

POLYCYANO UV**Safety Data****1. Identification of the Substance and the Company****Substance Name**

PolyCyano UV

Intended Use

Detection and enhancement of latent fingerprint marks.

Company Name

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2. Composition/Information on Ingredients

Constituent	Chemical Formula	CAS No.	% (Weight)	Risk phrases
Ethyl-2-cyanoacrylate (Polymer)	$(C_2H_2CNCOOC_2H_5)_N$	-	95	
Dimethylamino benzaldehyde (DMAB)	$C_9H_{11}NO$	100-10-7	< 5	
Additives	-	-	< 1	

3. Hazards Identification**Irritant**

Symbol: 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

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

10. Stability and Reactivity**Stability**

Stable at room temperature.

Conditions to avoid

High temperatures. Sunlight.

Materials to avoid

Oxidising agents. Water. Alcohols. Amines. Peroxides.

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

Routes of exposure	Acute effects
Inhalation	Running nose (Rhinorrhea)
Eye contact	Watering eyes (Lachrymation)
Skin contact	Irritation and redness at the site of contact
Ingestion	Nausea. Vomiting. Stomach pain.

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

UN Number	None	IATA Class	-	ADR/RID	-
UN Packing Group	-	EmS	-	Hazard Code	None
IMDG Class	None	MFAG Number	-		

15. Regulatory Information

Labelling

Irritant:   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. 1907/2006

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.

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