

Safety Data Sheet

according to Regulation (EC) No 1907/2006



X120-A

Revision date: 16.03.2021

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

1.1. Product identifier

X120-A

UFI: MQ00-7096-700X-4K8N

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

Use of the substance/mixture

Adhesives, sealants

1.3. Details of the supplier of the safety data sheet

Company name: Hottinger Brüel & Kjaer
Street: Im Tiefen See 45
Place: D-64293 Darmstadt
Telephone: +49 (0)6151 803-0
Internet: www.hbm.com
Responsible Department: support@hbm.com

1.4. Emergency telephone number: +49-30-18412-0

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Regulation (EC) No. 1272/2008

Hazard categories:
Skin corrosion/irritation: Skin Irrit. 2
Serious eye damage/eye irritation: Eye Irrit. 2
Carcinogenicity: Carc. 2
Hazard Statements:
Causes skin irritation.
Causes serious eye irritation.
Suspected of causing cancer.

2.2. Label elements

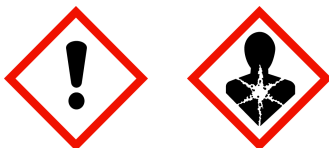
Regulation (EC) No. 1272/2008

Hazard components for labelling

Titandioxid

Signal word: Warning

Pictograms:



Hazard statements

H315 Causes skin irritation.
H319 Causes serious eye irritation.
H351 Suspected of causing cancer.

Precautionary statements

P280 Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P260 Do not breathe dust/fume/gas/mist/vapours/spray.

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Special labelling of certain mixtures

EUH208 Contains 2-piperazin-1-ylethylamine. May produce an allergic reaction.
Restricted to professional users.

Labelling of packages where the contents do not exceed 125 ml

Signal word: Warning

Pictograms:



Hazard statements

H351

Precautionary statements

P280

2.3. Other hazards

No information available.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Hazardous components

CAS No	Chemical name	Quantity		
	EC No	Index No	REACH No	
	GHS Classification			
68911-25-1	ALIPHATIC POLYMER DIAMINE			40-70 %
	614-773-2			
4246-51-9	3,3'-Oxybis(ethylenoxy)bis(propylamin)			10 - 30 %
	224-207-2			
90-72-2	2,4,6-tris(dimethylaminomethyl)phenol			10 - < 15 %
	202-013-9	603-069-00-0		
	Acute Tox. 4, Skin Irrit. 2, Eye Irrit. 2; H302 H315 H319			
67762-90-7	Dimethylsiloxan, reaktionsprodukt mit Siliciumdioxid			7 - 13 %
	614-122-2			
13463-67-7	Titandioxid			1 - 5 %
	236-675-5			
	Carc. 2; H351			
71074-89-0	Bis[(dimethylamino)methyl]phenol			< 3 %
	275-162-0			
140-31-8	2-piperazin-1-ylethylamine			< 1 %
	205-411-0	612-105-00-4		
	Acute Tox. 4, Acute Tox. 4, Skin Corr. 1B, Skin Sens. 1, Aquatic Chronic 3; H312 H302 H314 H317 H412			

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

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Specific Conc. Limits, M-factors and ATE

CAS No	EC No	Chemical name	Quantity
		Specific Conc. Limits, M-factors and ATE	
90-72-2	202-013-9	2,4,6-tris(dimethylaminomethyl)phenol	10 - < 15 %
		oral: ATE = 500 mg/kg	
140-31-8	205-411-0	2-piperazin-1-ylethylamine	< 1 %
		dermal: ATE = 1100 mg/kg; oral: ATE = 500 mg/kg	

SECTION 4: First aid measures

4.1. Description of first aid measures

General information

Remove affected person from the danger area and lay down. If unconscious but breathing normally, place in recovery position and seek medical advice. First aider: Pay attention to self-protection!

After inhalation

Provide fresh air. In case of respiratory tract irritation, consult a physician.

After contact with skin

After contact with skin, wash immediately with plenty of water and soap. Remove contaminated, saturated clothing immediately. In case of skin irritation, consult a physician.

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.

After ingestion

If swallowed, rinse mouth with water (only if the person is conscious). If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label.

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

No information available.

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

No information available.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Water spray jet, Dry extinguishing powder, Foam

Unsuitable extinguishing media

Full water jet

5.2. Special hazards arising from the substance or mixture

Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

5.3. Advice for firefighters

Wear a self-contained breathing apparatus and chemical protective clothing.
Co-ordinate fire-fighting measures to the fire surroundings.

Additional information

Use water spray jet to protect personnel and to cool endangered containers. Suppress gases/vapours/mists with water spray jet. Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

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General measures

Provide adequate ventilation. Do not breathe gas/fumes/vapour/spray. Avoid contact with skin, eyes and clothes. Use personal protection equipment. Use personal protection equipment. Do not allow to enter into surface water or drains. Treat the recovered material as prescribed in the section on waste disposal. Provide adequate ventilation.

