

EPX Primer - Comp. A

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

EPX Primer, two component solvent-free epoxy based primer, Comp. A.

1.2 Relevant identified uses of the substance or mixture

1.2.1 Use of the substance/mixture

Used on structural elements to increase adherence with epoxy resins (A-component, resin).

1.3 Details of the supplier of the safety data sheet

Company name: Sozeri Industry Co. Inc.
Adress: Ankara-Izmir Road Turgutlu 8. Km
Manisa/Turkey
Telephone: +90 (212) 276 62 62
Internet: www.tic-m.com
Email: info@tic-m.com

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

2.1.1 According to Regulation (EC) No 1272/2008 [CLP]

Hazard categories:

Skin Corr./Irrit. 2

Eye Dam./Irrit. 2

Skin Sens. 1

Aquatic Chronic 2

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

2.2 Label elements

2.2.1 Globally Harmonized System, EU (GHS)

Signal word: Warning

Pictograms:



Hazard statements

H319 Causes serious eye irritation.

H315 Causes skin irritation.

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H317 May cause an allergic skin reaction.
H411 Toxic to aquatic life with long lasting effects.

Precautionary statements

Prevention

P280 Wear protective gloves/protective clothing/eye protection/face protection.
P261 Avoid breathing dust/fume/gas/mist/vapors/spray.
P273 Avoid release to the environment.
P272 Contaminated work clothing should not be allowed out of the work.
P264 Wash with plenty of water and soap thoroughly after handling.

Response

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P303 + P361 IF ON SKIN (or hair): Wash with plenty of soap and water.
P333 + P313 If skin irritation or rash occurs: Call a POISON CENTER or doctor/physician.
P332 + P364 Take off contaminated clothing and wash it before reuse.
P391 Collect spillage.
P337 + P311 If eye irritation persists: Call a POISON CENTER or doctor/physician.

Disposal

P501 Dispose of contents/container in accordance with local/regional/national/international regulation.

According to Regulation (EC) No 1272/2008 [CLP]

Labeling of special preparations (GHS):

EUH205: Contains epoxy constituents. May produce an allergic reaction.

Hazard determining component(s) for labelling: reaction product: bisphenol-A-(epichlorohydrin).

2.3 Other hazards

According to Regulation (EC) No 1272/2008 [CLP]

If applicable information is provided in this section on other hazards which do not result in classification but which may contribute to the overall hazards of the substance or mixture.

SECTION 3: Composition/information on ingredients

3.1 Substances

Not applicable

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3.2 Mixtures

Chemical Nature

Preparation based on: epoxy resin

Hazardous ingredients (GHS)

according to Regulation (EC) No. 1272/2008

CAS No	Chemical name			Quantity
	EC No	Index No	REACH No	
	GHS Classification			
25068-38-6	bisphenol-A-(epichlorohydrin)			>= 75 % - < 100 %
	500-033-5	603-074-00-8	01-2119456619-26	
	Skin Corr./Irrit. 2, Eye Dam./Irrit. 2, Skin Sens. 1, Aquatic Chronic 2, H319, H315, H317, H411			
68609-97-2	oxirane, mono[(C12-14-alkyloxy)methyl] derivs.			>= 10 % - < 20 %
	271-846-8	603-103-00-4	01-2119485289-22	
	Flam. Liq. 3, Acute Tox. 4, Skin Irrit. 2, Eye Irrit. 2, Aquatic Chronic 3; H226 H332 H315 H319 H412			

Full text of H and EUH statements: see section 16.

SECTION 4: First aid measures

4.1 Description of first aid measures

4.1.1 General information

First aid personnel should pay attention to their own safety. Immediately remove contaminated clothing.

4.1.2 After inhalation

Provide fresh air. When in doubt or if symptoms are observed, get medical advice.

4.1.3 After contact with skin

After contact with skin, wash immediately with plenty of water and soap. Take off immediately all contaminated clothing and wash it before reuse. Medical treatment necessary.

