according to Regulation (EC) No. 1907/2006 as amended by (EC) No. 2020/878 and US OSHA HCS 2015

Section 1. Identification of the Substance/Mixture and of the Company/Undertaking

1.1 Product Code: 20-W

Product Name: 20-W

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

1.3 Details of the Supplier of the Safety Data Sheet:

Company Name: **Cyanotec Ltd**
Bay 2, Building 62, Third Avenue,
Kingswinford, Dudley, West Midlands DY6 7XT
sales@cyanotec.com
www.cyanotec.com

1.4 Emergency telephone number:

+44 (0)1384 294753
Office hours 0900-1700hrs MONDAY TO THURSDAY

Section 2. Hazards Identification

2.1 Classification of the Substance or Mixture:

Skin Corrosion/Irritation, Category 2

Serious Eye Damage/Eye Irritation, Category 2A

Skin Sensitization, Category 1

2.2 Label Elements:

GHS Signal Word: **Warning**

Hazard-determining components of labelling:

GHS Hazard Phrases:

H315 - Causes skin irritation.

H317 - May cause an allergic skin reaction.

H319 - Causes serious eye irritation.

GHS Precautionary Phrases:

P261 - Avoid breathing dust/fume/gas/mist/vapors/spray.

P264 - Wash hands thoroughly after handling.

P272 - Contaminated work clothing should not be allowed out of the workplace.

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

GHS Response Phrases:

P302+352 - IF ON SKIN: Wash with plenty of soap and water.

P305+351+338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P321 - Specific treatment see ... on this label.

P332+313 - If skin irritation occurs, get medical advice/attention.

P333+313 - If skin irritation or rash occurs, seek medical advice/attention.

P337+313 - If eye irritation persists, get medical advice/attention.

P362+364 - Take off contaminated clothing and wash it before reuse.

GHS Storage and Disposal Phrases:

P501 - Dispose of contents/container to ...

UFI:

2.3 Adverse Human Health Effects and Symptoms: Hazards not otherwise classified (HNOC) or not covered by GHS -none. Hazards not otherwise classified (HNOC) or not covered by GHS.

Section 3. Composition/Information on Ingredients

CAS #	Hazardous Components (Chemical Name)/REACH Registration No.	Concentration	EC No./ EC Index No.	GHS Classification
25852-47-5	Polyglycol dimethacrylate	85.0 -95.0 %	NA NA	No GHS classifications apply.
3290-92-4	Trimethylolpropane trimethacrylate 01-2119542176-41	1.0 -5.0 %	221-950-4 NA	Aquatic (C) 2: H411

Section 4. First Aid Measures

4.1 Description of First Aid Measures: Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area.

In Case of Inhalation: If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

In Case of Skin Contact: Wash off with soap and plenty of water. Consult a physician.

In Case of Eye Contact: Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

In Case of Ingestion: Flush eyes with water as a precaution.
Never give anything by mouth to an unconscious person. Rinse mouth with water.

Important Symptoms

4.2 and Effects, Both Acute and Delayed: Indication of any immediate Consult a physician.
The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11

4.3 medical attention and special treatment needed: No data available.

Section 5. Fire Fighting Measures

5.1 **Suitable Extinguishing Media:** Use water spray, dry chemical, carbon dioxide, or alcohol-resistant foam.

Unsuitable Extinguishing Media: High power water jet.

5.2 **Flammable Properties and Hazards:** Nature of decomposition products not known. Carbon oxides.

Flash Pt: > 113.00 C (235.4 F) Method Used: Estimate

Explosive Limits: LEL: UEL:

Autoignition Pt:

5.3 **Fire Fighting Instructions:** Wear self contained breathing apparatus for fire fighting if necessary.
Further information: Collect contaminated fire extinguishing water separately. Do not allow runoff to enter drains or surface water. Use water spray jet to protect personnel and to cool endangered containers. In case of major fire and large quantities: Evacuate area and fight fire remotely due to the risk of explosion.

Section 6. Accidental Release Measures

6.1 Protective Precautions, Protective Equipment and Emergency Procedures: Use personal protective equipment. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas. Avoid breathing dust. For personal protection see section 8.

6.2 Environmental Precautions: Do not let product enter drains. Prevent further leakage or spillage if safe to do so. Discharge into the environment must be avoided. Methods and materials for containment and cleaning up: Keep in suitable, closed containers for disposal.

