Safety Data Sheet
according to WHS Regulations

Printing Date: 23.09.2022 **Version Number: 1.0** **Revision Date: 23.09.2022**

1 Identification

Product identifier:

Trade name: ***PA1 Primer***

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.

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)
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De Neef Construction Chemicals BVBA
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2220 Heist-op-den-Berg,
Belgium.

Tel: +32 15 24 93 60
Fax: +32 15 24 80 72

GCP Australia Pty. Ltd.
14 Colebard Street West
Archerfield, Queensland 4108
Australia

Further information obtainable from:

Tel: 1800 334 444
Fax: +61 7-3275-7801

APMSDS@gcpat.com

Emergency telephone number: After hours - Tel. No. 1800 039 008

2 Hazard(s) Identification

Classification of the substance or mixture:

Flam. Liq. 2	H225	Highly flammable liquid and vapour.
Skin Irrit. 2	H315	Causes skin irritation.
Eye Irritation 2A	H319	Causes serious eye irritation.
Skin Sens. 1	H317	May cause an allergic skin reaction.
STOT SE 3	H335-H336	May cause respiratory irritation. May cause drowsiness or dizziness.

Label elements:

GHS label elements The product is classified and labelled according to the Globally Harmonized System (GHS).

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Hazard pictograms

GHS02 GHS07

Signal word Danger

Hazard-determining components of labelling:
Methyl methacrylate

Hazard statements
Highly flammable liquid and vapour.
Causes skin irritation.
Causes serious eye irritation.
May cause an allergic skin reaction.
May cause respiratory irritation. May cause drowsiness or dizziness.

Precautionary statements
Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
Ground and bond container and receiving equipment.
Use explosion-proof [electrical/ventilating/lighting] equipment.
Use non-sparking tools.
Take action to prevent static discharges.
Avoid breathing dust/fume/gas/mist/vapours/spray.
Wash thoroughly after handling.
Use only outdoors or in a well-ventilated area.
Contaminated work clothing should not be allowed out of the workplace.
Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.
IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].
IF INHALED: Remove person to fresh air and keep comfortable for breathing.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
Call a POISON CENTER/doctor if you feel unwell.
If skin irritation or rash occurs: Get medical advice/attention.
If eye irritation persists: Get medical advice/attention.
Take off contaminated clothing and wash it before reuse.
In case of fire: Use CO2, powder or water spray to extinguish.
Store in a well-ventilated place. Keep container tightly closed.
Store in a well-ventilated place. Keep cool.
Store locked up.
Dispose of contents/container in accordance with local/regional/national/international regulations.

Hazard description: Flammable

Other hazards:

Results of PBT and vPvB assessment:

PBT: Not applicable.
vPvB: Not applicable.

3 Composition and Information on Ingredients

Chemical characterization: Mixture:

Description: Mixture of substances listed below with non-hazardous additions.

Dangerous components:			
80-62-6	Methyl methacrylate	Flam. Liq. 2, H225 Skin Irrit. 2, H315; Skin Sens. 1, H317; STOT SE 3, H335	50-<100%
78-93-3	Methyl ethyl ketone	Flam. Liq. 2, H225 Eye Irritation 2A, H319; STOT SE 3, H335-H336 Acute Tox. 5, H313	20-<25%

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108-65-6	1-methoxy-2-propyl acetate	Flam. Liq. 3, H226	1-<3%
108-94-1	cyclohexanone	Flam. Liq. 3, H226 Acute Tox. 3, H311 Acute Tox. 4, H332	1-<3%

Additional information:
Ingredients determined not to be hazardous are present in concentrations that do not exceed the relevant cut-off concentrations as found from NOHSC publication 'List of Designated Hazardous Substances' or have been found NOT to meet the criteria of a hazardous substance as defined in the NOHSC publication 'Approved Criteria for Classifying Hazardous Substances'.

4 First Aid Measures

Description of first aid measures:

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

After inhalation: IF INHALED: Remove victim to fresh air and keep at rest in a position 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.

Information for doctor:

Most important symptoms and effects, both acute and delayed:

May cause sensitisation by skin contact.

Irritating to eyes.

Indication of any immediate medical attention and special treatment needed: No further relevant information available.

5 Fire Fighting Measures

Suitable extinguishing agents:

CO2, extinguishing powder or water spray. Fight larger fire with alcohol resistant foam.

For safety reasons unsuitable extinguishing agents: Water jet.

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

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.

6 Accidental Release Measures

Personal precautions, protective equipment and emergency procedures:

Ensure adequate ventilation.

Wear protective equipment. Keep unprotected persons away.

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

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

Reference to other sections

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

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See Section 13 for disposal information.

7 Handling and Storage

HANDLING

Precautions for safe handling:

Prevent formation of aerosols.

Flammable mixtures with air can be formed in emptied containers. Do not puncture, cut, drill, heat or weld uncleaned drums.

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

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

Keep only in original container.