4.1.4 After contact with eyes

In case of contact with eyes flush immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart and consult an ophthalmologist. Remove contact lenses, if present and easy to do. Continue rinsing.

4.1.5 After ingestion

Do NOT induce vomiting. Rinse mouth thoroughly with water. Medical treatment necessary.

4.2 Most important symptoms and effects, both acute and delayed

Symptoms: Eye irritation, skin irritation, allergic contact dermatitis.

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4.3 Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures

5.1 Extinguishing media

5.1.1 Suitable extinguishing media

Foam, water spray, dry powder, carbon dioxide.

5.1.2 Unsuitable extinguishing media

Water jet

5.2 Special hazards arising from the substance or mixture

Carbon dioxide, carbon monoxide, harmful vapors, nitrogen oxides, fumes/smoke, carbon black.

5.3 Advice for firefighters

Wear a self-contained breathing apparatus and chemical protective clothing. In case of fire and/or explosion do not breathe fumes.

Additional information

The degree of risk is governed by the burning substance and the fire conditions. If exposed to fire, keep containers cool by spraying with water. Collect contaminated extinguishing water separately, do not allow to reach sewage or effluent systems. Contaminated extinguishing water must be disposed of in accordance with official regulations.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment, and emergency procedures

Do not breathe vapor/aerosol/spray mists. Wear eye/face protection. If exposed to high vapor concentration, leave area immediately. Use personal protective clothing. Handle in accordance with good building materials hygiene and safety practice.

6.2 Environmental precautions

Contain contaminated water/firefighting water. Do not discharge into drains/surface waters/groundwater.

6.3 Methods and material for containment and cleaning up

For small amounts: Pick up with inert absorbent material (e.g. sand, earth etc.). Dispose of contaminated material as prescribed.

For large amounts: Pump off product.

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6.4 Reference to other sections

Information regarding exposure controls/personal protection and disposal considerations can be found in section 8 and 13.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

7.1.1 Advice on safe handling

Avoid aerosol formation. Avoid inhalation of mists/vapors. Avoid skin contact. No special measures necessary provided product is used correctly.

Protection against fire and explosion:

Product is not explosive.

7.2 Conditions for safe storage, including any incompatibilities

7.2.1 Suitable materials for containers

tinned carbon steel (Tinplate), Carbon steel (Iron), Polypropylene (PP).

7.2.2 Further information on storage conditions

Keep only in the original container in a cool, dry, well-ventilated place away from ignition sources, heat or flame. Protect from direct sunlight.

7.3 Specific end use(s)

For the relevant identified use(s) listed in Section 1 the advice mentioned in this section 7 is to be observed.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Components with occupational exposure limits

No occupational exposure limits known.

8.2 Exposure controls



8.2.1 Appropriate engineering controls

Provide adequate ventilation. If local exhaust ventilation is not possible or not sufficient, the entire working area must be ventilated by technical means.

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8.2.2 Protective and hygiene measures

Do not inhale gases/vapors/aerosols. Avoid contact with the skin, eyes and clothing. Avoid exposure - obtain special instructions before use. Handle in accordance with good building materials hygiene and safety practice. Wearing of closed work clothing is recommended. When using, do not eat, drink or smoke. Hands and/or face should be washed before breaks and at the end of the shift. At the end of the shift the skin should be cleaned and skin-care agents applied. Gloves must be inspected regularly and prior to each use. Replace if necessary (e.g. pinhole leaks).

8.2.3 Eye/face protection

Safety glasses with side-shields (e.g. EN 166).

8.2.4 Hand protection

Chemical resistant protective gloves (EN 374)

Manufacturer's directions for use should be observed because of great diversity of types.

