

SAFETY DATA SHEET according to Regulation (EU) No.453/2010 (Annex II of REACH)

Version : 1.3

Revision Date : 04.01.2021

Print Date : 05.01.2021

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

1.1. Product Identifier

Product Name : W 400 Cold Fixing Agent

1.2. Relevant Identified Uses Of The Substance Or Mixture And Uses Advised Against

Product Use : Textile Printing Applications

1.3. Details Of The Supplier Of The Safety Data Sheet

Company Name : Polymath Kimya San. ve Tic. Ltd. Şti.

Company Address : Akçaburgaz Mah. 1575 Sokak Alkop Sanayi Sitesi B/7 No: 7
Esenyurt / Istanbul / Turkey

Telephone : +90 212 858 08 89

Web : www.polymathkimya.com

SDS Prepared : Gürkan KAYA / Chemical Engineer

SDS Registration No : GBF - 1531

e-mail : gurkankaya@polymathkimya.com

1.4. Emergency telephone number

Telephone : +90 212 858 08 89

SECTION 2 : Hazards Identification

2.1. Classification Of The Substance Or Mixture

Classification according to Regulation (EC) No. 1272/2008 (CLP/GHS)

H317	Skin Sensitization	Category 1
H318	Eye Damage	Category 1
H341	Mutagenicity	Category 2

See Section 16 for the full text of H statements declared above

Classification according to Directive 67/548/EEC (DSD)

Mutagenicity Cat.3 ; R68 Xi ; R41, R43

See Section 16 for the full text of R-phrases declared above

2.2. Label Elements

Hazard Pictograms :



Signal Word : Danger

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Hazard Statements :

H317 - May Cause an allergic skin reaction.

H318 - Causes serious eye damage.

H341 - Suspected of causing genetic defects.

2.3. Other Hazards

No information available.

SECTION 3 : Composition / Information On Ingredients

3.1. Type Of Product

Substance.

Product/Ingredient name	CAS No	EINECS No	CLP Classification	Percent
Reaction mass of 2-ethyl-2-[[3-(2-methylaziridin-1-yl)propionyl]methyl]propane-1,3-diyl bis (2-methylaziridine-1-propionate) and 2,2-bis({[3-(2-methylaziridin-1-yl)propanoyl]oxy)methyl}butyl 3-2,2-bis({[3-(2-methylaziridin-1-yl)propanoyl]oxy)methyl}butoxy]propanoate	64265-57-2	264-763-3	Skin Sens. 1, H317 Eye Dam. 1, H318 Muta. 2, H341	100%
			67/548/EEC Classification	
			Muta. Cat. 3; R68 Xi; R41, R43	

SECTION 4 : First Aid Measures

4.1. Description Of First Aid Measures

If Inhaled : Move the person to fresh air and consult a doctor.

In Case Of Skin Contact : Rinse immediately with plenty of water and seek a doctor.

In Case Of Eye Contact : Rinse immediately with plenty of water and seek a doctor.

If Swallowed : Medical advice is required.

4.2. Most Important Symptoms And Effects, Both Acute And Delayed

Potential Acute Health Effects

Eye Contact : Causes serious eye damage.

Inhalation : Very irritating to the respiratory system.

Skin Contact : May cause an allergic skin reaction.

Ingestion : Harmful if swallowed. May cause burns to mouth, throat and stomach.

4.3. Indication Of Any Immediate Medical Attention And Special Treatment Needed

Therapeutic Measures : No information available.

SECTION 5 : Firefighting Measures

5.1. Extinguishing Media

Suitable Extinguishing Media : Carbon dioxide, Foam, extinguishing powder, water spray.

5.2. Special Hazards Arising From The Substance Or Mixture

Burning releases carbon monoxide, carbon dioxide, oxides of nitrogen. In the event of fire do not breathe fumes.

5.3. Advice For Fire-fighters

Firemen must wear self-contained breathing apparatus.

SECTION 6 : Accidental Release Measures

6.1. Personal Precautions, Protective Equipment And Emergency Procedures

Put on protective equipment (see section 8).

6.2. Environment related measures

Do not allow to escape into waterways, wastewater or soil.

6.3. Methods And Material For Containment And Cleaning Up

Soak up with inert absorbent material and keep in closed containers.

6.4. Reference To Other Sections

For further disposal measures see section 13.

