

Safety data sheet
according to 1907/2006/EC, Article 31

Printing Date: 07.11.2019

Version Number: 1.0

Revision Date: 07.11.2019

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

1.1 Product identifier:

Trade name: TYTRO SL 500 PART A

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

Relevant identified uses of the substance or mixture: Waterproofing.

Identified uses advised against: No further relevant information available.

1.3 Details of the supplier of the safety data sheet:

Manufacturer/supplier:

GCP Applied Technologies (UK) Ltd
(formerly Stirling Lloyd Polychem Ltd)
Gateway
Gate Street
Dukinfield
SK16 4RU
UNITED KINGDOM

T : +44 (0)1565 633111 (Technical/Commercial enquiries)

F : +44 (0)1565 633555

Further information obtainable from: msds.gcp@gcpat.com

1.4 Emergency telephone number:

For Chemical Emergency: (Spill, Leak, Fire, Exposure or Accident) - Call CHEMTREC (Day/Night) on:

Within USA & Canada : 800-424-9300,
Outside USA & Canada : +1 703-741-5970

National emergency telephone number: CHEMTREC UK +(44)-870-8200418

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture:

Classification according to Regulation (EC) No 1272/2008

Eye Irrit. 2 H319 Causes serious eye irritation.

Skin Sens. 1 H317 May cause an allergic skin reaction.

STOT SE 3 H335 May cause respiratory irritation.

2.2 Label elements:

Labelling according to Regulation (EC) No 1272/2008 The product is classified and labelled according to the CLP regulation.

Hazard pictograms



GHS07

Signal word Warning

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Hazard-determining components of labelling:

methacrylic acid, monoester with propane-1,2-diol
Proprietary ingredient

Hazard statements

H319 Causes serious eye irritation.
H317 May cause an allergic skin reaction.
H335 May cause respiratory irritation.

Precautionary statements

P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
P280 Wear protective gloves / eye protection / face protection.
P302+P352 IF ON SKIN: Wash with plenty of water.
P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P333+P313 If skin irritation or rash occurs: Get medical advice/attention.

2.3 Other hazards:
Results of PBT and vPvB assessment:

PBT: Not applicable.
vPvB: Not applicable.

SECTION 3: Composition/information on ingredients

3.2 Chemical characterization: Mixture:
Description:

Mixture of substances listed below with non-hazardous additions.

For further information, please refer to the product technical data sheet.

Dangerous components:

CAS: 27813-02-1 EINECS: 248-666-3 Index number: 607-125-00-5	methacrylic acid, monoester with propane-1,2-diol Eye Irrit. 2, H319; Skin Sens. 1, H317	30-<50%
	Proprietary ingredient STOT SE 3, H335	20-<25%
CAS: 99-97-8 EINECS: 202-805-4 Index number: 612-056-00-9 Reg.nr.: 01-2119937766-23-XXXX	N,N-dimethyl-p-toluidine Acute Tox. 3, H301; Acute Tox. 3, H311; Acute Tox. 3, H331 STOT RE 2, H373 Aquatic Chronic 3, H412	0.1-<1%

SECTION 4: First aid measures

4.1 Description of first aid measures:

General information: Get medical advice/attention if you feel unwell.

After inhalation: IF INHALED: Remove person to fresh air and keep comfortable for breathing.

After skin contact: Wash with plenty of soap and water.

After eye contact: Rinse cautiously with water for several minutes.

After swallowing:

Rinse mouth.

Do NOT induce vomiting.

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

May cause sensitisation by skin contact.

Irritating to eyes.

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

No further relevant information available.

SECTION 5: Firefighting measures

5.1 Extinguishing media:

Suitable extinguishing agents: CO₂, powder or water spray. Fight larger fires with water spray.

5.2 Special hazards arising from the substance or mixture: No further relevant information available.

5.3 Advice for firefighters:

Protective equipment: Wear self-contained respiratory protective device.

Additional information: Collect contaminated fire fighting water separately. It must not enter the sewage system.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures:

Ensure adequate ventilation.

Wear protective equipment. Keep unprotected persons away.

6.2 Environmental precautions: Inform respective authorities in case of seepage into water course or sewage system.

6.3 Methods and material for containment and cleaning up: Send for recovery or disposal in suitable receptacles.

6.4 Reference to other sections

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

SECTION 7: Handling and storage

7.1 Precautions for safe handling:

Do not eat, drink or smoke when using this product.

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

Keep only in original packaging.

Use only outdoors or in a well-ventilated area.

Information about fire - and explosion protection: No special measures required.

7.2 Conditions for safe storage, including any incompatibilities:

STORAGE

Information about storage in one common storage facility: No special measures required.

Further information about storage conditions:

Keep container tightly sealed.

Protect from frost.

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Store in a dry place.

Keep cool.

7.3 Specific end use(s): No further relevant information available.

SECTION 8: Exposure controls/personal protection

Additional information about design of technical facilities: No further data; see item 7.

8.1 Control parameters:

Ingredients with limit values that require monitoring at the workplace:

DNELs		
27813-02-1 methacrylic acid, monoester with propane-1,2-diol		
Dermal	DNEL : Workers Industry	4.2 mg/kg/d
Inhalative	DNEL : Workers Industry	14.7 mg/m ³
PNECs		
27813-02-1 methacrylic acid, monoester with propane-1,2-diol		
PNEC sediment (FW)	6.28 mg/kg dw	
PNEC soil	0.727 mg/kg	
PNEC STP	10 mg/l	
PNEC freshwater	0.904 mg/l	

Additional information: Based on the lists valid at the date of SDS creation.

8.2 Exposure controls:

Appropriate engineering controls Local exhaust ventilation is recommended.

