

Safety Data Sheet

in accordance with regulation (EC) 1907/2006

Status: 23.08.2012

Version: 1.1



PLEXIGLAS® Film

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

1.1. Product identifier

PLEXIGLAS® Film

Substance name: acrylic polymer

CAS-No.: -

CLP-No.: -

REACH-No.: -

EINECS-No.: -

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

Recommended use(s): film

Non-recommended use(s): None known.

1.3. Details of the supplier of the safety data sheet

Evonik Performance Materials GmbH
Product Stewardship
Kirschenallee
64293 Darmstadt
Germany
+49 6151 18 01

E-Mail: sds-info-epm@evonik.com

Information provided by :
+49 6151 18 40 76

1.4. Emergency telephone number

+49 6151 18 43 42 (Interpreting service available)

2. HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

This article is not classified according to GHS

Regulation (EC) No 1272/2008

Not applicable.

2.2. Label elements

Regulation (EC) No 1272/2008

Not applicable.

On the basis of the toxicological and ecotoxicological findings on analogue products we have available up to now, labelling according to GHS does not apply.

Directive 67/548/EC or Directive 1999/45/EC

Labelling in accordance with not applicable

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directive 1999/45/EC

Additional Information on
Classification

On the basis of the toxicological and ecotoxicological findings on analogue products we have available up to now, labelling according to EC-directive 1999/45/EC does not apply.

2.3. Other hazards

None known

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substances

Regulation (EC) No 1272/2008

Not applicable.

Directive 67/548/EC or Directive 1999/45/EC

Not applicable.

3.2. Mixtures

4. FIRST AID MEASURES

4.1. Description of first aid measures

Inhalation	No specific treatment is necessary since this material is not likely to be hazardous by inhalation.
Skin contact	No specific treatment is necessary since this material is not likely to be hazardous.
Eye contact	If mechanical irritation occurs flush eyes thoroughly with a large amount of water, consult a physician if irritation persists. (possible during machining processes)
Ingestion	Ingestion is not considered a potential route of exposure.

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

Treat symptomatically.

5. FIRE-FIGHTING MEASURES

5.1. Extinguishing media

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

5.2. Special hazards arising from the substance or mixture

In case of fire partly flammable, partly harmful vapours, which are irritating to the eyes and respiratory system, may be formed on thermal decomposition.

5.3. Advice for firefighters

Wear self-contained breathing apparatus.

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Flash point	ca. 400 °C
Lower explosion limit	not applicable
Upper explosion limit	not applicable
Vapour pressure	not applicable
Density	ca. 1.15 g/cm ³
Relative vapour density (related to air)	not applicable
Solubility in water	insoluble
pH	not applicable
Viscosity (dynamic)	not applicable

9.2. Other information

none

10. STABILITY AND REACTIVITY

10.1. Reactivity

see section 10.2.

10.2. Chemical Stability

This material is considered stable under specified conditions of storage, shipment and/or use.

10.3. Possibility of hazardous reactions

No hazardous reactions known.

10.4. Conditions to avoid

High temperature. Depolymerization begins at 250 °C

10.5. Incompatible materials

None reasonably foreseeable.

10.6. Hazardous decomposition products

In case of thermal decomposition, combustible vapours are formed, which are irritating to eyes and respiratory system, mainly consisting of: methyl methacrylate, n-butyl acrylate

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)

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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)
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)
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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. Prevent substance from entering soil, natural bodies of water and sewer systems.

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 Uncontaminated packaging may be taken for recycling.

Code of waste EWC 07 02 13
waste from the manufacture, formulation, supply and use (MFSU) of plastics, synthetic rubber and man-made fibres - waste plastic

Always check the given waste codes according to the actual conditions of manufacturing, formulation or use in your facilities.

14. TRANSPORT INFORMATION

14.1. UN number

see section 14.2.

14.2. UN proper shipping name

Land transport ADR/GGVSEB

Not dangerous according to transport regulations.

Land transport RID/GGVSEB

Not dangerous according to transport regulations.

Inland waterway transport ADN/GGVSEB (Germany)

Not dangerous according to transport regulations.

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Shipment by sea IMDG/GGVSee

Not dangerous according to transport regulations.

Air transport ICAO/IATA

Not dangerous according to transport 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

National legislation

Status of Registration

REACH (EU)	listed 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.

This information and all further technical advice is based on our present knowledge and experience. However, it implies no liability or other legal responsibility on our part, including with regard to existing third party intellectual property rights, especially patent rights. In particular,

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