SECTION 7 : Handling And Storage

7.1. Precautions For Safe Handling

When handling observe the usual precautionary measures for chemicals. Avoid contact with the skin and the eyes.

7.2. Conditions For Safe Storage, Including Any Incompatibilities

Keep containers dry and tightly closed. Store in ventilated place between (5-35)°C-(41- 95)°F

7.3. Specific End Use(s)

No information available.

SECTION 8 : Exposure Controls / Personal Protection

8.1. Control Parameters

Workplace Exposure Limits : No data available.

8.2. Exposure Controls

Respiratory Protection : Respiratory protection not required.

Hand Protection : Protective gloves.

Eye Protection : Protective glasses.

Skin And Body Protection : Protective clothing.

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SECTION 9 : Physical And Chemical Properties

9.1. Information On Basic Physical And Chemical Properties

Appearance	: Liquid
Colour	: Light Yellow
Odour	: Slight
Melting Point	: - 58 °C / - 136 °F
Boiling Point	: > 175 °C / 347 °F
Flash Point	: 253 °C / 487 °F
Decomposition T.	: > 175 °C / 347 °F
Solubility in Water	: Miscible
Viscosity	: 175 - 200 mPas (25°C/77°F) (Sp: 1 - rpm: 20 Brookfield Viscometer)
pH	: Not established
Density	: 1,07 g/cm ³
Explosive Properties	: There is no risk of explosion.

9.2. Other Information

No information available.

SECTION 10 : Stability And Reactivity

10.1. Reactivity

Stable under recommended transport or storage conditions.

10.2. Chemical Stability

Stable under normal conditions.

10.3. Possibility Of Hazardous Reactions

Hazardous reactions will not occur under normal transport or storage conditions.

10.4. Conditions To Avoid

High temperature.

10.5. Incompatible Materials

This information is not available.

10.6. Hazardous Decomposition Products

No hazardous decomposition products when used as directed.

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SECTION 11 : Toxicological Information

11.1. Information On Toxicological Effects

Acute Toxicity, Oral : LD50 Rat > 2.000 mg/kg (OECD Test Guideline 423)

Acute Toxicity, Dermal : The product has no acute dermal toxicity.

Acute Toxicity, Inhalation : The product has no acute inhalation toxicity.

Skin Irritation : May cause an allergic skin reaction (Rabbit - OECD Test Guideline 404)

Eye Irritation : Causes serious eye damage (Rabbit - OECD Test Guideline 405)

Studies of a comparable product.

SECTION 12 : Ecological Information

12.1. Toxicity

Acute Fish Toxicity : LC50 (96 h) > 100 mg/l (OECD Test Guideline 203)

12.2. Persistence And Degradability

Biodegradability : < 70 %, 28 day, not readily degradable (OECD Test Guideline 301 D)

12.3. Bioaccumulative Potential

No bioaccumulative potential.

12.4. Mobility In Soil

No data available.

12.5. Results Of PBT And vPvB Assessment

The product is not PBT / vPvB substance.

12.6. Other Adverse Effects

Do not let the product to enter drains, water courses or the soil.

Product does not increase the rate of AOX of disposal water.

SECTION 13 : Disposal Considerations

13.1. Waste Treatment Methods

Dispose in accordance with applicable international, national and local laws, ordinances and statutes.

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SECTION 14 : Transport Information

Transport for ADR/RID - ADN - IATA - IMDG ;

- 14.1. UN Number** : Not dangerous product.
14.2. UN Proper Shipping Name : Not dangerous product.
14.3. Transport Hazard Class(es) : Not dangerous product.
14.4. Packing Group : Not dangerous product.
14.5. Environmental Hazards : Not dangerous product.
14.6. Special Precautions For User

The product is not dangerous cargo.

SECTION 15 : Regulatory Information

- 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture Directive 2012/18/EU on the control of major-accident hazards involving dangerous substances :**
Not applicable.

SECTION 16 : Other Information

Full text of abbreviated H statements :

- H317 - May Cause an allergic skin reaction.
H318 - Causes serious eye damage.
H341 - Suspected of causing genetic defects.

Full text of abbreviated R statements :

- R 41 - Risk of serious damage to eyes.
R 43 - May cause sensitization by skin contact.
R 68 - Possible risk of irreversible effects.

The information in this safety data sheet is based on our best experience and knowledge on the date of preparation. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

Additional Information : This version replaces all previous versions.