Suitable materials also with prolonged, direct contact (Recommended: Protective index 6, corresponding > 480 minutes of permeation time according to EN 374):

butyl rubber (butyl) - 0.7 mm coating thickness

fluor elastomer (FKM) - 0.7 mm coating thickness

Suitable materials for short-term contact (recommended: At least protective index 2, corresponding > 30 minutes of permeation time according to EN 374)

polyvinylchloride (PVC) - 0.7 mm coating thickness

chloroprene rubber (CR) - 0.5 mm coating thickness

nitrile rubber (NBR) - 0.4 mm coating thickness

8.2.5 Skin protection

Skin protection must be chosen depending on activity and possible exposure, e.g. apron, protecting boots, chemical-protection suit (according to EN 14605 in case of splashes or EN ISO 13982 in case of dust).

8.2.6 Respiratory protection

Wear respiratory protection if ventilation is inadequate. Combination filter for gases/vapors of organic, inorganic, acid inorganic and alkaline compounds (e.g. EN 14387 Type ABEK).

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state:	liquid
Color:	clear to slightly amber
Odor:	characteristic
Odor threshold:	No applicable information available.

pH-Value:	The product has not been tested.
Melting point:	not determined
Initial boiling point and boiling range:	not determined
Flash point:	not applicable
Flammability:	not flammable
Lower explosion limits:	not applicable
Upper explosion limits:	not applicable
Ignition temperature:	Study does not need to be conducted.
Vapor pressure:	< 0.5 hPa (25 °C)
Density (at 23 °C):	1.13 g/cm ³
Solubility in water:	insoluble
Partition coefficient: n-octanol/water (log Kow)	not applicable for mixtures
Self-ignition:	not self-igniting
Thermal decomposition:	No decomposition if stored and handled as prescribed/indicated.
Viscosity, dynamic:	(23 °C) not applicable
Explosion hazard:	not explosive
Fire promoting properties:	not fire-propagating

9.2 Other information

Miscibility with water:	immiscible
Solid content:	100 % (calculated)
Other information:	If necessary, information on other physical and chemical parameters is indicated in this section.

SECTION 10: Stability and reactivity

10.1 Reactivity

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

Corrosion to metals: No corrosive effect on metal.

10.2 Chemical stability

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

10.3 Possibility of hazardous reactions

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

10.4 Conditions to avoid

See MSDS section 7 - Handling and storage.

10.5 Incompatible materials

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Substances to avoid:

Strong acids, strong bases, strong oxidizing agents, strong reducing agents.

10.6 Hazardous decomposition products

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

SECTION 11: Toxicological information

11.1 Information on toxicological effects

11.1.1 Acute toxicity

Virtually nontoxic after a single ingestion. Based on available data, the classification criteria are not met.

11.1.2 Irritation and corrosivity

Eye contact causes irritation. Skin contact causes irritation.

11.1.3 Respiratory/ Skin sensitization

Sensitization after skin contact possible.

11.1.4 Germ cell mutagenicity

The chemical structure does not suggest a specific alert for such an effect. Based on available data, the classification criteria are not met.

11.1.5 Carcinogenicity

Based on the ingredients there is no suspicion of a carcinogenic effect in humans. Based on available data, the classification criteria are not met.

11.1.6 Reproductive toxicity

The chemical structure does not suggest a specific alert for such an effect. Based on available data, the classification criteria are not met.

11.1.7 Developmental toxicity

The chemical structure does not suggest a specific alert for such an effect. Based on available data, the classification criteria are not met.

11.1.8 STOT-single exposure

Based on available data, the classification criteria are not met.

11.1.9 STOT-repeated exposure

No reliable data was available concerning repeated dose toxicity. Based on available data, the classification criteria are not met.

11.1.10 Aspiration hazard

No aspiration hazard expected.

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Further information

Based on our experience and the information available, no adverse health effects are expected if handled as recommended with suitable precautions for designated uses. The product has not been tested. The statements on toxicology have been derived from the properties of the individual components.

SECTION 12: Ecological information

12.1 Toxicity

Acutely toxic for aquatic organisms. May cause long-term adverse effects in the aquatic environment. The inhibition of the degradation activity of activated sludge is not anticipated when introduced to biological treatment plants in appropriate low concentrations.

