

## 1 Identification

### Product identifier

Trade name: **PAR1 Primer**

### Other means of identification

SDS ID Number: 80011

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

Specialty construction product. Not intended for other uses.

Relevant identified uses of the substance or mixture: Waterproofing

Identified uses advised against:

### 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  
Industriepark 8,  
2220 Heist-op-den-Berg,  
Belgium.

Tel: +32 15 24 93 60

Fax: +32 15 24 80 72

## 2 Hazard(s) identification

### Classification of the substance or mixture

Flammable liquids 2	Highly flammable liquid and vapor.
Skin irritation 2	Causes skin irritation.
Sensitization - skin 1	May cause an allergic skin reaction.
Carcinogenicity 2	Suspected of causing cancer.
Specific target organ toxicity (single exposure) 3	May cause respiratory irritation.

**Label elements:** The product is classified and labeled according to the Globally Harmonized System (GHS)

### Hazard pictograms



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**Signal word** Danger**Hazard statements**

Highly flammable liquid and vapor.  
 Causes skin irritation.  
 May cause an allergic skin reaction.  
 Suspected of causing cancer.  
 May cause respiratory irritation.

**Precautionary statements**

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
 Take action to prevent static discharge.  
 Avoid breathing dust/fume/gas/mist/vapors/spray  
 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 exposed or concerned: Get medical advice/attention.  
 Call a poison center/doctor if you feel unwell.  
 If skin irritation or rash occurs: Get medical advice/attention.  
 Take off contaminated clothing and wash it before reuse.

**Hazard description:** Flammable**Hazard Classification:****NFPA ratings (scale 0 - 4)**

Health = 2  
 Fire = 3  
 Reactivity = 0

**HMIS-ratings (scale 0 - 4)**

Health = \*2  
 Flammability = 3  
 Reactivity = 0

**Other hazards****Results of PBT and vPvB assessment**

**PBT:** Not applicable.  
**vPvB:** Not applicable.

**3 Composition/information on ingredients****Chemical characterization: Mixture****Description:** Mixture of the hazardous substance(s) listed below with additional nonhazardous ingredients.

<b>Hazardous components:</b>		
80-62-6	Methyl methacrylate	50-<60%
97-88-1	n-butyl methacrylate	5-<7.5%
99-97-8	N,N-dimethyl-p-toluidine	0.1-<1%

**Additional information:** Non-hazardous ingredients may be listed in Section 15; Right-To-Know disclosure.**4 First-aid measures****Description of first aid measures****General information:** Get medical advice/attention if you feel unwell.

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**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.

**Most important symptoms and effects, both acute and delayed** Allergic reactions

**Indication of any immediate medical attention and special treatment needed**

No further relevant information available.

## 5 Fire-fighting measures

### Extinguishing media

**Suitable extinguishing agents:**

CO<sub>2</sub>, extinguishing powder or water spray. Fight larger fire with alcohol resistant foam.

**For safety reasons unsuitable extinguishing agents:** Water with full 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.

See Section 13 for disposal information.

## 7 Handling and storage

### 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.

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Keep only in original packaging.

Use only outdoors or in a well-ventilated area.

**Information about protection against explosions and fires:**

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 vapor.

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.

**Information about storage in one common storage facility:** Keep respirator available.

**Further information about storage conditions:**

Keep receptacle tightly sealed.

Protect from frost.

Store in a dry place.

Keep cool.

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

**8 Exposure controls/personal protection****Control parameters****Components with limit values that require monitoring at the workplace:****80-62-6 Methyl methacrylate**

EL (Canada)	Short-term value: 100 ppm Long-term value: 50 ppm S(D)
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EV (Canada)	Short-term value: 100 ppm Long-term value: 50 ppm
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PEL (USA)	Long-term value: 410 mg/m <sup>3</sup> , 100 ppm
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REL (USA)	Long-term value: 410 mg/m <sup>3</sup> , 100 ppm
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TLV (USA)	Short-term value: 100 ppm Long-term value: 50 ppm DSEN, A4
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**97-88-1 n-butyl methacrylate**

EL (Canada)	Long-term value: 50 ppm
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**99-97-8 N,N-dimethyl-p-toluidine**

EL (Canada)	IARC 2B
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WEEL (USA)	Long-term value: 0.5 ppm
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**Additional information:**

The lists that were valid during the creation were used as basis.

