

## Safety Data Sheet

According to 1907/2006/EC, Article 31

Printing date 20.10.2018

Version number 1

Revision: 20.10.2018

### POLYURETHANE FAST CAST RESIN WHITE PART A

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

- **1.1 Product identifier**
- **Trade name:** Polyurethane Fast Cast Resin White Part A
- **Utilization of the substance of the formulation:** Casting material
- **1.2 Relevant identified uses of the substance or mixture and uses advised against**
- **Application for the substance / the preparation:** Moulding & Casting
- **Uses advised against:** Contacting materials contacting water
- **1.3 Details of the supplier of the safety data sheet**
- **Supplier:**  
DWR plastics  
Broadway  
Newport  
Shropshire  
TF10 7TP  
Tel: +44 (0) 7576028547  
Email: info@dwrlastics.com
- **1.4 Emergency telephone number:** + 44 (0) 7576028547

#### SECTION 2: Hazards identification

- **2.1 Classification of the substance or mixture**
- **Classification according to Regulation (EC) No 1272/2008**



GHS08 health hazard

Asp. Tox. 1 H304 May be fatal if swallowed and enters airways

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GHS07

Eye Irrit. 2 H319 Causes serious eye irritation.

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- **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 GHS08

- **Signal word** Danger

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· **Hazard-determining components of labelling:** Hydrocarbons, C12-C16, isoalkanes, cyclics, < 2% aromatics

· **Hazard statements:**

H319 Causes serious eye irritation.

H304 May be fatal if swallowed and enters airways.

· **Precautionary statements:**

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P264 Wash thoroughly after handling.

P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/doctor.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P337+P313 If eye irritation persists: Get medical advice/attention.

P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

### SECTION 3: Composition/information on ingredients

· **3.2 Chemical characterization:** Mixture

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

· <b>Dangerous components:</b>		
CAS: 25214-63-5 NLP: 500-035-6 Reg.nr.: 01-2119471485-32	Alcoxylated amine	25-50%
	Eye Irrit. 2, H319	
CAS: 75790-79-3	Alcoxylated amine	5-20%
	Eye Irrit. 2, H319	
EC number: 927-676-8 Reg.nr.: 01-2119456377-30	Hydrocarbons, C12-C16, isoalkanes, cyclics, < 2% aromatics	5-20%
	Asp. Tox. 1, H304	
EC number: 920-901-0 Reg.nr.: 01-2119456810-40	Hydrocarbons, C11-C13, isoalkanes, < 2% aromatics	2-8%
	Asp. Tox. 1, H304	
CAS: 6846-50-0 Reg.nr.: 01-2119451093-47	1-Isopropyl-2,2-dimethyltrimethylendiisobutyrate	1-2%
	Aquatic Chronic 3, H412	
CAS: 102-60-3 EINECS: 203-041-4 Reg.nr.: 01-2119552434-41 01-2119552434-41	1,1',1'',1'''-ethylenedinitrilotetrapropan-2-ol	2%
	Eye Irrit. 2, H319	
CAS: 64742-47-8 EC number: 918-167-1 Reg.nr.: 01-2119472146-39	Distillates (petroleum), hydrotreated light	0.05-
	Flam. Liq. 3, H226, Asp. Tox. 1, H304	0.5%

· **Additional information:** For the wording of the listed risk phrases refer to section 16.

### SECTION 4: First Aid Measures

#### 4.1 Description of first aid measures

· **General Information:** Immediately remove any clothing soiled by the product.

