

Safety data sheet

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BASF Safety data sheet according to UN GHS 4th rev.

Date / Revised: 05.11.2018

Product: **Cavipor X0**

Version: 4.0

(ID no. 30694650/SDS_GEN_00/EN)

Date of print 05.11.2018

1. Identification

Product identifier

Cavipor X0

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

Relevant identified uses: Raw material

Details of the supplier of the safety data sheet

Company:

BASF SE

67056 Ludwigshafen

GERMANY

Monomers Division E-CML

Telephone: +49 621 60-97724

E-mail address: tilman.reiner@basf.com

Emergency telephone number

International emergency number:

Telephone: +49 180 2273-112

2. Hazards Identification

Classification of the substance or mixture

According to UN GHS criteria

| No need for classification according to GHS criteria for this product.

Label elements

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Globally Harmonized System (GHS)

The product does not require a hazard warning label in accordance with GHS criteria.

3. Composition/Information on Ingredients

Substances

Not applicable

Mixtures

Chemical nature

Hazardous ingredients (GHS)

According to UN GHS criteria

glyoxal...%

Content (W/W): $\geq 0\%$ - $\leq 0,99\%$

CAS Number: 107-22-2

EC-Number: 203-474-9

Acute Tox. 5 (oral)

Acute Tox. 4 (Inhalation - mist)

Skin Corr./Irrit. 2

Eye Dam./Irrit. 2B

Skin Sens. 1

Muta. 2

STOT SE 3 (irr. to respiratory syst.)

Aquatic Acute 3

H320, H315, H332, H303, H317, H335, H341,
H402

For the classifications not written out in full in this section the full text can be found in section 16.

4. First-Aid Measures

Description of first aid measures

Remove contaminated clothing.

If inhaled:

Keep patient calm, remove to fresh air, seek medical attention.

On skin contact:

Wash thoroughly with soap and water.

On contact with eyes:

Wash affected eyes for at least 15 minutes under running water with eyelids held open, consult an eye specialist.

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On ingestion:

Immediately rinse mouth and then drink 200-300 ml of water, seek medical attention.

Indication of any immediate medical attention and special treatment needed

Treatment: Treat according to symptoms (decontamination, vital functions), no known specific antidote.

5. Fire-Fighting Measures

Extinguishing media

Suitable extinguishing media:

water spray, foam, dry powder, carbon dioxide

Special hazards arising from the substance or mixture

nitrogen oxides, carbon oxides

The substances/groups of substances mentioned can be released in case of fire.

Advice for fire-fighters

Special protective equipment:

Wear self-contained breathing apparatus and chemical-protective clothing.

Further information:

Collect contaminated extinguishing water separately, do not allow to reach sewage or effluent systems.

6. Accidental Release Measures

Personal precautions, protective equipment and emergency procedures

Avoid contact with the skin, eyes and clothing.

Environmental precautions

Do not discharge into drains/surface waters/groundwater.

Methods and material for containment and cleaning up

For large amounts: Pump off product.

For residues: Pick up with suitable absorbent material (e.g. sand, sawdust, general-purpose binder, kieselguhr). Dispose of absorbed material in accordance with regulations.

7. Handling and Storage

Conditions for safe storage, including any incompatibilities

Storage stability:

Storage duration: 6 Months

8. Exposure Controls/Personal Protection

Control parameters

Components with occupational exposure limits

| 107-22-2: glyoxal...%

Exposure controls

Personal protective equipment

General safety and hygiene measures

When using, do not eat, drink or smoke. Avoid contact with skin and eyes. Remove soiled or soaked clothing immediately. Wash off any contamination that gets onto the skin with plenty of water and soap, skin care.

9. Physical and Chemical Properties

Information on basic physical and chemical properties

Form:	liquid	
Odour:	product specific	
Odour threshold:	Not determined due to potential health hazard by inhalation.	
pH value:	3,5 - 5,0 (400 g/l, 20 °C)	
melting range:	-10 - 0 °C	(OECD Guideline 102)
Boiling point:	103,6 °C (1.013 hPa)	(Directive 92/69/EEC, A.2)
Flash point:		
Flammability:	Non-flammable. not flammable	(derived from flash point)
Ignition temperature:	approx. > 285 °C The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.	(DIN 51794)
Vapour pressure:	20,2 hPa (20 °C) Information applies to the solvent.	(Directive 92/69/EEC, A.4)
	106,7 hPa (50 °C) Information applies to the solvent.	(Directive 92/69/EEC, A.4)
Density:	approx. 1,05 - 1,10 g/cm ³ (20 °C)	(Directive 92/69/EEC, A.3)
Solubility in water:	miscible (approx. 20 °C)	(Directive 92/69/EEC, A.6)

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Partitioning coefficient n-octanol/water (log Kow):	-1,15 (approx. 23 °C; pH value: 7)	(OECD Guideline 107)
Self ignition:	Based on its structural properties the product is not classified as self-igniting.	Test type: Spontaneous self-ignition at room-temperature.
Viscosity, dynamic:	8,37 mPa.s (20 °C)	(OECD 114)
	4,25 mPa.s (40 °C)	(OECD 114)

Other information

Self heating ability: It is not a substance capable of spontaneous heating.