6.2. Environmental precautions

Do not allow to enter into surface water or drains.
Do not allow uncontrolled discharge of product into the environment.

6.3. Methods and material for containment and cleaning up

Other information

Take up mechanically, placing in appropriate containers for disposal. Absorb with liquid-binding material (sand, diatomaceous earth, acid- or universal binding agents).

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

Advice on safe handling

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

Advice on protection against fire and explosion

No special technical protective measures are necessary.

Further information on handling

Wear personal protection equipment (refer to section 8). Do not empty into drains. When using do not eat, drink, smoke, sniff.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Keep container tightly closed and in a well-ventilated place.

Further information on storage conditions

No information available.

7.3. Specific end use(s)

No information available.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Occupational exposure limits

CAS No	Substance	ppm	mg/m ³	fib/cm ³	Category	Origin
13463-67-7	Titanium dioxide, total inhalable dust	-	10		TWA (8 h)	

8.2. Exposure controls



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Appropriate engineering controls

Provide adequate ventilation.

Protective and hygiene measures

When using do not eat or drink. Do not breathe gas/fumes/vapour/spray.

After contact with skin, take off immediately all contaminated clothing, and wash immediately with plenty of water and soap. Wear suitable protective clothing, gloves and eye/face protection.

Draw up and observe skin protection programme.

Eye/face protection

Wear eye/face protection.

Hand protection

When handling with chemical substances, protective gloves must be worn with the CE-label including the four control digits. EN ISO 374

The quality of the protective gloves resistant to chemicals must be chosen as a function of the specific working place concentration and quantity of hazardous substances.

Thickness of the glove material: $\geq 0,7\text{mm}$

Suitable gloves type NBR (Nitrile rubber)

Breakthrough time: $>480\text{ min}$

For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.

Skin protection

Used working clothes should not be worn outside the work area. Separate storage of work clothes.

Respiratory protection

not relevant

Environmental exposure controls

Do not allow to enter into surface water or drains.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state:	solid	
Colour:	brown	
Odour:	Amines	
pH-Value:		not applicable

Changes in the physical state

Melting point:		not applicable
Boiling point or initial boiling point and boiling range:		not applicable
Sublimation point:		not determined
Softening point:		not determined
Pour point:		not determined
not determined:		

Flash point:		109 °C
Sustaining combustion:		No data available

Flammability

Solid/liquid:		not determined
Gas:		not determined

Explosive properties

not determined

Lower explosion limits:		1,1 vol. %
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Upper explosion limits:	4,5 vol. %
Auto-ignition temperature:	not determined
Self-ignition temperature	
Solid:	not determined
Gas:	not determined
Decomposition temperature:	not determined
Oxidizing properties	
not determined	
Vapour pressure: (at 20 °C)	<0,001 hPa
Vapour pressure: (at 50 °C)	not determined
Density (at 20 °C):	not determined
Bulk density:	not determined
Water solubility:	not determined
Solubility in other solvents	
not determined	
Partition coefficient n-octanol/water:	not determined
Viscosity / dynamic:	not determined
Viscosity / kinematic:	not determined
Flow time:	not determined
Relative vapour density:	not determined
Evaporation rate:	not determined
Solvent separation test:	not determined
Solvent content:	0,99 %

9.2. Other information

Solid content:	12,50 %
No information available.	

SECTION 10: Stability and reactivity

10.1. Reactivity

No information available.

10.2. Chemical stability

The substance is chemically stable under recommended conditions of storage, use and temperature.

10.3. Possibility of hazardous reactions

No hazardous reaction when handled and stored according to provisions.

10.4. Conditions to avoid

No information available.

10.5. Incompatible materials

No information available.

10.6. Hazardous decomposition products

No information available.

SECTION 11: Toxicological information

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

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Acute toxicity

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

CAS No	Chemical name				
	Exposure route	Dose	Species	Source	Method
90-72-2	2,4,6-tris(dimethylaminomethyl)phenol				
	oral	ATE mg/kg	500		
140-31-8	2-piperazin-1-ylethylamine				
	oral	ATE mg/kg	500		
	dermal	ATE mg/kg	1100		

Irritation and corrosivity

Causes skin irritation.

Causes serious eye irritation.

Sensitising effects

Contains 2-piperazin-1-ylethylamine. May produce an allergic reaction.

Carcinogenic/mutagenic/toxic effects for reproduction

Suspected of causing cancer. (Titandioxid)

Germ cell mutagenicity: Based on available data, the classification criteria are not met.

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

STOT-single exposure

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

STOT-repeated exposure

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

Aspiration hazard

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

SECTION 12: Ecological information

12.1. Toxicity

CAS No	Chemical name					
	Aquatic toxicity	Dose	[h] [d]	Species	Source	Method
4246-51-9	3,3'-Oxybis(ethylenoxy)bis(propylamin)					
	Acute crustacea toxicity	EC50	220 mg/l	48 h	Daphnia magna (Big water flea)	

12.2. Persistence and degradability

No information available.

