SAFETY DATA SHEET

POLYCYANO UV

1. Identification of the Substance and the Company

Substance Name
PolyCyano UV

Intended Use
Detection and enhancement of latent fingerprint marks.

Company Name
Foster + Freeman Ltd, Vale Park, Evesham, Worcestershire, WR11 1TD, UK
☎ + 44 (0) 1386 768050; ☏ + 44 (0) 1386 765351
✉ customersupportteam@fosterfreeman.com; 🌐 www.fosterfreeman.com

Emergency telephone number
Customer Support Department: ☏ + 44 (0) 1386 768050

2. Composition/Information on Ingredients

<table>
<thead>
<tr>
<th>Constituent</th>
<th>Chemical Formula</th>
<th>CAS No.</th>
<th>% (Weight)</th>
<th>Risk phrases</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ethyl-2-cyanoacrylate (Polymer)</td>
<td>(C₆H₅CNCOOC₂H₅)ₙ</td>
<td>-</td>
<td>95</td>
<td></td>
</tr>
<tr>
<td>Dimethylamino benzaldehyde (DMAB)</td>
<td>C₉H₁₁NO</td>
<td>100-10-7</td>
<td>&lt; 5</td>
<td></td>
</tr>
<tr>
<td>Additives</td>
<td>-</td>
<td>-</td>
<td>&lt; 1</td>
<td></td>
</tr>
</tbody>
</table>

3. Hazards Identification

Irritant
Symbol: Ⱶ Xi. Product may contain fine powder. Treat as nuisance dust.
Product produces irritant fumes of ethyl-2-cyanoacrylate when heated in the recommended manner during use: Irritating to eyes; Irritating to skin; Irritating to respiratory system.

4. First Aid Measures

General
Obtain medical attention if any discomfort occurs following exposure.

Inhalation
Immediately remove victim to fresh air. If cough or other respiratory symptoms develop, obtain medical attention.

Ingestion
Give plenty of water to drink. Beware of aspiration if vomiting occurs. Do not induce vomiting. Seek medical advice immediately.

Skin contact
Remove person from source of contamination. Wash affected area with soapy water. Obtain medical attention in severe cases or if irritation persists.

Eye contact
Irrigate eyes with clean water. Take care not to wash chemical from one eye to another. Obtain medical attention immediately.

5. Fire Fighting Measures

Extinguishing media
Use extinguishing media appropriate for surrounding fire: Water; Powder; Foam; Carbon dioxide (CO₂).

Unsuitable extinguishing media
None known.
Special fire fighting procedures
Fires should only be dealt with by trained personnel. Use water spray to cool containers. Prevent run-off from fire control from entering waterways.

Special hazards in fire
Combustion products include toxic gases: Carbon monoxide (CO); Carbon dioxide (CO2); Hydrogen cyanide (HCN). Do not breathe fumes.

Special protective equipment
Wear approved self-contained breathing apparatus. Wear fire retardant clothing. Wear eye protection.

6. Accidental Release Measures

Personal precautions during spill
Product may contain fine powder. Treat as nuisance dust. Avoid work practices that generate and disperse airborne dust. Avoid breathing dust or wear an approved dust respirator, e.g. Dust mask/Filtering Face Piece (Class P2: EN143; Class FFP2: EN149; Type N95: US). Ventilate the affected area. Isolate the spillage. Wear suitable respirators for large spillages and confined spaces. Wear rubber gloves. Wear eye protection, e.g. Goggles (Chemical grade: EN166).

Spill cleanup procedure
Carefully scoop or sweep up spillage and place in dry containers. Do not re-use. Dispose of in accordance with Local Authority requirements. Avoid work practices that generate and disperse airborne dust. Wipe down spill area with water. Dispose of all cleaning materials in accordance with Local Authority requirements.

Environmental Precautions
Do not allow spill to enter drains or watercourses.

7. Handling and Storage

Handling precautions
Avoid direct sunlight. Avoid contact with skin. Avoid contact with eyes. Maintain adequate ventilation. Product may contain fine powder. Treat as nuisance dust. Avoid work practices that generate and disperse airborne dust. Avoid breathing dust or wear an approved dust respirator, e.g. Dust mask/Filtering Face Piece (Class P2: EN143; Class FFP2: EN149; Type N95: US). Use local fume extraction equipment where possible. Eliminate sources of ignition. Wear eye protection. Wear protective gloves.

Storage precautions
Store upright in original, tightly closed containers. Store in a cool, dry, dark, well-ventilated environment.

Shelf life
12 months (Minimum).

8. Exposure Controls and Personal Protection

Exposure Limits
Not assigned.

Protective equipment

Process control measures
Use engineering controls to reduce air contamination to permissible exposure level.

Ventilation
Maintain adequate ventilation. Forced ventilation may be required if air contamination exceeds an acceptable level.

Respiratory protection
Maintain adequate ventilation. Wear suitable respirator if excessive exposure is likely. Product may contain fine powder. Treat as nuisance dust. Avoid breathing dust or wear an approved dust respirator, e.g. Dust mask/Filtering Face Piece (Class P2: EN143; Class FFP2: EN149; Type N95: US).

Hand protection
Wear protective gloves. Dispose of gloves in accordance with local waste disposal requirements.

Skin protection
Wear appropriate clothing to prevent skin contact.
Eye protection
Wear eye protection when there is risk of eye contact, e.g. Goggles (Chemical grade: EN166).

Hygienic work routines
Do not smoke in work area. Observe hygienic work practices. Wash at the end of each work period and before eating, smoking or using the toilet.

