

# Safety Data Sheet

According to regulation (EC) No. 1907/2006 (REACH)



## 972401 Transparent Adhesive Resin, Part A

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Revised edition: 12.04.2018

Version: 2

Printed: 22.04.2020

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

#### 1.1. Product Identifier

*Product Name:* Transparent Adhesive Resin, Part A

*Article No.:* 972401

#### 1.2. Relevant identified Uses of the Substance or Mixture and Uses advised against

*Identified uses:*

*Resin for adhesive systems.*

*Uses advised against:*

#### 1.3. Details of the Supplier of the Safety Data Sheet (Producer/Importer)

*Company:* Kremer Pigmente GmbH & Co. KG

*Address:* Hauptstr. 41-47, 88317 Aichstetten, Germany

*Tel./Fax.:* Tel +49 7565 914480, Fax +49 7565 1606

*Internet:* www.kremer-pigmente.com

*E-Mail:* info@kremer-pigmente.com

*Importer:* --

#### 1.4. Emergency No.

*Emergency No.:* +49 7565 914480 (Mon-Fri 8:00 - 17:00)

#### 1.4.2 Poison Center:

### 2. Hazards Identification

#### 2.1. Classification of the Substance or Mixture

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

*Skin irritation, hazard category 2  
Skin sensitization, hazard category 1  
Serious eye damage, hazard category 2  
Chronic aquatic toxicity, hazard category 2*

H315 Causes skin irritation.

Cat.: 2

H317 May cause an allergic skin reaction.

Cat.: 1

H319 Causes serious eye irritation.

Cat.: 2

H411 Toxic to aquatic life with long lasting effects.

Cat.: 2

*Possible Environmental Effects:*

*See Section 12.*

#### 2.2. Label Elements

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

*This product is classified and labelled according to CLP/GHS regulations.*

*Hazard designation:*

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GHS07-1



GHS09

*Signal word:*

Warning

*Hazard designation:*

H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H411	Toxic to aquatic life with long lasting effects.
EUH205	Contains epoxy constituents. May produce an allergic reaction.

*Safety designation:*

P280	Wear protective gloves/ clothing/ eye/ face protection.
P302+P352	If on skin: Wash with soap and water.
P305+P351+P338	If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses and continue rinsing.
P333+P313	If skin irritation or rash occurs: Get medical attention.
P337+P313	If eye irritation persists: Get medical advice/ attention.
P501	Dispose of contents/ container according to regional, national and international regulations.

*Hazardous components for labelling:*

### 2.3. Other Hazards

## 3. Composition/Information on Ingredients

### 3.1. Substance

### 3.2. Mixture

*Chemical Characterization:*

*Information on Components / Hazardous Ingredients:*

2,2'-[(1-Methylethyliden)bis(4,1-phenylenoxymethylen)]bisoxiran (H315-317-319-411); REACH Reg. No. 01-2119456619-26	80 - 100 %	CAS-Nr: 1675-54-3 EINECS-Nr: 216-823-5 EC-Nr: 603-073-00-2
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*Additional information:*

## 4. First Aid Measures

### 4.1. Description of the First Aid Measures

*General information:*

*Take affected persons out into the fresh air.*

*After inhalation:*

*In case of complaints consult a physician.*

*After skin contact:*

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*Remove contaminated clothing.  
Wash off with plenty of water and soap.  
If symptoms persist, consult a physician.*

*After eye contact:*

*Rinse open eyes with plenty of water for at least 15 minutes.  
Consult a physician.*

*After ingestion:*

*Rinse mouth with plenty of water and consult physician.  
Do not induce vomiting.  
Never give anything by mouth to an unconscious person.*

### 4.2. Most important Symptoms and Effects, both Acute and Delayed

*Symptoms:*

*Inhalation: irritates the respiratory system.  
Skin irritation, allergic reactions.  
Eye contact: causes serious eye irritation.*

*Effects:*

### 4.3. Indication of any Immediate Medical Attention and special Treatment needed

*Treatment:*

*Treat symptomatically.*

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## 5. Fire-Fighting Measures

### 5.1. Extinguishing Media

*Suitable extinguishing media:*

*Foam, CO2, dry extinguishing powder.*

*Unsuitable extinguishing media:*

*None known.*

### 5.2. Special Hazards arising from the Substance or Mixture

*Special hazards:*

*In case of fire: formation of carbon oxides, toxic gases/vapors.*

### 5.3. Advice for Firefighters

*Protective equipment:*

*Wear self-contained respiratory protective device and full protective gear.*

*Further information:*

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## 6. Accidental Release Measures

