



SAFETY DATA SHEET

XS part A

According to Appendix D, OSHA Hazard Communication Standard 29 CFR §1910.1200.

1. Identification

Product identifier

Product name XS part A

Recommended use of the chemical and restrictions on use

Application Resin.

Details of the supplier of the safety data sheet

Supplier 2K polymer systems, Inc.
7079-A Oakland Mills Rd,
Columbia,
MD 21046,
United States
Tel: (800) 999-7816
email:sds@2kps.net

Web www.2kps.net

Contact Person SDS@2kps.net

Emergency telephone number

Emergency telephone US Office Tel: (800) 999-7816 (Office Hours Only)

2. Hazard(s) identification

Classification of the substance or mixture

Physical hazards Not Classified

Health hazards Skin Sens. 1 - H317

Label elements

Hazard symbols



Signal word Warning

Hazard statements H317 May cause an allergic skin reaction.

Precautionary statements P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.
P302+P352 If on skin: Wash with plenty of water.
P333+P313 If skin irritation or rash occurs: Get medical advice/ attention.
P501 Dispose of contents/ container in accordance with national regulations.

Contains 2-HYDROXYPROPYL METHACRYLATE, REACTION MASS OF 2,2'-[(4-METHYLPHENYL)IMINO] BIETHANOL AND ETHANOL 2-[[2-(2-HYDROXYETHOXY)ETHYL](4-METHYLPHENYL)AMINO]-

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Labeling notes	<p>Not irritating. On basis of test data. OECD Test No. 439 The product is not flammable. On basis of test data. UN Test N.1 and ASTM D4359-90</p>
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3. Composition/information on ingredients

Mixtures

2-HYDROXYPROPYL METHACRYLATE	5-10%
CAS number: 27813-02-1	
Classification	
Eye Irrit. 2A - H319 Skin Sens. 1 - H317	
VINYL TOLUENE	5-10%
CAS number: 25013-15-4	
Classification	
Flam. Liq. 3 - H226 Acute Tox. 4 - H332 Skin Irrit. 2 - H315 Eye Irrit. 2A - H319 Asp. Tox. 1 - H304 Not relevant.	
TITANIUM DIOXIDE	>0.5 <1.0%
CAS number: 13463-67-7	
Classification	
Not Classified	
TRIPHENYLPHOSPHINE	<0.5%
CAS number: 603-35-0	
Classification	
Acute Tox. 4 - H302 Skin Sens. 1B - H317 STOT SE 2 - H371	

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REACTION MASS OF 2,2'-[(4-METHYLPHENYL) IMINO] BISETHANOL AND ETHANOL 2-[[2-(2-HYDROXYETHOXY)ETHYL](4-METHYLPHENYL)AMINO]- CAS number: 103671-44-9	<0.5%
Classification Acute Tox. 4 - H302 Skin Irrit. 2 - H315 Eye Dam. 1 - H318 Skin Sens. 1 - H317 Not relevant.	

The full text for all hazard statements is displayed in Section 16.

4. First-aid measures

Description of first aid measures

Ingestion	Never give anything by mouth to an unconscious person. Do not induce vomiting. Rinse mouth thoroughly with water. Get medical attention if any discomfort continues.
Skin Contact	Wash skin thoroughly with soap and water.
Eye contact	Rinse immediately with plenty of water. Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes. Get medical attention if irritation persists after washing. Show this Safety Data Sheet to the medical personnel.

Most important symptoms and effects, both acute and delayed

Ingestion	May cause discomfort if swallowed.
Skin contact	May cause irritation. May cause sensitization or allergic reactions in sensitive individuals.
Eye contact	May be slightly irritating to eyes.

Indication of immediate medical attention and special treatment needed

Notes for the doctor	No specific recommendations.
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5. Fire-fighting measures

Extinguishing media

Suitable extinguishing media Extinguish with foam, carbon dioxide or dry powder.

Special hazards arising from the substance or mixture

Specific hazards	Not considered to be a significant hazard due to the small quantities used.
Hazardous combustion products	Oxides of carbon.

Advice for firefighters

Protective actions during firefighting	Avoid breathing fire gases or vapors.
Special protective equipment for firefighters	Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

Personal precautions	Wear protective clothing as described in Section 8 of this safety data sheet.
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Environmental precautions

Environmental precautions Avoid release to the environment.

Methods and material for containment and cleaning up

Methods for cleaning up Collect and place in suitable waste disposal containers and seal securely. For waste disposal, see Section 13.

Reference to other sections Wear protective clothing as described in Section 8 of this safety data sheet. For waste disposal, see Section 13.

7. Handling and storage

Conditions for safe storage, including any incompatibilities

Storage precautions Store in tightly-closed, original container in a dry, cool and well-ventilated place. Keep away from oxidizing materials, heat and flames.

Storage class Chemical storage.

Specific end uses(s)

Specific end use(s) The identified uses for this product are detailed in Section 1.