9. Physical and Chemical Properties

<table>
<thead>
<tr>
<th>Properties</th>
<th>Comments</th>
<th>Properties</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>Solid, Granules</td>
<td>Explosive Limits (Upper)</td>
<td>No data available</td>
</tr>
<tr>
<td>Colour</td>
<td>White/Faintly coloured</td>
<td>Explosive Limits (Lower)</td>
<td></td>
</tr>
<tr>
<td>Odour</td>
<td>Faint</td>
<td>Oxidising properties</td>
<td></td>
</tr>
<tr>
<td>Volatile content</td>
<td>0%</td>
<td>Vapour pressure</td>
<td></td>
</tr>
<tr>
<td>Melting point</td>
<td>No data available</td>
<td>Relative density</td>
<td></td>
</tr>
<tr>
<td>Boiling point</td>
<td></td>
<td>Solubility (Fat)</td>
<td>Insoluble. Immiscible</td>
</tr>
<tr>
<td>Flash point</td>
<td></td>
<td>Solubility (Water)</td>
<td></td>
</tr>
<tr>
<td>Autoflammability</td>
<td></td>
<td>Viscosity</td>
<td>Not applicable</td>
</tr>
</tbody>
</table>

10. Stability and Reactivity

Stability
Stable at room temperature.

Conditions to avoid
High temperatures. Sunlight.

Materials to avoid

Hazardous decomposition products
Combustion products include toxic gases: Carbon monoxide (CO); Carbon dioxide (CO₂); Hydrogen cyanide (HCN). Do not breathe fumes.
Product produces irritant fumes of ethyl-2-cyanoacrylate when heated in the recommended manner during use.

Hazardous polymerisation
Not applicable.

11. Toxicological information

Routes of exposure
Inhalation. Ingestion. Eye contact. Skin contact.

Health warnings
Irritating to eyes. Irritating to skin. Irritating to respiratory system.

Acute effects

<table>
<thead>
<tr>
<th>Routes of exposure</th>
<th>Acute effects</th>
</tr>
</thead>
<tbody>
<tr>
<td>Inhalation</td>
<td>Running nose (Rhinorrhea)</td>
</tr>
<tr>
<td>Eye contact</td>
<td>Watering eyes (Lachrymation)</td>
</tr>
<tr>
<td>Skin contact</td>
<td>Irritation and redness at the site of contact</td>
</tr>
</tbody>
</table>

Chronic effects
Kidney damage. Liver damage.

12. Ecological Information

No data available.

13. Disposal Information

Disposal methods
Do not discharge into drains or watercourses. Treat as special waste in accordance with Local Authority requirements (Special Waste Regulations 1996).

14. Transport Information

<table>
<thead>
<tr>
<th>UN Number</th>
<th>UN Packing Group</th>
<th>IMDG Class</th>
<th>IATA Class</th>
<th>EmS</th>
<th>ADR/RID</th>
<th>Hazard Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>None</td>
<td>-</td>
<td>None</td>
<td>-</td>
<td>-</td>
<td>MFAG Number</td>
<td>None</td>
</tr>
</tbody>
</table>

PolyCyano UV (Safety Data Sheet 0030-73-08) (Page 3 of 4) 73-3
15. Regulatory Information

Labelling

Irritant: \(\text{Xi.}\)

Risk phrases

Irritating to eyes. Irritating to skin. Irritating to respiratory system.

Safety phrases

Wear eye/face protection. Keep out of reach of children. Do not breathe gas, fumes, vapour or spray.
Avoid contact with skin. Avoid contact with eyes. In case of contact with eyes, rinse immediately with
plenty of water and obtain medical attention.

Other Mandatory Phrases

Contains cyanoacrylate.

Other Regulations

Health & Safety at Work Act 1974
Control of Substances Hazardous to Health (COSHH) Regulations 1995
Environmental Protection Act 1990
Special Waste Regulations 1996
Directive 67/548/EEC
Directive 45/1999/EC
Regulation (EC) No. 1272/2008

16. Other Information

General

This information is based on our present knowledge and should therefore not be construed as a guarantee
of specific properties for the product or its suitability for a particular application.

Intended Use

PolyCyano UV should only be used by individuals trained in cyanoacrylate (“superglue”) fuming using
equipment specifically designed for that purpose.
PolyCyano UV should only be used in adequately controlled fuming enclosures which prevent exposure
to the fumes produced during the fuming process and which allow the cleaning of treated areas or
disposal of treated items without risk to the environment.

Special Protection

Cyanoacrylates react rapidly with bases: Water; Alcohols; Amines; Peroxides.

Note

The data contained in this Safety Data Sheet does not constitute a User’s assessment of workplace risk as required
by the Health & Safety at Work Act, Control of Substances Hazardous to Health (COSHH), Management of Health &
Safety at Work Regulations or other Health & Safety legislation.
This Data Sheet has been supplied for the purpose of protecting the health and safety of industrial and commercial
users who are deemed capable of understanding and acting on the information provided. Please ensure that it is
passed to the appropriate person(s) in your organisation capable of acting on the information.
This information relates only to the product supplied by Foster + Freeman Ltd and may not be valid for such material
used in combination with any other material or in any other process. This information is given in good faith and is
believed to be accurate. However, no warranty or guarantee is made as to accuracy or completeness and Foster +
Freeman Ltd assumes no responsibility and disclaims any liability for loss, damage or injury howsoever incurred in
using this information.

www.fosterfreeman.com

Copyright © Foster + Freeman Ltd