10. Stability and Reactivity**Reactivity**

No hazardous reactions if stored and handled as prescribed/indicated.

Formation of flammable gases:	Remarks:	Forms no flammable gases in the presence of water.
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Chemical stability

The product is stable if stored and handled as prescribed/indicated.

Possibility of hazardous reactions

Reacts with strong alkalies. Exothermic reaction.

Conditions to avoid

Temperature: > 50 °C

See MSDS section 7 - Handling and storage.

Incompatible materials

Substances to avoid:
strong alkalies

Hazardous decomposition products

Hazardous decomposition products:

No hazardous decomposition products if stored and handled as prescribed/indicated.

11. Toxicological Information

Information on toxicological effects

Acute toxicity

Assessment of acute toxicity:

Of low toxicity after single ingestion. Virtually nontoxic after a single skin contact. Of moderate toxicity after short-term inhalation.

Irritation

Assessment of irritating effects:

Eye contact causes irritation.

Serious eye damage/irritation rabbit: Irritant. (OECD Guideline 405)

Respiratory/Skin sensitization

Experimental/calculated data:

Guinea pig maximization test guinea pig: skin sensitizing (OECD Guideline 406)

Human Maximization Test human: skin sensitizing (Patch test)

Literature data.

Aspiration hazard

No aspiration hazard expected.

Other relevant toxicity information

The product has not been tested. The statement has been derived from the properties of the individual components.

12. Ecological Information

13. Disposal Considerations

Waste treatment methods

Must be disposed of or incinerated in accordance with local regulations.

Contaminated packaging:

Uncontaminated packaging can be re-used.

Packs that cannot be cleaned should be disposed of in the same manner as the contents.

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14. Transport Information

Land transport

ADR

	Not classified as a dangerous good under transport regulations
UN number:	Not applicable
UN proper shipping name:	Not applicable
Transport hazard class(es):	Not applicable
Packing group:	Not applicable
Environmental hazards:	Not applicable
Special precautions for user:	None known

RID

	Not classified as a dangerous good under transport regulations
UN number:	Not applicable
UN proper shipping name:	Not applicable
Transport hazard class(es):	Not applicable
Packing group:	Not applicable
Environmental hazards:	Not applicable
Special precautions for user:	None known

Inland waterway transport

ADN

	Not classified as a dangerous good under transport regulations
UN number:	Not applicable
UN proper shipping name:	Not applicable
Transport hazard class(es):	Not applicable
Packing group:	Not applicable
Environmental hazards:	Not applicable
Special precautions for user:	None known

Transport in inland waterway vessel

Not evaluated

Sea transport

IMDG

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UN number:	Not applicable
UN proper shipping name:	Not applicable
Transport hazard class(es):	Not applicable
Packing group:	Not applicable
Environmental hazards:	Not applicable
Special precautions for user	None known

Air transport

IATA/ICAO

	Not classified as a dangerous good under transport regulations
UN number:	Not applicable
UN proper shipping name:	Not applicable
Transport hazard class(es):	Not applicable
Packing group:	Not applicable
Environmental hazards:	Not applicable
Special precautions for user	None known

Transport in bulk according to Annex II of MARPOL and the IBC Code

Regulation:	Not evaluated
Shipment approved:	Not evaluated
Pollution name:	Not evaluated
Pollution category:	Not evaluated
Ship Type:	Not evaluated

15. Regulatory Information**Safety, health and environmental regulations/legislation specific for the substance or mixture**

Not applicable

16. Other Information

Full text of classifications, hazard symbols and hazard statements, if mentioned in section 2 or 3:

Acute Tox.	Acute toxicity
Skin Corr./Irrit.	Skin corrosion/irritation
Eye Dam./Irrit.	Serious eye damage/eye irritation
Skin Sens.	Skin sensitization
Muta.	Germ cell mutagenicity
STOT SE	Specific target organ toxicity — single exposure
Aquatic Acute	Hazardous to the aquatic environment - acute

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H320	Causes eye irritation.
H315	Causes skin irritation.
H332	Harmful if inhaled.
H303	May be harmful if swallowed.
H317	May cause an allergic skin reaction.
H335	May cause respiratory irritation.
H341	Suspected of causing genetic defects.
H402	Harmful to aquatic life.

The data contained in this safety data sheet are based on our current knowledge and experience and describe the product only with regard to safety requirements. This safety data sheet is neither a Certificate of Analysis (CoA) nor technical data sheet and shall not be mistaken for a specification agreement. Identified uses in this safety data sheet do neither represent an agreement on the corresponding contractual quality of the substance/mixture nor a contractually designated use. It is the responsibility of the recipient of the product to ensure any proprietary rights and existing laws and legislation are observed.

Vertical lines in the left hand margin indicate an amendment from the previous version.