACRYLATE

Persistence and degradability	The product is biodegradable.
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2-HYDROXYETHYL ACRYLATE

Persistence and degradability	The product is readily biodegradable.
Biodegradation	- 85%: 28 days OECD 301C

12.3. Bioaccumulative potential

Bioaccumulative potential	No information available.
Partition coefficient	No information available.

Ecological information on ingredients.

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ETHOXYLATED TRIMETHYLOLPROPANE TRIACRYLATE

Bioaccumulative potential The product is not bioaccumulating.

2-HYDROXYETHYL ACRYLATE

Bioaccumulative potential The product is not bioaccumulating.

Partition coefficient log Pow: -0.21

12.4. Mobility in soil

Mobility No information available.

Ecological information on ingredients.

ETHOXYLATED TRIMETHYLOLPROPANE TRIACRYLATE

Mobility The product has poor water-solubility.

2-HYDROXYETHYL ACRYLATE

Mobility No information available.

12.5. Results of PBT and vPvB assessment

Results of PBT and vPvB assessment No information available.

Ecological information on ingredients.

ETHOXYLATED TRIMETHYLOLPROPANE TRIACRYLATE

Results of PBT and vPvB assessment This substance is not classified as PBT or vPvB according to current EU criteria.

2-HYDROXYETHYL ACRYLATE

Results of PBT and vPvB assessment No information available.

12.6. Other adverse effects

Other adverse effects None known.

Ecological information on ingredients.

ETHOXYLATED TRIMETHYLOLPROPANE TRIACRYLATE

Other adverse effects None known.

2-HYDROXYETHYL ACRYLATE

Other adverse effects Not determined.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

General information Waste is classified as hazardous waste. Do not puncture or incinerate, even when empty.

Disposal methods Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

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SECTION 14: Transport information

General The product is not covered by international regulations on the transport of dangerous goods (IMDG, IATA, ADR/RID).

14.1. UN number

Not applicable.

14.2. UN proper shipping name

Not applicable.

14.3. Transport hazard class(es)

No transport warning sign required.

14.4. Packing group

Not applicable.

14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant

No.

14.6. Special precautions for user

Not applicable.

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

Transport in bulk according to Not applicable.

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 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) (as amended).

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).

Commission Regulation (EU) No 453/2010 of 20 May 2010.

15.2. Chemical safety assessment

Not applicable.

SECTION 16: Other information

Revision date 15/11/2017

Version number 2.000

Supersedes date 25/02/2016

SDS number 48160

SDS status Approved.

POLYESTER ACRYLATE IN TMPEOTA

Hazard statements in full

H311 Toxic in contact with skin.
H314 Causes severe skin burns and eye damage.
H317 May cause an allergic skin reaction.
H318 Causes serious eye damage.
H319 Causes serious eye irritation.
H400 Very toxic to aquatic life.

Signature

J Spenceley