### 6.1. Personal Precautions, Protective Equipment and Emergency Procedures

*Personal precautions:*

*Ensure adequate ventilation.  
Avoid contact with eyes and skin.*

### 6.2. Environmental Precautions

*Environmental precautions:*

*Prevent contamination of soil, drains and surface waters.  
Contact local authorities if product pollutes soil or vegetation.*

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### 6.3. Methods and Material for Containment and Cleaning Up

*Methods and material:*

*Contain with absorbent material (sand, earth, vermiculite or diatomaceous earth) and collect in appropriate containers for disposal.*

### 6.4. Reference to other Sections

*Protective clothing, see Section 8.*

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## 7. Handling and Storage

### 7.1. Precautions for Safe Handling

*Instructions on safe handling:*

*Do not breathe vapors, aerosols.  
Avoid contact with eyes and skin.  
Do not eat or drink during work. Do not smoke.*

*Hygienic measures:*

*Wash hands with soap and water.*

### 7.2. Conditions for Safe Storage, including any Incompatibilities

*Storage conditions:*

*Store in tightly sealed containers in a dry room.  
Protect product from direct sunlight.*

*Requirements for storage areas and containers:*

*Store the product in the original container.*

*Information on fire and explosion protection:*

*Do not store together with ignitable sources, heat and fire.  
Do not store together with: oxidants.*

*Storage class:*

*Further Information:*

### 7.3. Specific End Use(s)

*Further information:*

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## 8. Exposure Controls/Personal Protection

### 8.1. Parameters to be Controlled

*Parameters to be controlled (DE):*

*none known*

*Parameters to be controlled:*

*Derived No-Effect Level (DNEL):*

*No values available.*

*Predicted No-Effect Concentration (PNEC):*

*No values available.*

*Additional Information:*

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### 8.2. Exposure Controls

*Technical protective measures:*

*Provide adequate ventilation/exhaust system.  
Facilities storing or utilizing this material should be equipped with an eyewash facility.*

*Personal Protection*

*General protective measures:*

*Keep away from foodstuffs and drinks. Do not eat, drink or smoke during work. Wash hands before breaks and at the end of work.*

*Respiratory protection:*

*In case of formation of dust/vapor.*

*Hand protection:*

*Chemical protective gloves (EN 374 (Europe), F739 (US)).*

*Protective glove material:*

*Eye protection:*

*Safety glasses (EN 166)*

*Body protection:*

*Protective clothing.*

*Environmental precautions:*

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### 9. Physical and Chemical Properties

#### 9.1. Information on Basic Physical and Chemical Properties

*Form: liquid*

*Color: colorless - yellowish*

*Odor: weak*

*Odor threshold: No information available.*

*pH-Value: not applicable*

*Melting temperature: not determined*

*Boiling temperature: not applicable*

*Flash point: 251°C*

*Evaporation rate: No information available.*

*Flammability (solid, gas): not available*

*Upper explosion limit: no information available*

*Lower explosion limit:*

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*no information available*

*Vapor pressure:*

*not applicable*

*Vapor density:*

*No information available.*

*Density:*

*not available*

*Solubility in water:*

*insoluble*

*Coefficient of variation (n-Octanol/Water):*

*not applicable*

*Auto-ignition temperature:*

*No information available.*

*Decomposition temperature:*

*not applicable*

*Viscosity, dynamic:*

*not available*

*Explosive properties:*

*not applicable*

*Oxidizing properties:*

*no information available*

*Bulk density:*

### 9.2. Further Information

*Solubility in solvents:*

*Viscosity, kinematic:*

*Burning class:*

*Solvent content:*

*Solid content:*

*Particle size:*

*Other information:*

*No further information.*

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## 10. Stability and Reactivity

### 10.1. Reactivity

*No decomposition if used according to specifications.*

### 10.2. Chemical Stability

*Stable if used according to specifications.*

### 10.3. Possibility of Hazardous Reactions

*Vigorous reactions with oxidants and strong alkalis.*

### 10.4. Conditions to Avoid

*Conditions to avoid:*

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*Avoid heat and sources of ignition.*

*Thermal decomposition:*

### 10.5. Incompatible Materials

*Strong acids, bases and oxidizing agents.*

### 10.6. Hazardous Decomposition Products

*Carbon oxides, toxic fumes/vapors.*

### 10.7. Further Information

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## 11. Toxicological Information