12.2 Persistence and degradability

Assessment biodegradation and elimination (H₂O):

Not readily biodegradable (by OECD criteria).

The product is virtually insoluble in water and can thus be separated from water mechanically in suitable effluent treatment plants.

12.3 Bio accumulative potential

Bioaccumulation potential:

Because of the product's consistency and low water solubility, bioavailability is improbable.

12.4 Mobility in soil

Volatility: The substance will not evaporate into the atmosphere from the water surface.

Adsorption in soil: Following exposure to soil, adsorption to solid soil particles is probable, therefore contamination of groundwater is not expected.

12.5 Results of PBT and vPvB assessment

The product does not fulfill the criteria for PBT (Persistent/bio accumulative/toxic) and vPvB (very persistent/very bio accumulative).

12.6 Other adverse effects

The product does not contain substances that are listed in Annex I of Regulation (EC) 2037/2000 on substances that deplete the ozone layer.

12.7 Additional information

Other ecotoxicological advice:

Do not discharge product into the environment without control. The product has not been tested. The statements on ecotoxicology have been derived from the properties of the individual components.

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SECTION 13: Disposal considerations

13.1 Waste treatment methods

Observe national and local legal requirements.

Residues should be disposed of in the same manner as the substance/product.

13.1.1 Contaminated packaging

Contaminated packaging should be emptied as far as possible; then it can be passed on for recycling after being thoroughly cleaned.

SECTION 14: Transport information

Land transport

ADR

UN number: UN3082
 UN proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (contains BISPHENOL-A-EPICHLORHYDRIN RESINS M <=700)
 Transport hazard class(es): 9, EHS
 Packing group: III
 Environmental hazards: Yes
 Special precautions for user: None known

RID

UN number: UN3082
 UN proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (contains BISPHENOL-A-EPICHLORHYDRIN RESINS M <=700)
 Transport hazard class(es): 9, EHS
 Packing group: III
 Environmental hazards: Yes
 Special precautions for user: None known

Inland waterway transport

AND

UN number: UN3082
 UN proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (contains BISPHENOL-A-EPICHLORHYDRIN RESINS M <=700)
 Transport hazard class(es): 9, EHS
 Packing group: III
 Environmental hazards: Yes
 Special precautions for user: None known

Sea transport

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IMDG

UN number: UN3082
UN proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (contains BIPHENOL-A-EPICHLORHYDRIN RESINS M <=700)
Transport hazard class(es): 9, EHS
Packing group: III
Environmental hazards: Yes
Marine pollutant: Yes
Special precautions for user: None known

Air transport

IATA/ICAO

UN number: UN3082
UN proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (contains BIPHENOL-A-EPICHLORHYDRIN RESINS M <=700)
Transport hazard class(es): 9, EHS
Packing group: III
Environmental hazards: Yes
Special precautions for user: None known

14.1 UN number

See corresponding entries for “UN number” for the respective regulations in the tables above.

14.2 UN proper shipping name

See corresponding entries for “UN proper shipping name” for the respective regulations in the tables above.

14.3 Transport hazard class(es)

See corresponding entries for “Transport hazard class(es)” for the respective regulations in the tables above.

14.4 Packing group

See corresponding entries for “Packing group” for the respective regulations in the tables above.

14.5 Environmental hazard

See corresponding entries for “Environmental hazards” for the respective regulations in the tables above.

14.6 Special precautions for user

See corresponding entries for “Special precautions for user” for the respective regulations in the tables above.

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14.7 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

SECTION 15: Regulatory information

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

If other regulatory information applies that is not already provided elsewhere in this safety data sheet, then it is described in this subsection.

15.2 Chemical Safety Assessment

Chemical Safety Assessment not required.