8. Exposure controls/Personal protection

Control parameters

Occupational exposure limits

VINYL TOLUENE

Long-term exposure limit (8-hour TWA): OSHA 100 ppm 480 mg/m³

Long-term exposure limit (8-hour TWA): ACGIH 50 ppm

Short-term exposure limit (15-minute): ACGIH 100 ppm

A4

TITANIUM DIOXIDE

Long-term exposure limit (8-hour TWA): ACGIH 10 mg/m³

A4

Long-term exposure limit (8-hour TWA): OSHA 15 mg/m³ total dust

OSHA = Occupational Safety and Health Administration.

ACGIH = American Conference of Governmental Industrial Hygienists.

A4 = Not Classifiable as a Human Carcinogen.

Exposure controls

Protective equipment



Appropriate engineering controls

Provide adequate ventilation. Observe any occupational exposure limits for the product or ingredients.

Eye/face protection

Eyewear complying with an approved standard should be worn if a risk assessment indicates eye contact is possible.

Hand protection

It is recommended that chemical-resistant, impervious gloves are worn.

Other skin and body protection

Wear appropriate clothing to prevent any possibility of skin contact.

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Hygiene measures	Do not smoke in work area. Wash at the end of each work shift and before eating, smoking and using the toilet. Wash promptly if skin becomes contaminated. Promptly remove any clothing that becomes contaminated. Use appropriate skin cream to prevent drying of skin. When using do not eat, drink or smoke.
Respiratory protection	No specific recommendations. Respiratory protection may be required if excessive airborne contamination occurs.
Environmental exposure controls	Keep container tightly sealed when not in use.

9. Physical and chemical properties

Information on basic physical and chemical properties

Appearance	Solid.
Color	Beige.
Odor	Aromatic.
Odor threshold	Not determined.
pH	Not applicable.
Melting point	Not determined.
Initial boiling point and range	Not determined.
Flash point	Not determined.
Evaporation rate	Not determined.
Evaporation factor	Not determined.
Flammability (solid, gas)	Not determined.
Upper/lower flammability or explosive limits	Not determined.
Other flammability	Not determined.
Vapor pressure	Not determined.
Vapor density	Not determined.
Relative density	1.65 - 1.75 @ 20°C
Bulk density	Not applicable.
Solubility(ies)	Insoluble in water.
Partition coefficient	Not determined.
Auto-ignition temperature	Not determined.
Decomposition Temperature	Not determined.
Viscosity	Not applicable.
Explosive properties	Not considered to be explosive.
Explosive under the influence of a flame	Not considered to be explosive.
Oxidizing properties	Not determined.

10. Stability and reactivity

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Reactivity	The following materials may react with the product: Organic peroxides/hydroperoxides.
Stability	Stable at normal ambient temperatures.
Possibility of hazardous reactions	Does not decompose when used and stored as recommended.
Conditions to avoid	Avoid excessive heat for prolonged periods of time.
Materials to avoid	Organic peroxides/hydroperoxides.
Hazardous decomposition products	Oxides of carbon.

11. Toxicological informationInformation on toxicological effectsAcute toxicity - inhalation

ATE inhalation (vapours mg/l) 159.52

Skin corrosion/irritation

Skin corrosion/irritation Not irritating. OECD Test No. 439

Serious eye damage/irritation

Serious eye damage/irritation Not irritating. OECD Test No. 439

Ingestion

May cause discomfort if swallowed.

Skin Contact

May cause irritation. May cause sensitization or allergic reactions in sensitive individuals.

Eye contact

May cause irritation.

Route of exposure

Skin and/or eye contact

Toxicological information on ingredients.2-HYDROXYPROPYL METHACRYLATEAcute toxicity - oralAcute toxicity oral (LD₅₀ mg/kg) 11,200.0

Species Rat

ATE oral (mg/kg) 11,200.0

VINYL TOLUENEAcute toxicity - oralAcute toxicity oral (LD₅₀ mg/kg) 2,255.0

Species Rat

ATE oral (mg/kg) 2,255.0

Acute toxicity - dermal

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Acute toxicity dermal (LD₅₀) 4,500.0
mg/kg)

Species Rat

ATE dermal (mg/kg) 4,500.0

Acute toxicity - inhalation

ATE inhalation (vapours) 11.0
mg/l)

Carcinogenicity

IARC carcinogenicity IARC Group 3 Not classifiable as to its carcinogenicity to humans.

TITANIUM DIOXIDE**Acute toxicity - oral**

Acute toxicity oral (LD₅₀) 5,000.0
mg/kg)

Species Rat

Carcinogenicity

IARC carcinogenicity IARC Group 2B Possibly carcinogenic to humans.