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- **Eye Contact:** Flush eyes with plenty of water. If irritation persists, seek medical attention.
- **Skin Contact:** Remove contaminated clothing and shoes. Immediately wash with water and soap and rinse thoroughly. If irritation persists, seek medical attention.
- **If Inhaled:** Remove to fresh air. Get medical attention in case of complaints.
- **Ingestion:** Rinse mouth thoroughly with water and call for medical help immediately. Do not induce vomiting unless instructed by a physician.
- **4.2 Most important symptoms and effects, both acute and delayed:** No further relevant information available.
- **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:** CO<sub>2</sub>, powder or water spray. Fight larger fires with water spray.
- **Unsuitable extinguishing agents:** None known.
- **5.2 Special hazards arising from the substance or mixture**
- **Specific hazards during firefighting:** Exposure to combustion products may be a hazard to health.
- **Hazardous combustion products:** In case of fire, the following can be released: Carbon monoxide and nitrogen oxides.
- **5.3 Advice for firefighters**
- **Protective equipment:** Wear self-contained respiratory protective device. Wear fully protective impervious suit.

### SECTION 6: Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures:** Use personal protective equipment. Follow safe handling advice and personal protective equipment recommendations.
- **6.2 Environmental precautions:** Discharge into the environment must be avoided. Do not allow to enter sewers/ surface or ground water. Prevent further leakage or spillage if safe to do so.
- **6.3 Methods and material for containment and cleaning up:** Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust). Dispose contaminated material as waste according to item 13.
- **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.

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#### SECTION 7: Handling and storage

- **7.1 Precautions for safe handling**
- **Technical measures:** See Engineering measures under EXPOSURE CONTROLS/PERSONAL PROTECTION section.
- **Local/Total ventilation:** Use only with adequate ventilation.
- **Advice on safe handling:** Avoid inhalation of vapour or mist. Do not swallow. Avoid contact with eyes and prolonged or repeated contact with skin. Handle in accordance with good industrial hygiene and safety practice. Take care to prevent spills, waste and minimize release to the environment.
- **Hygiene measures:** Ensure that eye flushing systems. When using do not eat, drink or smoke. Wash contaminated clothing before re-use.
- **7.2 Conditions for safe storage, including any incompatibilities**
- **Requirements to be met by storerooms and receptacles:** Keep container tightly closed and dry and storage in a good ventilated room. Keep away from water and humidity. Storage temperature: 15 - 25 °C.
- **Information about storage in one common storage facility:** Store away from foodstuffs.
- **Further information about storage conditions:** Store in dry conditions. Protect from frost.
- **7.3 Specific end use(s):** No further relevant information available.

#### SECTION 8: Exposure controls/personal protection

- **8.1 Control parameters:** Contains no substances with occupational exposure limit values.
- **Additional information:** The lists valid during the making were used as basis.
- **8.2 Exposure controls**
- **Personal protective equipment:**
- **General protective and hygienic measures:** The usual precautionary measures are to be adhered to when handling chemicals.
- **Eye protection:**
-  Safety glasses.
- **Protection of hands:**
-  Chemical-resistant gloves.
- **Body protection:** Protective work clothing. Skin contact must be avoided by using impervious protective clothing (gloves, aprons, boots, etc).
- **Respiratory protection:** Not necessary if room is well-ventilated.

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#### SECTION 9: Physical and chemical properties

##### · 9.1 Information on basic physical and chemical properties

· <b>General Information</b>	
· <b>Appearance:</b>	
Form:	Liquid
Colour:	Milky white
· <b>Odour:</b> Characteristic	
· <b>Odour threshold:</b> Not determined	
· <b>pH-value:</b>	
Melting point/Melting range:	Not applicable
Boiling point/Boiling range:	Not determined
· <b>Flash point:</b> >80°C	
· <b>Flammability (solid, gaseous):</b> Non-flammable	
· <b>Ignition temperature:</b> Not determined	
· <b>Decomposition temperature:</b> Not determined	
· <b>Self-igniting:</b> Not Self-igniting	
· <b>Danger of explosion:</b> Does not present an explosion hazard	
· <b>Explosion limits:</b>	
Lower:	Not applicable
Upper:	Not applicable
· <b>Vapour pressure:</b> Not determined	
· <b>Density at 20 °C:</b>	
Relative density	1 g/cm <sup>3</sup> (ISO 1675:1985)
Vapour density	Not determined
· <b>Evaporation rate</b> Not determined	
· <b>Solubility in / Miscibility with water:</b> Not miscible in water	
· <b>Viscosity:</b> 52 mPa.s	
· <b>Solvent content:</b>	
Organic solvents:	None
VOC (EC)	None

· 9.2 Other information: No further relevant information available.