SECTION 16: Other information

Full text of the classifications, including the hazard classes and the hazard statements

Skin Corr. /Irrit.	Skin corrosion/irritation.
Eye Dam. /Irrit.	Serious eye damage/ eye irritation.
Skin Sens.	Skin sensitization.
Aquatic Chronic	Hazardous to the aquatic environment – chronic
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.

Further Information

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport, and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.

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EPX Primer - Comp. B

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

EPX Primer, two component solvent-free epoxy based primer, Comp. B.

1.2 Relevant identified uses of the substance or mixture

Used on structural elements to increase adherence with epoxy resins (B-component, hardener).

1.3 Details of the supplier of the safety data sheet

Company name:	Sozeri Yapi Elemanlari San.Tic.lth.lhr.Ltd.Sti.
Street:	Ankara-Izmir Road Turgutlu 8. Km
Place:	Manisa/Turkey
Telephone:	+90 (212) 276 62 62
Internet:	www.tic-m.com
Email:	info@tic-m.com

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

2.1.1 According to Regulation (EC) No 1272/2008 [CLP]

Acute Tox. 4 (oral)
 Acute Tox. 4 (Inhalation- mist)
 Acute Tox. 4 (dermal)
 Skin Corr. /Irrit. 1B
 Eye Dam. /Irrit. 1
 Skin Sens. 1
 Aquatic Chronic 3

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

2.2 Label elements

2.2.1 According to Regulation (EC) No 1272/2008 [CLP]

Signal word: Warning

Pictograms:



Hazard statements

H312	Harmful in contact with skin.
H332	Harmful if inhaled.
H302	Harmful if swallowed.
H317	May cause an allergic skin reaction.
H314	Causes severe skin burns and eye damage.
H412	Causes severe skin burns and eye damage.

Precautionary statements**Prevention**

P280	Wear protective gloves/protective clothing/eye protection/face protection.
P271	Use only outdoors or in a well-ventilated area.
P260	Do not breathe dust or mist.
P261	Avoid breathing mist.
P273	Avoid release to the environment.
P272	Contaminated work clothing should not be allowed out of the workplace.
P270	Do not eat, drink or smoke when using this product.
P264	Wash with plenty of water and soap thoroughly after handling.

Response

P310	Immediately call a POISON CENTER or doctor/physician.
P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P304 + P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P303 + P361 + P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
P301 + P330 + P331	IF SWALLOWED: rinse mouth. Do NOT induce vomiting.
P361 + P364	Take off immediately all contaminated clothing and wash it before reuse.

Storage

P405	Store locked up.
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Disposal

P501	Dispose of contents/container in accordance with local/regional/national/international regulation.
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According to Regulation (EC) No 1272/2008 [CLP]

Hazard determining component(s) for labelling: Salicylic acid, BENZYLALCOHOL, 3-AMINOMETHYL-3,5,5-TRIMETHYL-CYCLOHEXYLAMINE.

2.3 Other hazards

If applicable information is provided in this section on other hazards which do not result in classification but which may contribute to the overall hazards of the substance or mixture.

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SECTION 3: Composition/information on ingredients

3.1 Substances

Not applicable

3.2 Mixtures

Chemical nature

Blend based on: polymeric amine, aliphatic, modified

Hazardous ingredients (GHS)

according to Regulation (EC) No. 1272/2008

CAS No	Chemical name			Quantity
	EC No	Index No	REACH No	
	GHS Classification			
69-72-7	Salicylic acid			>= 7 % - < 10 %
	200-712-3			
	Acute Tox. 4 (oral), Eye Dam./Irrit. 1, H318, H302			
100-51-6	benzyl alcohol			>= 20 % - < 25 %
	202-859-9	603-057-00-5	01-2119492630-38	
	Acute Tox. 4 (oral), Acute Tox. 4 (Inhalation - mist), Acute Tox. 4 (dermal), Eye Dam./Irrit. 2, H319, H312, H332, H302			
2855-13-2	3-aminomethyl-3,5,5-trimethylcyclohexylamine			>= 50 % - < 75 %
	220-666-8	612-067-00-9	01-2119514687-32	
	Acute Tox. 4 (oral), Acute Tox. 4 (dermal), Skin Corr./Irrit. 1B, Eye Dam./Irrit. 1, Skin Sens. 1, Aquatic Chronic 3, H312, H302, H317, H314, H412			

Full text of H and EUH statements: see section 16.