### 11.1. Information on Toxicological Effects

*No information available.*

*Acute Toxicity*

*LD50, oral:*

*LD50, dermal:*

*LC50, inhalation:*

*Primary effects*

*Irritant effect on skin:*

*Irritating to skin.*

*Irritant effect on eyes:*

*Causes serious eye irritation.*

*Inhalation:*

*Can cause irritation of the respiratory system.*

*Ingestion:*

*Sensitization:*

*May cause allergic skin reactions.*

*Mutagenicity:*

*No relevant data found.*

*Reproductive toxicity:*

*No relevant data found.*

*Carcinogenicity:*

*No relevant data found.*

*Teratogenicity:*

*No information available.*

*Specific target organ toxicity (STOT):*

*No relevant data found.*

*Additional toxicological information:*

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## 12. Ecological Information

### 12.1. Aquatic Toxicity

*No information available.*

*Fish toxicity:*

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*Daphnia toxicity:*

*Bacteria toxicity:*

*Algae toxicity:*

### 12.2. Persistency and Degradability

*No information available.*

### 12.3. Bioaccumulation

*Product only has a low bioaccumulation.*

### 12.4. Mobility

*No information available.*

### 12.5. Results of PBT- und vPvP Assessment

*No data available.*

### 12.6. Other Adverse Effects

*Water hazard class:*

*Do not let run into surface waters, waste water or soil.*

*Behaviour in sewage systems:*

*Further ecological effects:*

*No ecological data available.*

*AOX Value:*

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## 13. Disposal Considerations

### 13.1. Waste Treatment Methods

*Product:*

*Dispose of according to official national and local regulations.*

*European Waste Code (EWC):*

*Uncleaned packaging:*

*Dispose of according to official local regulations.*

*Waste Code No.:*

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## 14. Transport Information

### 14.1. UN Number

*ADR, IMDG, IATA*

3082

### 14.2. UN Proper Shipping Name

*ADR/RID:*

*UMWELTGEFÄHRDENDER STOFF, FLÜSSIG, N.A.G. (Bisphenol A, Diglycidyl Ether Resin)*

*IMDG/IATA:*

*ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Bisphenol A, Diglycidyl Ether Resin)*

### 14.3. Transport Hazard Classes

*ADR Class:*

9

*Hazard no.:*

9

*Classification code:*

M6

*Tunnel restriction code:*

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	<i>IMDG Class (sea):</i>	9
	<i>Hazard no.:</i>	9
	<i>EmS No.:</i>	F-A, S-F
	<i>IATA Class:</i>	9
	<i>Hazard no.:</i>	9
<b>14. 4.</b>	<b>Packaging Group</b>	
	<i>ADR/RID:</i>	III
	<i>IMDG:</i>	III
	<i>IATA:</i>	III
<b>14. 5.</b>	<b>Environmental Hazards</b>	
		<i>Labelling according 5.2.1.8 ADR/RID: fish and tree</i> <i>Labelling according 5.2.1.6.3 IMDG: fish and tree</i>
<b>14. 6.</b>	<b>Special Precautions for User</b>	
		<i>none known</i>
<b>14. 7.</b>	<b>Transportation in Bulk according to Annex II of MARPOL 73/78 and IBC-Code</b>	
		<i>not applicable</i>
<b>14. 8.</b>	<b>Further Information</b>	
<b>15.</b>	<b>Regulatory Information</b>	
<b>15. 1.</b>	<b>Safety, Health and Environmental Regulations/Legislation specific for the Substance or Mixture</b>	
	<i>Water hazard class:</i>	<i>2, hazardous for water (German Regulation)</i>
	<i>Local regulations on chemical accidents:</i>	
	<i>Employment restrictions:</i>	
	<i>Restriction and prohibition of application:</i>	
	<i>Technical instructions on air quality:</i>	
<b>15. 2.</b>	<b>Chemical Safety Assessment</b>	
		<i>A Chemical Safety Assessment has not been carried out for this product.</i>
<b>15. 3.</b>	<b>Further Information</b>	
		<i>Listed in the following inventories:</i> <i>EINECS (EU), TSCA (US), AICS (AUS), DSL (CA), PICCS (PH),</i> <i>ECL (KR), MITI (JP), IECSC (CN)</i> <i>SARA 311/312 - Hazard category: acute health; Canada: WHMIS</i> <i>hazard class: D2B (materials causing other toxic effects)</i>

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<b>16.</b>	<b>Other Information</b>	
		<i>This product should be stored, handled and used in accordance with good hygiene practices and in conformity with any legal regulations. This information contained herein is based on the present state of knowledge and is intended to describe our product from the point of view of safety requirements. It should be therefore not be construed as guaranteeing specific properties.</i>