#### SECTION 10: Stability and reactivity

10.1 Reactivity: Not classified as a reactivity hazard.

10.2 Chemical stability: Stable.

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

10.3 Possibility of hazardous reactions Reacts with oxidising agents.



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**10.4 Conditions to avoid:** *Flames, sparks and other sources of ignition.*

**10.5 Incompatible materials:** *Strong oxidizing agents.*

**10.6 Hazardous decomposition products:** *No dangerous decomposition products known.*

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### SECTION 11: Toxicological information

· **11.1 Information on toxicological effects**

· **Acute toxicity**

· **LD/LC50 values relevant for classification:**

**25214-63-5 Alcoxylated amine**

Oral	LD50	>2000 mg/kg (rat)
Dermal	LD50	>2000 mg/kg (rat)

· **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:** *Based on available data, the classification criteria are not met.*

· **CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction):** *Based on available data, the classification criteria are not met.*

· **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:** *Based on available data, the classification criteria are not met.*

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

· **Aspiration hazard:** *May be fatal if swallowed and enters airways.*

### SECTION 12: Ecological information

· **12.1 Toxicity**

· **Aquatic toxicity:**

**25214-63-5 Alcoxylated amine**

LC50 (96h)	>100 mg/L (fish)
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· **12.2 Persistence and degradability:** *No further relevant information available.*



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· **12.3 Bio accumulative potential:** No further relevant information available.

· **12.4 Mobility in soil:** No further relevant information available.

· **12.5 Results of PBT and vPvB assessment**

· **PBT:** Not applicable.

· **vPvB:** Not applicable.

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· **12.6 Other adverse effects:** No further relevant information available.

### SECTION 13: Disposal considerations

· **13.1 Waste treatment methods**

· **Recommendation:** Dispose of in accordance to local to the regulations pertaining to the disposal of waste.

· **Uncleaned packaging:** Empty containers should be taken to an approved waste handling site for recycling or disposal.

### SECTION 14: Transport information

· **14.1 UN-Number**

· **ADR, ADN, IMDG, IATA** Void

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· **14.2 UN proper shipping name**

· **ADR, ADN, IMDG, IATA** Void

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· **14.3 Transport hazard class(es)**

· **ADR, ADN, IMDG, IATA**

· **Class** Void

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· **14.4 Packing group**

· **ADR, IMDG, IATA** Void

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· **14.5 Environmental hazards:**

· **Marine pollutant:** No

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· **14.6 Special precautions for user**

Not applicable.

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· **14.7 Transport in bulk according to Annex II of Marpol and the IBC Code**

Not applicable.

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· **UN "Model Regulation":**

Void

### SECTION 15: Regulatory information

· **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**

· **Labelling according to Regulation (EC) No 1272/2008**



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The product is classified and labelled according to the CLP regulation.

- **Water hazard class:** Water hazard class 1 (Self-assessment): Slightly hazardous for water.
- **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**

H304 May be fatal if swallowed and enters airways. H319 Causes serious eye irritation.

R36 Irritating to eyes.

R65 Harmful: may cause lung damage if swallowed.

R66 Repeated exposure may cause skin dryness or cracking.

· **Abbreviations and acronyms:**

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals EINECS: European Inventory of Existing Commercial Chemical

Substances ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society) LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

Eye Irrit. 2: Serious eye damage/eye irritation, Hazard Category 2 Asp. Tox. 1: Aspiration hazard, Hazard Category 1