6.3 Methods and Material For Containment and Cleaning Up: Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed containers for disposal.

Section 7. Handling and Storage

7.1 Precautions To Be Taken in Handling: Avoid contact with skin and eyes. Avoid formation of dust and aerosols. Provide appropriate exhaust ventilation at places where dust is formed. For precautions see section 2.

7.2 Precautions To Be Taken in Storing: Keep container tightly closed in a dry and well-ventilated place. Recommended storage temperature: 2 -8 - 8 deg.C.
Heat-, light-, and moisture-sensitive. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Product is sensitive to light and moisture.

Other Precautions: Apart from the uses mentioned in section 1.2 no other specific uses are stipulated.

Section 8. Exposure Controls/Personal Protection

8.1 Exposure Parameters:

8.2 Exposure Controls:

8.2.1 Engineering Controls (Ventilation etc.): Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

8.2.2 Personal protection equipment:

Eye Protection: Safety glasses with side-shields conforming to EN166. Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Protective Gloves: Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

Other Protective Clothing: Respiratory Equipment (Specify Type): Impervious clothing. is not required. For nuisance exposures use type OV/AG (US) or type ABEK (EU EN 14387) respirator cartridges. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Work/Hygienic/Maintenance Practices: Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

8.2.3 Environmental Exposure Controls: Do not let product enter drains. Prevent further leakage or spillage if safe to do so. Discharge into the environment must be avoided.

Exposure Scenarios:

Section 9. Physical and Chemical Properties

9.1 Information on Basic Physical and Chemical Properties

Physical States:	[ ] Gas [X] Liquid[ ] Solid
Appearance and Odor:	Tinted. characteristic odor.
pH:	
Melting Point: Boiling Point:	NA -41.60 - -29.50 C (-21.1 F) 200.00 C (392.0 F)
Flash Pt:	> 113.00 C (235.4 F) Method Used: Estimate
Evaporation Rate:	
Saturated Vapor Concentration:	
Flammability (solid, gas):	
Explosive Limits:	LEL: UEL:
Vapor Pressure (vs. Air or mm Hg):	
Vapor Density (vs. Air = 1):	
Specific Gravity (Water = 1):	
Density:	1.11 G/ML
Solubility in Water:	
Octanol/Water Partition Coefficient:	
Autoignition Pt:	
Decomposition Temperature:	
Viscosity:	
Explosive Properties:	No data available.
Oxidizing Properties:	No data available.

9.2 Other Information

9.2.1 Information with regard to physical hazard classes

Information with regard to primary physical hazard:

9.2.2 Other safety characteristics

Section 10. Stability and Reactivity

10.1	**Reactivity:**	No data available.
10.2	**Stability:**	Unstable [ ] Stable [X]
10.3	**Conditions To Avoid - Hazardous Reactions:**	Protect against UV Radiation, Direct sunlight, heat, open flame, and sparks.
	Possibility of Hazardous Reactions:	Will occur [ ] Will not occur [X]
10.4	**Conditions To Avoid - Instability:**	
10.5	**Incompatibility - Materials To Avoid:**	Strong acids, strong oxidizing agents and concentrated alkalis.
10.6	**Hazardous Decomposition or Byproducts:**	Semi-Solid.

Section 11. Toxicological Information

11.1 Information on Toxicological Effects: CAS# 3290-92-4: Acute toxicity, LD50, Oral, Rat, 5660. UL/KG; Toxicology and Applied Pharmacology, Academic Press, Inc., Vol/p/yr: 28,313, 1974
Acute toxicity, LD50, Skin, Species: Rabbit, 16.00 ML/KG. Result: Behavioral: Somnolence (general depressed activity). Gastrointestinal:Hypermotility, diarrhea. Nutritional and Gross Metabolic:Weight loss or decreased weight gain. ; Toxicology and Applied Pharmacology, Academic Press, Inc., Vol/p/yr: 28,313, 1974

Irritation or Corrosion: Semi-Solid.
Semi-Solid.

Sensitization: Semi-Solid

Chronic Toxicological Effects: Specific target organ toxicity - single exposure: Inhalation: May cause respiratory irritation.
Specific target organ toxicity -repeated exposure: no data available.