Use only outdoors or in a well-ventilated area.

Information about fire - and explosion protection:

Keep ignition sources away - Do not smoke.

Protect against electrostatic charges.

Use explosion-proof apparatus / fittings and spark-proof tools.

Empty containers may retain hazardous residue, both liquid and vapour. Do not cut, drill, grind or weld on or near container, whether empty or full.

Ensure good interior ventilation, especially at floor level. (Fumes are heavier than air).

Ground/bond container and receiving equipment.

Conditions for safe storage, including any incompatibilities:

STORAGE
Requirements to be met by storerooms and receptacles: Store in a cool location.

Further information about storage conditions:

Keep container tightly sealed.

Protect from frost.

Store in a dry place.

Keep cool.

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

8 Exposure controls and personal protection

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

Control parameters:

Ingredients with limit values that require monitoring at the workplace:	
80-62-6 Methyl methacrylate	
WES (Australia)	Short-term value: 416 mg/m³, 100 ppm Long-term value: 208 mg/m³, 50 ppm Sen
WEL (Great Britain)	Short-term value: 416 mg/m³, 100 ppm Long-term value: 208 mg/m³, 50 ppm
PEL (USA)	Long-term value: 410 mg/m³, 100 ppm
REL (USA)	Long-term value: 410 mg/m³, 100 ppm
TLV (USA)	Short-term value: 100 ppm Long-term value: 50 ppm DSEN, A4

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78-93-3 Methyl ethyl ketone	
WES (Australia)	Short-term value: 890 mg/m³, 300 ppm Long-term value: 445 mg/m³, 150 ppm
WEL (Great Britain)	Short-term value: 899 mg/m³, 300 ppm Long-term value: 600 mg/m³, 200 ppm Sk, BMGV
PEL (USA)	Long-term value: 590 mg/m³, 200 ppm
REL (USA)	Short-term value: 885 mg/m³, 300 ppm Long-term value: 590 mg/m³, 200 ppm
TLV (USA)	Short-term value: 300 ppm Long-term value: 200 ppm BEI
108-65-6 1-methoxy-2-propyl acetate	
WES (Australia)	Short-term value: 548 mg/m³, 100 ppm Long-term value: 274 mg/m³, 50 ppm Sk
WEL (Great Britain)	Short-term value: 548 mg/m³, 100 ppm Long-term value: 274 mg/m³, 50 ppm Sk
WEEL (USA)	Long-term value: 50 ppm
108-94-1 cyclohexanone	
WES (Australia)	Long-term value: 100 mg/m³, 25 ppm Sk
WEL (Great Britain)	Short-term value: 82 mg/m³, 20 ppm Long-term value: 41 mg/m³, 10 ppm Sk, BMGV
PEL (USA)	Long-term value: 200 mg/m³, 50 ppm
REL (USA)	Long-term value: 100 mg/m³, 25 ppm Skin
TLV (USA)	Short-term value: 50 ppm Long-term value: 20 ppm Skin, BEI, A3

Ingredients with biological limit values:	
78-93-3 Methyl ethyl ketone	
BMGV (Great Britain)	70 µmol/L Medium: urine Sampling time: post shift Parameter: butan-2-one
BEI (USA)	2 mg/L Medium: urine Time: end of shift Parameter: Methyl ethyl ketone (nonspecific)
108-94-1 cyclohexanone	
BMGV (Great Britain)	2 mmol/mol creatinine Medium: urine Sampling time: post shift Parameter: cyclohexanol
BEI (USA)	80 mg/L Medium: urine Time: end of shift at end of workweek Parameter: 1.2-Cyclohexanediol (with hydrolysis, nonspecific, nonquantitative) 8 mg/L Medium: urine Time: end of shift Parameter: Cyclohexanol (with hydrolysis, nonspecific, nonquantitative)

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

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Exposure controls:

PERSONAL PROTECTIVE EQUIPMENT

General protective and hygienic measures:

The usual precautionary measures are to be adhered to when handling chemicals.

Respiratory protection:

Control exposure to ingredients with workplace control parameters if mentioned above. If no ingredients are listed, respiratory protection is generally not required.

If exposure limits are listed and may be exceeded, use approved respiratory protective equipment and filter type appropriate for the listed ingredients. (NIOSH, CEN, etc.).

Protection of hands: Protective gloves.

Material of gloves: Rubber 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.

Eye protection:

Safety glasses with side shield protection.

Body protection:

Use personal protective equipment as required.

Take off contaminated clothing and wash before reuse.

9 Physical and Chemical Properties

Information on basic physical and chemical properties:

GENERAL INFORMATION	
Appearance:	
Form:	Liquid.
Colour:	According to product specification.
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:	~11 °C
Flammability (solid, gas):	Highly flammable.
Ignition temperature:	~430 °C
Decomposition temperature:	Not determined.
Auto-ignition temperature:	Not determined.
Explosive properties:	In use, may form flammable/explosive vapour-air mixture.
EXPLOSION LIMITS	
Lower:	2 Vol %
Upper:	13 Vol %
Vapour pressure:	Not determined.
Density:	Not determined.
Relative density:	~1.00
Vapour density:	Not determined.
Evaporation rate:	Not determined.