SECTION 4: First aid measures

4.1 Description of first aid measures

4.1.1 General information

First aid personnel should pay attention to their own safety. Immediately remove contaminated clothing.

4.1.2 After inhalation

If difficulties occur after vapor/aerosol has been inhaled, remove to fresh air and seek medical attention.

4.1.3 After contact with skin

After contact with skin, wash immediately with plenty of water and soap. Under no circumstances should organic solvent be used. If irritation develops, seek medical attention.

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4.1.4 After contact with eyes

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

4.1.5 After ingestion

Rinse mouth immediately and then drink plenty of water, seek medical attention. Do not induce vomiting unless told to by a poison control center or doctor.

4.2 Most important symptoms and effects, both acute and delayed

Symptoms: The most important known symptoms and effects are described in the labelling (see section 2) and/or in section 11.

4.3 Indication of any immediate medical attention and special treatment needed

Treat symptomatically. No known specific antidote.

SECTION 5: Firefighting measures

5.1 Extinguishing media

5.1.1 Suitable extinguishing media

foam, water spray, dry powder, carbon dioxide

5.1.2 Unsuitable extinguishing media

water jet

5.2 Special hazards arising from the substance or mixture

Carbon dioxide, carbon monoxide, harmful vapors, nitrogen oxides, fumes/smoke, carbon black

5.3 Advice for firefighters

Special protective equipment:

Wear a self-contained breathing apparatus.

Additional information

The degree of risk is governed by the burning substance and the fire conditions. If exposed to fire, keep containers cool by spraying with water. Collect contaminated extinguishing water separately, do not allow to reach sewage or effluent systems. Contaminated extinguishing water must be disposed of in accordance with official regulations.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment, and emergency procedures

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Do not breathe vapor/aerosol/spray mists. Wear eye/face protection. If exposed to high vapor concentration, leave area immediately. Use personal protective clothing. Handle in accordance with good building materials hygiene and safety practice.

6.2 Environmental precautions

Contain contaminated water/firefighting water. Do not discharge into drains/surface waters/groundwater.

6.3 Methods and material for containment and cleaning up

For small amounts: Pick up with inert absorbent material (e.g. sand, earth etc.). Dispose of contaminated material as prescribed.

For large amounts: Pump off product.

6.4 Reference to other sections

Safe handling: see section 7

Personal protection equipment: see section 8

Disposal: see section 13

SECTION 7: Handling and storage

7.1 Precautions for safe handling

7.1.1 Advice on safe handling

Avoid aerosol formation. Avoid inhalation of mists/vapors. Avoid skin contact. No special measures necessary provided product is used correctly.

7.2 Conditions for safe storage, including any incompatibilities

7.2.1 Suitable materials for containers

Tinned carbon steel (Tinplate), High density polyethylene (HDPE)

7.2.2 Further information on storage conditions

Keep only in the original container in a cool, dry, well-ventilated place away from ignition sources, heat or flame. Protect from direct sunlight.

Protect from temperatures below: 5 °C Protect from temperatures above: 35 °C

7.3 Specific end use(s)

For the relevant identified use(s) listed in Section 1 the advice mentioned in this section 7 is to be observed.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Components with occupational exposure limits

69-72-7: Salicylic acid

100-51-6: benzyl alcohol

8.2 Exposure controls



8.2.1 Appropriate engineering controls

Provide adequate ventilation. If local exhaust ventilation is not possible or not sufficient, the entire working area must be ventilated by technical means.