CAS No	Chemical name			
	Method	Value	d	Source
	Evaluation			
4246-51-9	3,3'-Oxybis(ethylenoxy)bis(propylamin)			
	302B	<20%	72	
	Biodegradable.			

12.3. Bioaccumulative potential

No information available.

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Partition coefficient n-octanol/water

CAS No	Chemical name	Log Pow
4246-51-9	3,3'-Oxybis(ethylenoxy)bis(propylamin)	-1,46
140-31-8	2-piperazin-1-ylethylamine	-1,48

12.4. Mobility in soil

No information available.

12.5. Results of PBT and vPvB assessment

No information available.

12.7. Other adverse effects

No information available.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Disposal recommendations

Dispose of waste according to applicable legislation.

SECTION 14: Transport information

Land transport (ADR/RID)

14.1. UN number:

UN 3263

14.2. UN proper shipping name:

CORROSIVE SOLID, BASIC, ORGANIC, N.O.S.
(3,3'-Oxybis(Ethyleneoxy)Bis(Propylamine) und
2,4,6-Tris((Dimethylamino)Methyl)Phenol))

14.3. Transport hazard class(es):

8

14.4. Packing group:

II

Hazard label:

8



Classification code:

C8

Special Provisions:

274

Limited quantity:

1 kg

Excepted quantity:

E2

Transport category:

2

Hazard No:

80

Tunnel restriction code:

E

Inland waterways transport (ADN)

14.1. UN number:

UN 3263

14.2. UN proper shipping name:

CORROSIVE SOLID, BASIC, ORGANIC, N.O.S.
(3,3'-Oxybis(Ethyleneoxy)Bis(Propylamine) und
2,4,6-Tris((Dimethylamino)Methyl)Phenol))

14.3. Transport hazard class(es):

8

14.4. Packing group:

II

Hazard label:

8



Classification code:

C8

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Special Provisions: 274
Limited quantity: 1 kg
Excepted quantity: E2

Marine transport (IMDG)

14.1. UN number: UN 3263
14.2. UN proper shipping name: CORROSIVE SOLID, BASIC, ORGANIC, N.O.S.
(3,3'-Oxybis(Ethyleneoxy)Bis(Propylamine) and
2,4,6-Tris((Dimethylamino)Methyl)Phenol))
14.3. Transport hazard class(es): 8
14.4. Packing group: II
Hazard label: 8



Special Provisions: 274
Limited quantity: 1 kg
Excepted quantity: E2
EmS: F-A, S-B

Air transport (ICAO-TI/IATA-DGR)

14.1. UN number: UN 3263
14.2. UN proper shipping name: CORROSIVE SOLID, BASIC, ORGANIC, N.O.S.
(3,3'-Oxybis(Ethyleneoxy)Bis(Propylamine) and
2,4,6-Tris((Dimethylamino)Methyl)Phenol))
14.3. Transport hazard class(es): 8
14.4. Packing group: II
Hazard label: 8



Special Provisions: A3 A803
Limited quantity Passenger: 5 kg
Passenger LQ: Y844
Excepted quantity: E2
IATA-packing instructions - Passenger: 859
IATA-max. quantity - Passenger: 15 kg
IATA-packing instructions - Cargo: 863
IATA-max. quantity - Cargo: 50 kg

14.5. Environmental hazards

ENVIRONMENTALLY HAZARDOUS: No

14.7. Maritime transport in bulk according to IMO instruments

No transport as bulk according to IBC Code.

SECTION 15: Regulatory information

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

EU regulatory information

2010/75/EU (VOC): 0,99 %
2004/42/EC (VOC): 26,98 %

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Information according to 2012/18/EU (SEVESO III):

Not subject to 2012/18/EU (SEVESO III)

National regulatory information

Employment restrictions:

Observe restrictions to employment for juveniles according to the 'juvenile work protection guideline' (94/33/EC). Observe employment restrictions under the Maternity Protection Directive (92/85/EEC) for expectant or nursing mothers.

Water hazard class (D):

2 - obviously hazardous to water

15.2. Chemical safety assessment

For this substance a chemical safety assessment has not been carried out.

SECTION 16: Other information

Changes

This data sheet contains changes from the previous version in section(s): 2,3,9.

Classification for mixtures and used evaluation method according to Regulation (EC) No. 1272/2008 [CLP]

Classification	Classification procedure
Skin Irrit. 2; H315	Calculation method
Eye Irrit. 2; H319	Calculation method
Carc. 2; H351	Calculation method

Relevant H and EUH statements (number and full text)

H302	Harmful if swallowed.
H312	Harmful in contact with skin.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H351	Suspected of causing cancer.
H412	Harmful to aquatic life with long lasting effects.
EUH208	Contains 2-piperazin-1-ylethylamine. May produce an allergic reaction.

(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)