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Solubility in/Miscibility with:-	
Water:	Not miscible or difficult to mix.
Partition coefficient: n-octanol/water:	Not determined.
VISCOSITY	
Dynamic at 20 °C:	0.3-0.5 mPas
Kinematic:	Not determined.
SOLVENT CONTENT	
VOC (EC):	80.00 %
Molecular weight	Not determined.
Other information:	No further relevant information available.

10 Stability and Reactivity

Reactivity: Will exothermically polymerise in the presence of initiators.

Chemical stability: Stable in the presence of inhibitor.

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

Possibility of hazardous reactions

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

Conditions to avoid: Keep away from heat/sparks/open flames/hot surfaces. No smoking.

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.

Hazardous decomposition products: Carbon monoxide and carbon dioxide

11 Toxicological Information

Information on toxicological effects:

ACUTE TOXICITY

LD/LC50 values relevant for classification:		
78-93-3 Methyl ethyl ketone		
Dermal	LD50	2,800-5,600 mg/kg (rat)
	LD50	5,000-13,000 mg/kg (rabbit)
Inhalative	LC50, 4h	34.5 mg/l (rat)
108-65-6 1-methoxy-2-propyl acetate		
Oral	LD50	8,532 mg/kg (rat)
Dermal	LD50	8,500 mg/kg (rat)
Inhalative	LD50	>5,000 mg/kg (rat) ((cutaneous))
	LC50, 4h	35.7 mg/l (rat)
	CL50, 4h	35,700 mg/m³ (rat)
108-94-1 cyclohexanone		
Dermal	LD50	1,900 mg/kg (rat)
	LD50	948 mg/kg (rabbit)
Inhalative	LC50, 4h	8,000 mg/l (rat)

Primary irritant effect

Skin corrosion/irritation Causes skin irritation.

Serious eye damage/irritation Causes serious eye irritation.

Respiratory or skin sensitisation Sensitisation possible through skin contact.

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Other information :
The product was classified according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version.

12 Ecological Information

Toxicity:

AQUATIC TOXICITY	
108-65-6 1-methoxy-2-propyl acetate	
CL50, 96h	>100 mg/l (fish) ((OECD 203))
CE50, 48h	408 mg/l (daphnia magna) ((OECD 202))
CE50, 72h	>1,000 mg/l (algae) ((OECD 201))

Persistence and degradability: No further relevant information available.

BEHAVIOUR IN ENVIRONMENTAL SYSTEMS

Bioaccumulative potential: No further relevant information available.

Mobility in soil: No further relevant information available.

ADDITIONAL ECOLOGICAL INFORMATION

General notes: Not known to be hazardous to water.

Results of PBT and vPvB assessment:

PBT: Not applicable.
vPvB: Not applicable.

Other adverse effects: No further relevant information available.

13 Disposal considerations

Waste treatment methods:

Recommendation:

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

Refer to State Land Waste Authority for disposal considerations.

UNCLEANED PACKAGING

Recommendation: Disposal must be made according to official regulations.

14 Transport information

UN-Number
ADG, IMDG, IATA UN1866

UN proper shipping name
ADG, IMDG, IATA RESIN SOLUTION

Transport hazard class(es)

ADG, IMDG, IATA

Class 3 Flammable liquids.

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Label	3
Packing group **ADG, IMDG, IATA**	II
Environmental hazards:	Not applicable.
Special precautions for user: **Hazard identification number (Kemler code):** **EMS Number:** **Stowage Category**	Warning: Flammable liquids. 33 F-E,S-E B
Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code:	Not Regulated
Transport/Additional information:	
ADG **Limited quantities (LQ)** **Excepted quantities (EQ)** **Transport category** **Tunnel restriction code**	 5L Code: E2 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 500 ml 2 D/E
IMDG **Limited quantities (LQ)** **Excepted quantities (EQ)**	 5L Code: E2 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 500 ml
UN "Model Regulation":	UN 1866 RESIN SOLUTION, 3, II

15 Regulatory information

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

See Section 2 for hazard identification.

Australia: Priority Existing Chemicals
None of the ingredients is listed.

National regulations:

Other regulations, limitations and prohibitive regulations: All ingredients are listed on AICS.

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

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:
H225 Highly flammable liquid and vapour.
H226 Flammable liquid and vapour.
H311 Toxic in contact with skin.
H313 May be harmful in contact with skin.
H315 Causes skin irritation.
H317 May cause an allergic skin reaction.
H319 Causes serious eye irritation.
H332 Harmful if inhaled.
H335 May cause respiratory irritation.
H336 May cause drowsiness or dizziness.

Department issuing SDS:

EHS Department,
Asia Pacific Region

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Contact:

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