8.2.2 Protective and hygiene measures

Do not inhale gases/vapors/aerosols. Avoid contact with the skin, eyes and clothing. Avoid exposure - obtain special instructions before use. Handle in accordance with good building materials hygiene and safety practice. Wearing of closed work clothing is recommended. When using, do not eat, drink or smoke. Hands and/or face should be washed before breaks and at the end of the shift. At the end of the shift the skin should be cleaned and skin-care agents applied. Gloves must be inspected regularly and prior to each use. Replace if necessary (e.g. pinhole leaks).

8.2.3 Eye/face protection

Safety glasses with side-shields (e.g. EN 166).

8.2.4 Hand protection

Suitable chemical resistant safety gloves (EN 374) also with prolonged, direct contact (Recommended: Protective index 6, corresponding > 480 minutes of permeation time according to EN 374): E.g. nitrile rubber (0.4 mm), chloroprene rubber (0.5 mm), butyl rubber (0.7 mm) etc.

Manufacturer's directions for use should be observed because of great diversity of types.

8.2.5 Skin protection

Skin protection must be chosen depending on activity and possible exposure, e.g. apron, protecting boots, chemical-protection suit (according to EN 14605 in case of splashes or EN ISO 13982 in case of dust).

8.2.6 Respiratory protection

Wear respiratory protection if ventilation is inadequate. Particle filter with high efficiency for solid and liquid particles (e.g. EN 143 or 149, Type P3 or FFP3).

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state:	liquid
Color:	yellowish
Odor:	ammonia-like
Odor threshold:	No applicable information available.
pH-Value:	11
Boiling point:	≥ 200 °C
Flash point:	> 150 °C
Flammability:	not self-igniting
Density (at 20 °C):	1.08 g/cm ³
Solubility in water:	emulsifiable (20 °C)
Thermal decomposition:	No decomposition if stored and handled as prescribed/indicated.
Explosion hazard:	not explosive

9.2 Other information

Miscibility with water:	(20 °C) partly miscible
Other information:	If necessary, information on other physical and chemical parameters is indicated in this section.

SECTION 10: Stability and reactivity

10.1 Reactivity

No hazardous reactions if stored and handled as prescribed/indicated.
Corrosion to metals: No data available

10.2 Chemical stability

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

10.3 Possibility of hazardous reactions

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

10.4 Conditions to avoid

See MSDS section 7 - Handling and storage.

10.5 Incompatible materials

Substances to avoid:

strong acids, strong bases, strong oxidizing agents, strong reducing agents

10.6 Hazardous decomposition products

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

SECTION 11: Toxicological information

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11.1 Information on toxicological effects

11.1.1 Acute toxicity

Assessment of acute toxicity:

Of moderate toxicity after short-term inhalation. Of moderate toxicity after short-term skin contact.
Of moderate toxicity after single ingestion.

11.1.2 Irritation

Assessment of irritating effects:

Corrosive! Damages skin and eyes. May cause severe damage to the eyes.

11.1.3 Respiratory/Skin sensitization

Assessment of sensitization:

Sensitization after skin contact possible.

11.1.4 Germ cell mutagenicity

Assessment of mutagenicity:

The substance was not mutagenic in bacteria.

11.1.5 Carcinogenicity

Assessment of carcinogenicity:

No data available

11.1.6 Reproductive toxicity

Assessment of reproduction toxicity:

No reliable data are available concerning reproduction toxicity.

11.1.7 Developmental toxicity

Assessment of teratogenicity:

No reliable data was available concerning teratogenicity

11.1.8 STOT-single exposure

No data available.

11.1.9 STOT-repeated exposure

No data available.

11.1.10 Aspiration hazard

No data available.

11.1.11 Further information

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

SECTION 12: Ecological information

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12.1 Toxicity

Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

12.2 Persistence and degradability

Not readily biodegradable (by OECD criteria). The product has not been tested. The statement has been derived from the properties of the individual components.