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Canadian employers must consult the exposure limits in their province.

**Exposure controls**

**Appropriate engineering controls** No further data; see section 7.

**Personal protective equipment:**

**General protective and hygienic measures:**

The usual precautionary measures for handling chemicals should be followed.

**Breathing equipment:**

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**

**Penetration time of glove material**

The exact break through time has to be found out 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.

**9 Physical and chemical properties****Information on basic physical and chemical properties****General Information**

<b>Physical state</b>	Liquid
<b>Color:</b>	Straw.
<b>Odor:</b>	Characteristic
<b>Odor threshold:</b>	Not determined.
<b>Melting point/Freezing point:</b>	Undetermined.
<b>Boiling point/Boiling range:</b>	~100 °C (~212 °F)
<b>Flammability:</b>	Highly flammable.
<b>Lower:</b>	2 Vol %
<b>Upper:</b>	13 Vol %
<b>Flash point:</b>	~12 °C (~53.6 °F)
<b>Method:</b>	
<b>Auto igniting:</b>	~430 °C (~806 °F)
<b>Decomposition temperature:</b>	Not determined.
<b>pH-value (~):</b>	Not determined.
<b>Viscosity:</b>	
<b>Kinematic:</b>	Not determined.
<b>Dynamic:</b>	Not determined.

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**Solubility in / Miscibility with**

<b>Water:</b>	Not miscible or difficult to mix.
<b>Partition coefficient (n-octanol/water):</b>	Not determined.
<b>Vapor pressure:</b>	Not determined.
<b>Vapor pressure:</b>	
<b>Density: (~)</b>	Not determined.
<b>Relative density</b>	~1.0
<b>Vapor density</b>	Not determined.
<b>Particle characteristics</b>	Not applicable.

**Other information**

<b>Appearance:</b>	
<b>Form:</b>	Liquid
<b>Important information on protection of health and environment, and on safety.</b>	
<b>Ignition temperature:</b>	Not determined.
<b>Danger of explosion:</b>	In use, may form flammable/explosive vapor-air mixture.
<b>Change in condition</b>	
<b>Evaporation rate</b>	Not determined.
<b>Molecular weight</b>	Not determined.

**10 Stability and reactivity**

**Reactivity** Will exothermically polymerize in the presence of initiators.

**Chemical stability** Stable in the presence of inhibitor.

**Thermal decomposition:** No decomposition if used according to specifications.

**Possibility of hazardous reactions**

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

**Conditions to avoid**

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

**Incompatible materials:**

Polymerization catalysts, such as peroxy or azo compounds, strong acids, alkalis and oxidizing 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:****97-88-1 n-butyl methacrylate**

Dermal	LD50	22,600 mg/kg (rat)
	LD50	11,300 mg/kg (rabbit)
Inhalation	LC50, 4h	4,910 mg/l (rat)

**Primary irritant effect:**

**on the skin:** Causes skin irritation.

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**on the eye:** No irritating effect expected**inhalation:** May cause respiratory irritation.**Sensitization:** May cause an allergic skin reaction.**Additional toxicological information:** Suspected of causing cancer.**Carcinogenic categories****IARC (International Agency for Research on Cancer) Human Carcinogenicity:**  
**Group 1- Positive, Group 2A- Probable, Group 2B- Possible, Group 3- Not Classifiable**

80-62-6	Methyl methacrylate	3
97-88-1	n-butyl methacrylate	2B
99-97-8	N,N-dimethyl-p-toluidine	2B

**NTP (National Toxicology Program)****K–Known to be carcinogenic, R–May reasonably be anticipated to be carcinogenic**

None of the ingredients are listed.