PERSONAL PROTECTIVE EQUIPMENT

General protective and hygienic measures: The usual precautionary measures are to be adhered to when handling chemicals.

Respiratory protection:

Atmospheric levels should be maintained below the occupational exposure limits. When atmospheric levels exceed those limits or are unknown, respiratory protection is required.

For spray applications in well ventilated areas, use an approved full-face air purifying respirator or a powered air purifying respirator equipped with an organic vapor sorbent filter (EU Type A, NIOSH Black, etc.) and particulate pre-filter (EU Type P2 or P3, NIOSH N95 or better, etc.). A supplied air respirator may also be used and is often the preferred option.

Where spray application in poorly ventilated areas is unavoidable, a supplied air respirator should be used.

Protection of hands:

Protective gloves.

EN 374.

Material of gloves:

Butyl rubber, BR.

Neoprene gloves.

Penetration time of glove material:

The exact breakthrough time has to be determined by the manufacturer of the protective gloves and has to be observed.

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Eye protection:

A face shield should also be worn if there is potential exposure to splash or spray.



Protective goggles.

Body protection:

Protective work clothing.

Take off contaminated clothing.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties:

GENERAL INFORMATION**Appearance:**

Form:	Liquid.
Colour:	Various.
Odour:	Characteristic.
Odour threshold:	Not determined.

pH-value (~): Not determined.

Change in conditions:-

Melting point/freezing point:	Undetermined.
Initial boiling point and boiling range:	~100 °C
Flash point:	>100 °C

Flammability (solid, gas): Not applicable.

Ignition temperature: ~430 °C

Decomposition temperature: Not determined.

Auto-ignition temperature: Not determined.

Explosive properties: Product does not present an explosion hazard.

EXPLOSION LIMITS

Lower:	Not determined.
Upper:	Not determined.
VOC Content:	Not determined.

Vapour pressure at 80 °C: 6.7 hPa

Density: Not determined.

Relative density: ~1.1

Vapour density: Not determined.

Evaporation rate: Not determined.

Solubility in/Miscibility with:-

Water: Not miscible or difficult to mix.

Partition coefficient: n-octanol/water: Not determined.

VISCOSITY

Dynamic: Not determined.

Kinematic: Not determined.

Molecular weight: Not applicable.

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9.2 Other information: No further relevant information available.

SECTION 10: Stability and reactivity

10.1 Reactivity: Will exothermically polymerise in the presence of initiators.

10.2 Chemical stability: Stable in the presence of inhibitor.

Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.

10.3 Possibility of hazardous reactions

Susceptible to polymerisation initiated by prolonged storage or the presence of catalyst.

10.4 Conditions to avoid: No further relevant information available.

10.5 Incompatible materials:

Polymerisation catalysts, such as peroxy or azo compounds, strong acids, alkalis and oxidising agents. Oxides and salts of transition metals. Organic Nitrogen containing compounds. Cyclohexanone/Cyclohexenol tautomer.

10.6 Hazardous decomposition products: Carbon monoxide and carbon dioxide.

SECTION 11: Toxicological information

11.1 Information on toxicological effects:

ACUTE TOXICITY Based on available data, the classification criteria are not met.

Primary irritant effect

Skin corrosion/irritation Based on available data, the classification criteria are not met.

Serious eye damage/irritation

Causes serious eye irritation.

Respiratory or skin sensitisation

May cause an allergic skin reaction.

Germ cell mutagenicity Based on available data, the classification criteria are not met.

Carcinogenicity Based on available data, the classification criteria are not met.

Reproductive toxicity Based on available data, the classification criteria are not met.

STOT-single exposure

May cause respiratory irritation.

STOT-repeated exposure Based on available data, the classification criteria are not met.

Aspiration hazard Based on available data, the classification criteria are not met.

SECTION 12: Ecological information

12.1 Toxicity:

AQUATIC TOXICITY No further relevant information available.

12.2 Persistence and degradability: No further relevant information available.

12.3 Bioaccumulative potential: No further relevant information available.

12.4 Mobility in soil: No further relevant information available.

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ADDITIONAL ECOLOGICAL INFORMATION**General notes:** Not known to be hazardous to water.**12.5 Results of PBT and vPvB assessment:****PBT:** Not applicable.**vPvB:** Not applicable.**12.6 Other adverse effects:** No further relevant information available.**SECTION 13: Disposal considerations****13.1 Waste treatment methods:****Recommendation:**

Must not be disposed together with household garbage. Do not allow product to reach sewage system.

UNCLEANED PACKAGING**Recommendation:** Disposal must be made according to official regulations.**SECTION 14: Transport information****14.1 UN-Number**

ADR, ADN, IMDG, IATA

Not Regulated

14.2 UN proper shipping name

ADR, ADN, IMDG, IATA

Not Regulated

14.3 Transport hazard class(es)

ADR, ADN, IMDG, IATA

Class

Not Regulated

14.4 Packing group

ADR, IMDG, IATA

Not Regulated

14.5 Environmental hazards:

Not applicable.

14.6 Special precautions for user:

Not applicable.

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

Not Regulated

SECTION 15: Regulatory information**15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture:**

See Section 2 for hazard identification.

Directive 2012/18/EU

Named dangerous substances - ANNEX I None of the ingredients is listed.

15.2 Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

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SECTION 16: Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

Relevant phrases:

H301 Toxic if swallowed.

H311 Toxic in contact with skin.

H317 May cause an allergic skin reaction.

H319 Causes serious eye irritation.

H331 Toxic if inhaled.

H335 May cause respiratory irritation.

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

H412 Harmful to aquatic life with long lasting effects.

Department issuing SDS:

Product Stewardship Department
GCP Applied Technologies
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