12.3 Bio accumulative potential

Significant accumulation in organisms is not to be expected.

12.4 Mobility in soil

Volatility: The substance will not evaporate into the atmosphere from the water surface.

Adsorption in soil: Adsorption to solid soil phase is possible.

12.5 Results of PBT and vPvB assessment

The product does not fulfill the criteria for PBT (Persistent/bio accumulative/toxic) and vPvB (very persistent/very bio accumulative).

12.6 Other adverse effects

The product does not contain substances that are listed in Annex I of Regulation (EC) 2037/2000 on substances that deplete the ozone layer.

12.7 Additional information

Other ecotoxicological advice:

Do not discharge product into the environment without control. The product has not been tested. The statements on ecotoxicology have been derived from the properties of the individual components.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Observe national and local legal requirements.

Residues should be disposed of in the same manner as the substance/product.

13.2 Contaminated packaging

Contaminated packaging should be emptied as far as possible; then it can be passed on for recycling after being thoroughly cleaned.

SECTION 14: Transport information

Land transport

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ADR

UN number: UN1760
 UN proper shipping name: LIQUID, CORROSIVE, N.O.S. (contains ISOFORONDIAMINE)
 Transport hazard class(es): 8
 Packing group: III
 Environmental hazards: No
 Special precautions for user: None known

RID

UN number: UN1760
 UN proper shipping name: LIQUID, CORROSIVE, N.O.S. (contains ISOFORONDIAMINE)
 Transport hazard class(es): 8
 Packing group: III
 Environmental hazards: No
 Special precautions for user: None known

Inland waterway transport

AND

UN number: UN1760
 UN proper shipping name: LIQUID, CORROSIVE, N.O.S. (contains ISOFORONDIAMINE)
 Transport hazard class(es): 8
 Packing group: III
 Environmental hazards: No
 Marine pollutant: No
 Special precautions for user: None known

Sea transport

IMDG

UN number: UN2289
 UN proper shipping name: ISOPHORONEDIAMINE MIXTURE
 Transport hazard class(es): 8
 Packing group: III
 Environmental hazards: No
 Special precautions for user: None known

Air transport

IATA/ICAO

UN number: UN1760
 UN proper shipping name: LIQUID, CORROSIVE, N.O.S. (contains ISOFORONDIAMINE)
 Transport hazard class(es): 8
 Packing group: III
 Environmental hazards: No Mark as dangerous for the environment is needed.

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Special precautions for user: None known

14.1 UN number

See corresponding entries for “UN number” for the respective regulations in the tables above.

14.2 UN proper shipping name

See corresponding entries for “UN proper shipping name” for the respective regulations in the tables above.

14.3 Transport hazard class(es)

See corresponding entries for “Transport hazard class(es)” for the respective regulations in the tables above.

14.4 Packing group

See corresponding entries for “Packing group” for the respective regulations in the tables above.

14.5 Environmental hazard

See corresponding entries for “Environmental hazards” for the respective regulations in the tables above.

14.6 Special precautions for user

See corresponding entries for “Special precautions for user” for the respective regulations in the tables above.

14.7 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

SECTION 15: Regulatory information

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

If other regulatory information applies that is not already provided elsewhere in this safety data sheet, then it is described in this subsection.

SECTION 16: Other information

Full text of the classifications, including the hazard classes and the hazard statements

Acute Tox. Acute toxicity

Skin Corr./ Irrit. Skin corrosion/irritation
Eye Dam./ Irrit. Serious eye damage/ eye irritation
Skin Sens. Skin sensitization
Aquatic Chronic Hazardous to the aquatic environment
H312 Harmful in contact with skin.
H332 Harmful if inhaled.
H302 Harmful if swallowed.
H317 May cause an allergic skin reaction.
H314 Causes severe skin burns and eye damage.
H412 Harmful to aquatic life with long lasting effects.
H318 Causes serious eye damage.
H319 Causes serious eye irritation.

Further Information

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport, and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.