Carcinogenicity/Other Information: IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.
ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.
NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.
OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

Carcinogenicity: NTP? No IARC Monographs? No OSHA Regulated? No

Section 12. Ecological Information

12.1 Toxicity: No data available.

12.2 Persistence and Degradability: Semi-Solid.

12.3 Bioaccumulative Potential: Semi-Solid.

12.4 Mobility in Soil: No data available.

12.5 Results of PBT and vPvB assessment: PBT/vPvB assessment not available as chemical safety assessment not required/not conducted.

12.6 Other adverse effects: No data available.

Section 13. Disposal Considerations

13.1 Waste Disposal Method: Product:
Offer surplus and non-recyclable solutions to a licensed disposal company. Contact a licensed professional waste disposal service to dispose of this material.
Contaminated packaging:
Semi-Solid.

Section 14. Transport Information

14.1 LAND TRANSPORT (US DOT):

DOT Proper Shipping Name: Not a dangerous good in sense of this transport regulation.

DOT Hazard Class:

UN/NA Number:

14.1 LAND TRANSPORT (European ADR/RID):

ADR/RID Shipping Name: Not a dangerous good in sense of this transport regulation.

UN Number:

Hazard Class:

14.2 MARINE TRANSPORT (IMDG/IMO):

IMDG/IMO Shipping Name: Not a dangerous good in sense of this transport regulation.

UN Number: **Packing Group:**

Hazard Class:

14.3 AIR TRANSPORT (ICAO/IATA):

ICAO/IATA Shipping Name: Not a dangerous good in sense of this transport regulation.

UN Number: **Packing Group:**

Hazard Class:

Section 15. Regulatory Information

EPA SARA (Superfund Amendments and Reauthorization Act of 1986) Lists

CAS #	Hazardous Components (Chemical Name)	S. 302 (EHS)	S. 304 RQ	S. 313 (TRI)
25852-47-5	Polyglycol dimethacrylate	No	No	No
3290-92-4	Trimethylolpropane trimethacrylate	No	No	No

This material meets the EPA 'Hazard Categories' defined for SARA Title III Sections 311/312 as indicated:

[ ] Yes [X] No Explosive
[ ] Yes [X] No Flammable (gases, aerosols, liquid, or solid)
[ ] Yes [X] No Oxidizer (liquid, solid or gas)
[ ] Yes [X] No Self-reactive
[ ] Yes [X] No Pyrophoric (liquid or solid)
[ ] Yes [X] No Pyrophoric gas
[ ] Yes [X] No Self-heating
[ ] Yes [X] No Organic peroxide
[ ] Yes [X] No Corrosive to metal
[ ] Yes [X] No Gas under pressure (compressed gas)
[ ] Yes [X] No In contact with water emits flammable gas
[ ] Yes [X] No Combustible Dust
[ ] Yes [X] No (Physical) Hazard Not Otherwise Classified (HNOC)
[ ] Yes [X] No Acute toxicity (any route of exposure)
[X] Yes [ ] No Skin Corrosion or Irritation
[X] Yes [ ] No Serious eye damage or eye irritation
[X] Yes [ ] No Respiratory or Skin Sensitization
[ ] Yes [X] No Germ cell mutagenicity
[ ] Yes [X] No Carcinogenicity
[ ] Yes [X] No Reproductive toxicity
[ ] Yes [X] No Specific target organ toxicity (single or repeated exposure)[ ] Yes [X] No Aspiration Hazard
[ ] Yes [X] No Simple Asphyxiant
[ ] Yes [X] No (Health) Hazard Not Otherwise Classified (HNOC)

CAS #	Hazardous Components (Chemical Name)	Other US EPA or State Lists
25852-47-5	Polyglycol dimethacrylate	TSCA: Yes - Inventory: Active; CA PROP.65: No
3290-92-4	Trimethylolpropane trimethacrylate	TSCA: Yes - Inventory: Active/Exempt; CA PROP.65: No

CAS #	Hazardous Components (Chemical Name)	International Regulatory Lists
25852-47-5	Polyglycol dimethacrylate	REACH: Yes - (P)
3290-92-4	Trimethylolpropane trimethacrylate	REACH: Yes - 01-2119542176-41: Full, (P)

Section 16. Other Information

Revision Date:	04/04/2022
Additional Information About This Product:	
Company Policy or Disclaimer:	The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.