

Safety Data Sheet

UN-GHS (Rev.3) (2009)

Status: 17.08.2011

Version: 4.2



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1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier

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acrylic polymer

1.2. Relevant identified uses of the substance or mixture and uses advised against

Recommended use(s): coating of plastics, PVC paint finish, aerosol paints

1.3. Details of the supplier of the safety data sheet

Evonik Industries AG
Plant Roehm Darmstadt
Chemicals Management
Kirschenallee
64293 Darmstadt
Germany
+49 6151 18 01

E-Mail: cmda@evonik.com

Information provided by :

+49 6151 18 40 76

Emergency telephone number

+49 6151 18 43 42

2. HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

This mixture is not classified according to GHS

GHS-Classification As per UN-GHS

Not applicable.

2.2. Label elements As per UN-GHS

Not applicable.

2.3. Other hazards

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substances

3.2. Mixtures

Hazardous Ingredients As per UN-GHS

Component	CAS-No.	Content	Hazard class / Hazard category / Hazard statement
acrylic copolymer	Polymer	>= 98.0 %	not applicable

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4. FIRST AID MEASURES

4.1. Description of first aid measures

Inhalation	In case of complaints get medical advice.
Skin contact	Wash off with water. Consult a physician if irritation persists.
Eye contact	If mechanical irritation occurs flush eyes thoroughly with a large amount of water, consult a physician if irritation persists.
Ingestion	In case of complaints get medical advice.

4.2. Most important symptoms and effects, both acute and delayed

None known

4.3. Indication of any immediate medical attention and special treatment needed

no

5. FIRE-FIGHTING MEASURES

5.1. Extinguishing media

Suitable extinguishing media	foam, dry chemical, carbon dioxide, water spray
Extinguishing media which must not be used for safety reasons	full water jet

5.2. Special hazards arising from the substance or mixture

None known

5.3. Advice for firefighters

Wear self-contained breathing apparatus.

6. ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Avoid dust formation. Use personal protective clothing. Use breathing apparatus if exposed to vapours/dust/mist/aerosol. High risk of slipping due to leakage/spillage of product.

6.2. Environmental precautions

Prevent product from getting into drains/surface water/groundwater.

6.3. Methods and material for containment and cleaning up

Take up mechanically. Dispose of in accordance with regulations.

6.4. Reference to other sections

For personal protection see section 8.

7. HANDLING AND STORAGE

7.1. Precautions for safe handling

Safe handling advice	Avoid the formation and deposition of dust.
Advice on protection against fire and explosion	Take precautionary measures against static discharges. In the event of fire, cool the endangered containers with water. Dust can form an explosive mixture with air.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage areas and containers	Storage: dry.
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7.3. Specific end use(s)

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no

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

see section 8.2.

8.2. Exposure controls

For monitoring procedures refer to for instance "Empfohlene Analysenverfahren für Arbeitsplatzmessungen", Schriftenreihe der Bundesanstalt für Arbeitsschutz and "NIOSH Manual of Analytical Methods", National Institute for Occupational Safety and Health

Protective measures	Do not inhale dust.
Hygiene measures	Follow the usual good standards of occupational hygiene. Clean skin thoroughly after work; apply skin cream.
Respiratory protection	respiratory protection in case of dust formation
Hand protection	protective gloves against mechanical risks according to EN 388
General information	Gloves should be replaced regularly, especially after extended contact with the product. For each work-place a suitable glove type has to be selected.
Eye protection	tightly fitting goggles

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Form	beads
Colour	colourless
Odour	faint characteristic odour
Glass Transition Temperature	121 °C
Boiling Temperature	not applicable
Flash point	not available
Ignition temperature	not available
Lower explosion limit	not available
Upper explosion limit	not available
Vapour pressure	not applicable
Density	not available
Bulk density	approx. 710 kg/m ³
Solubility in water	insoluble
Solubility (qualitative)	in e.g. esters, ketones and chlorinated hydrocarbons: readily soluble
pH	not applicable
n-Octanol/water partition coefficient	not applicable
Viscosity (dynamic)	not applicable

9.2. Other information

Dust explosions are generally to be expected with dust-forming organic products.

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10. STABILITY AND REACTIVITY

10.1. Reactivity

see section 10.2.

10.2. Chemical Stability

No decomposition if stored and applied as directed.

10.3. Possibility of hazardous reactions

No hazardous reactions known.

10.4. Conditions to avoid

Depolymerization begins at 250 °C

10.5. Incompatible materials

oxidizing agents

10.6. Hazardous decomposition products

No hazardous decomposition products known.

11. TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

toxicokinetics, metabolism and distribution	The substance is practically not bioavailable (structure-activity-relationships) (analogy)
Acute Oral Toxicity	no specific test data available no evidence for hazardous properties (structure-activity-relationships) (analogy)
Caustic burning / irritation of skin	no specific test data available no evidence for hazardous properties (structure-activity-relationships) (analogy)
Serious eye damage/eye irritation	no specific test data available no evidence for hazardous properties (structure-activity-relationships) (analogy)
Respiratory/skin sensitization	no specific test data available no evidence for hazardous properties (structure-activity-relationships) (analogy)
Aspiration hazard	no specific test data available no evidence for hazardous properties (structure-activity-relationships) (analogy)
Mutagenicity assessment	no specific test data available no evidence for hazardous properties (structure-activity-relationships) (analogy)

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Carcinogenicity	no specific test data available no evidence for hazardous properties (structure-activity-relationships) (analogy)
Reprotoxicity / teratogenicity	no specific test data available no evidence for hazardous properties (structure-activity-relationships) (analogy)
Human health hazard assessment	CMR: no, no specific test data available, (structure-activity-relationships), (analogy)
Specific Target Organ Toxicity - Single exposure	no specific test data available no evidence for hazardous properties (structure-activity-relationships) (analogy)
Specific Target Organ Toxicity - Repeated exposure	no specific test data available no evidence for hazardous properties (structure-activity-relationships) (analogy)
General information	The product has not been tested toxicologically. When handled and used as directed the product will not cause hazardous effects to health according to studies on similar products and practical experience. The fine particles contained in the product may cause mechanical irritations of the skin, eyes and mucous membranes. Avoid skin and eye contact and inhalation of product dust/aerosols.

12. ECOLOGICAL INFORMATION

12.1. Toxicity

Hazardous to the aquatic environment no specific test data available no evidence for hazardous properties, (structure-activity-relationships), (analogy)

12.2. Persistence and degradability

Persistence and degradability no specific test data available no evidence for hazardous properties, (structure-activity-relationships), (analogy)

12.3. Bioaccumulative potential

Bioaccumulation no specific test data available
no evidence for hazardous properties
(structure-activity-relationships)
(analogy)

12.4. Mobility in soil

Mobility no specific test data available no evidence for hazardous properties (structure-activity-relationships) (analogy)

12.5. Results of PBT and vPvB assessment

PBT and vPvB assessment PBT: no
vPvB: no

12.6. Other adverse effects

General Information The product has not been tested ecotoxicologically. On the basis of the products consistency as well as its low water solubility a bioavailability is unlikely. Studies on products with similar composition confirm this assumption. Do not allow to enter soil, waterways or waste water.

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13. DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Product	Waste is non-hazardous. It should be disposed of in accordance with the regulations after consultation of the competent local authorities and the disposal company in a suitable and licensed facility.
Uncleaned packaging	Contaminated packaging should be emptied optimally and after appropriate professional cleansing may be taken for reuse. Packaging that cannot be cleaned should be disposed of professionally. Uncontaminated packaging may be taken for recycling.

14. TRANSPORT INFORMATION

14.1. UN number

see section 14.2.

14.2. UN proper shipping name

Land transport ADR/GGVSEB

Not a dangerous good within the meaning of transportation regulations.

Land transport RID/GGVSEB

Not a dangerous good within the meaning of transportation regulations.

Inland waterway transport ADN/GGVSEB (Germany)

Not a dangerous good within the meaning of transportation regulations.

Shipment by sea IMDG/GGVSee

Not a dangerous good within the meaning of transportation regulations.

Air transport ICAO/IATA

Not a dangerous good within the meaning of transportation regulations.

14.3. Transport hazard class(es)

see section 14.2.

14.4. Packing group

see section 14.2.

14.5. Environmental hazards

if not mentioned in Point 14.2 then it does not apply

14.6. Special precautions for user

see section 14.2.

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

for transport approval see regulatory information

15. REGULATORY INFORMATION

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

Classification as per Directive 67/548/EC or Directive 1999/45/EC

Labelling in accordance with EC directives not applicable

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National legislation

Status of Registration

REACH (EU)	preregistered, registered or exempted
TSCA (USA)	listed or exempted
DSL (CDN)	listed or exempted
AICS (AUS)	listed or exempted
METI (J)	listed or exempted
ECL (KOR)	listed or exempted
PICCS (RP)	listed or exempted
IECSC (CN)	listed or exempted
HSNO (NZ)	listed or exempted

16. OTHER INFORMATION

Other information

none

References

relevant manuals and publications
own examinations
own toxicological and ecotoxicological studies
toxicological and ecotoxicological studies of other manufacturers
SIAR
OECD-SIDS
RTK public files

Places marked by || have been amended from the last version.

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