**OSHA-Ca (Occupational Safety & Health Administration)**

None of the ingredients are listed.

**12 Ecological information****Toxicity****Aquatic toxicity:** No further relevant information available.**Persistence and degradability** No further relevant information available.**Bioaccumulative potential** No further relevant information available.**Mobility in soil** No further relevant information available.**Results of PBT and vPvB assessment****PBT:** Not applicable.**vPvB:** Not applicable.**Additional ecological information:****General notes:** Not known to be hazardous to water.**13 Disposal considerations****Disposal methods:****Recommendation:**

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

**Uncleaned packagings:****Recommendation:**

Dispose of contents/container in accordance with local/regional/national/international regulations.

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**14 Transport information**

<b>UN-Number</b> DOT, IMDG, IATA	UN1866
<b>UN proper shipping name</b> DOT IMDG, IATA	Resin solution RESIN SOLUTION
<b>Transport hazard class(es)</b> DOT	
	
<b>Class</b> <b>Label</b>	3 Flammable liquids 3
<b>IMDG, IATA</b>	
	
<b>Class</b> <b>Label</b>	3 Flammable liquids 3
<b>Packing group</b> DOT, IMDG, IATA	II
<b>Environmental hazards:</b>	Not applicable.
<b>Transport/Additional information:</b>	
<b>IMDG</b> 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
<b>Special precautions for user</b> Hazard identification number (Kemler code): EMS Number: Stowage Category	Warning: Flammable liquids 33 F-E, <u>S</u> -E B
<b>UN "Model Regulation":</b>	UN 1866 RESIN SOLUTION, 3, II

**15 Regulatory information****Other regulations in domestic and foreign countries****SARA (Superfund Amendments and Reauthorization Act)****Section 302/304 (extremely hazardous substances):**

None of the ingredients is listed.

**Section 313 Reportable Ingredients (Chemicals present below reporting threshold are exempt):**

80-62-6   Methyl methacrylate	59.2%
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**SARA Section 312/Tier I & II Hazard Categories:**

Physical Hazard - Flammable (gases, aerosols, liquids, or solids)

Health Hazard - Carcinogenicity

Health Hazard - Skin Corrosion or Irritation

Health Hazard - Respiratory or Skin Sensitization

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Health Hazard - Specific target organ toxicity (single or repeated exposure)

**North America Chemical Inventory Status****TSCA (Toxic Substances Control Act - United States):**

All ingredients are listed or exempt from listing unless otherwise noted below.

**CEPA (Canadian DSL):**

All ingredients are listed or exempt from listing unless otherwise noted below.

**Right to Know Ingredient Disclosure:**

Proprietary Polyester Polymer - NJTSN801416142

Proprietary copolymer - NJTSN801416148

**California Proposition 65: (Substances <0.1% unless noted in Section 3)****Chemicals known to cause cancer:**

N,N-dimethyl-p-toluidine

**Chemicals known to cause reproductive toxicity for females:**

None of the ingredients are listed.

**Chemicals known to cause reproductive toxicity for males:**

None of the ingredients are listed.

**Chemicals known to cause developmental toxicity:**

None of the ingredients are listed.

**Carcinogenicity Categories****TLV-ACGIH (THE American Conference of Governmental Industrial Hygienists)****Human Carcinogen - A1 Confirmed, A2 Suspected, A3 Unknown Relevance, A4 Not Classifiable**

Methyl methacrylate

A4

**NIOSH-Cancer (National Institute for Occupational Safety and Health)**

None of the ingredients are listed.

**Volatile Organic Compounds (VOC) reported per the Emission Standards. 592.1 g/l / 4.94 lb/gal****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.

**Department issuing SDS:**

Product Stewardship Department  
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