REACTION MASS OF 2,2'-[(4-METHYLPHENYL) IMINO] BIETHANOL AND ETHANOL 2-[[2-(2-HYDROXYETHOXY)ETHYL][4-METHYLPHENYL)AMINO]-**Acute toxicity - oral**

ATE oral (mg/kg) 500.0

12. Ecological information**Ecological information on ingredients.****VINYL TOLUENE****Acute aquatic toxicity**

Acute toxicity - fish LC₅₀, 96 hours: 23.4 mg/l, Pimephales promelas (Fat-head Minnow)

Acute toxicity - aquatic invertebrates EC₅₀, 48 hours: 1.3 mg/l, Daphnia magna

Acute toxicity - aquatic plants EC₅₀, 72 hours: 2.6 mg/l, Selenastrum capricornutum

TITANIUM DIOXIDE**Acute aquatic toxicity**

Acute toxicity - fish LC₀, >: 1000 mg/l, Leuciscus idus (Golden orfe)
REACH dossier information

Acute toxicity - aquatic invertebrates NOEC, > 48 hours: 3 mg/l, Daphnia magna
REACH dossier information

Acute toxicity - microorganisms EC₅₀, > 3 hours: 1000 mg/l, Activated sludge
REACH dossier information

Bioaccumulative potential

XS part A**Bio-Accumulative Potential** No data available on bioaccumulation.**Partition coefficient** Not determined.**Ecological information on ingredients.****2-HYDROXYPROPYL METHACRYLATE****Partition coefficient** log Kow: 0.93**VINYL TOLUENE****Partition coefficient** log Pow: 3.36**Mobility in soil****Mobility** Not applicable.**Other adverse effects****Other adverse effects** Not applicable.**13. Disposal considerations****Waste treatment methods****General information** Dispose of waste product or used containers in accordance with local regulations**Disposal methods** Dispose of waste via a licensed waste disposal contractor.**14. Transport information****General** The product is not covered by international regulations on the transport of dangerous goods (IMDG, IATA, DOT).**UN Number****UN No. (International)** Not applicable.**UN No. (DOT)** Not applicable.**UN proper shipping name****Proper shipping name (International)** Not applicable.**Proper shipping name (DOT)** Not applicable.**Transport hazard class(es)****Transport Labels (International)** No transport warning sign required.**DOT transport labels**

No transport warning sign required.

Packing group**Packing group (International)** Not applicable.**DOT packing group** Not applicable.**Environmental hazards****Environmentally Hazardous Substance**

No.

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Special precautions for user

Not applicable.

DOT reportable quantity Not applicable.

DOT TIH Zone Not applicable.

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code Not applicable.

15. Regulatory information

Guidance Workplace Exposure Limits EH40.

US Federal Regulations

SARA Section 302 Extremely Hazardous Substances Tier II Threshold Planning Quantities

None of the ingredients are listed.

CERCLA/Superfund, Hazardous Substances/Reportable Quantities (EPA)

None of the ingredients are listed.

SARA Extremely Hazardous Substances EPCRA Reportable Quantities

None of the ingredients are listed.

SARA 313 Emission Reporting

None of the ingredients are listed.

CAA Accidental Release Prevention

None of the ingredients are listed.

FDA - Essential Chemical

None of the ingredients are listed.

FDA - Precursor Chemical

None of the ingredients are listed.

SARA (311/312) Hazard Categories

None of the ingredients are listed.

OSHA Highly Hazardous Chemicals

None of the ingredients are listed.

US State Regulations

California Proposition 65 Carcinogens and Reproductive Toxins

The following ingredients are listed:

California Air Toxics "Hot Spots" (A-I)

None of the ingredients are listed.

California Air Toxics "Hot Spots" (A-II)

None of the ingredients are listed or exempt.

California Directors List of Hazardous Substances

The following ingredients are listed:

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Massachusetts "Right To Know" List

The following ingredients are listed:

Rhode Island "Right To Know" List

The following ingredients are listed:

Minnesota "Right To Know" List

The following ingredients are listed:

New Jersey "Right To Know" List

The following ingredients are listed:

Pennsylvania "Right To Know" List

The following ingredients are listed:

Inventories

Canada - DSL/NDSL

All ingredients are listed.

US - TSCA

All ingredients are listed.

US - TSCA 12(b) Export Notification

None of the ingredients are listed.

16. Other information

General information	The product is not flammable. On basis of test data. UN Test N.1 and ASTM D4359-90 Not irritating. On basis of test data. OECD Test No. 439
Revision comments	NOTE: Lines within the margin indicate significant changes from the previous revision.
Revision date	7/13/2022
Version number	5.000
Supersedes date	10/28/2020
SDS No.	20672
Hazard statements in full	H226 Flammable liquid and vapor. H302 Harmful if swallowed. H304 May be fatal if swallowed and enters airways. H315 Causes skin irritation. H317 May cause an allergic skin reaction. H318 Causes serious eye damage. H319 Causes serious eye irritation. H332 Harmful if inhaled. H371 May cause damage to organs .

This 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. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty, guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.