

Safety Data Sheet

according to Regulation (EC) No 1907/2006

KÖSTER POX IN B

Revision date: 02.03.2018

Product code: IN231b

Page 1 of 11

SECTION 1: Identification of the substance/mixture and of the company/undertaking**1.1. Product identifier**

KÖSTER POX IN B

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

The product is intended for professional use. Building and construction work.

Uses advised against

No identified use(s).

1.3. Details of the supplier of the safety data sheet

Company name:	KOESTER BAUCHEMIE AG	
Street:	Dieselstrasse 1 - 10	
Place:	D-26607 Aurich	
Telephone:	+49-4941-9709-0	Telefax: +49-4941-9709-40
e-mail (Contact person):	produktsicherheit@koester.eu	
Internet:	www.koester.eu	
Responsible Department:	Forschung & Entwicklung	

1.4. Emergency telephone number: +49-551-19240 (24 h, Giftinformationszentrum Nord)**SECTION 2: Hazards identification****2.1. Classification of the substance or mixture****Regulation (EC) No. 1272/2008**

Hazard categories:

Acute toxicity: Acute Tox. 4

Acute toxicity: Acute Tox. 4

Skin corrosion/irritation: Skin Corr. 1A

Serious eye damage/eye irritation: Eye Dam. 1

Respiratory or skin sensitisation: Skin Sens. 1

Reproductive toxicity: Repr. 2

Hazardous to the aquatic environment: Aquatic Chronic 3

Hazard Statements:

Harmful in contact with skin.

Harmful if swallowed.

Causes severe skin burns and eye damage.

Causes serious eye damage.

May cause an allergic skin reaction.

Suspected of damaging fertility.

Harmful to aquatic life with long lasting effects.

2.2. Label elements**Regulation (EC) No. 1272/2008****Hazard components for labelling**

3-aminomethyl-3,5,5-trimethylcyclohexylamine

Polyoxypropylendiamin

Bisphenol A; 4,4'-isopropylidenediphenol

1,3-Benzendimethanamin

Trimethylhexan-1,6-diamin

Signal word: Danger

Safety Data Sheet

according to Regulation (EC) No 1907/2006

KÖSTER POX IN B

Revision date: 02.03.2018

Product code: IN231b

Page 2 of 11

Pictograms:



Hazard statements

H302+H312	Harmful if swallowed or in contact with skin.
H314	Causes severe skin burns and eye damage.
H317	May cause an allergic skin reaction.
H361f	Suspected of damaging fertility.
H412	Harmful to aquatic life with long lasting effects.

Precautionary statements

P260	Do not breathe dust/fume/gas/mist/vapours/spray.
P264	Wash hands thoroughly after handling.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P301+P330+P331	IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P303+P361+P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310	Immediately call a POISON CENTER/doctor.
P321	Specific treatment (see SECTION 4: First aid measures on this label).

Additional advice on labelling

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

2.3. Other hazards

The mixture may be a skin sensitiser. It may also be a skin irritant and repeated contact may increase this effect.

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Chemical characterization

amines.

Safety Data Sheet

according to Regulation (EC) No 1907/2006

KÖSTER POX IN B

Revision date: 02.03.2018

Product code: IN231b

Page 3 of 11

Hazardous components

CAS No	Chemical name			Quantity
	EC No	Index No	REACH No	
	Classification according to Regulation (EC) No. 1272/2008 [CLP]			
2855-13-2	3-aminomethyl-3,5,5-trimethylcyclohexylamine			< 50 %
	220-666-8	612-067-00-9		
	Acute Tox. 4, Acute Tox. 4, Skin Corr. 1B, Skin Sens. 1, Aquatic Chronic 3; H312 H302 H314 H317 H412			
9046-10-0	Polyoxypropylendiamin			< 50 %
	Skin Corr. 1; H314			
1477-55-0	1,3-Benzendimethanamin			< 20 %
	216-032-5			
	Acute Tox. 4, Acute Tox. 4, Skin Corr. 1B, Eye Dam. 1, Skin Sens. 1, Aquatic Chronic 3; H332 H302 H314 H318 H317 H412			
80-05-7	Bisphenol A; 4,4'-isopropylidenediphenol			< 15 %
	201-245-8	604-030-00-0		
	Repr. 1B, STOT SE 3, Eye Dam. 1, Skin Sens. 1; H360F H335 H318 H317			
25620-58-0	Trimethylhexan-1,6-diamin			< 10 %
	247-134-8			
	Acute Tox. 4, Skin Corr. 1, Skin Sens. 1, Aquatic Chronic 3; H302 H314 H317 H412			
2467-02-9	2,2'-Methyldiphenol			< 5 %
	219-578-2			
	Skin Irrit. 2, Eye Irrit. 2, STOT SE 3; H315 H319 H336			
90-72-2	2,4,6-tris(dimethylaminomethyl)phenol			< 2 %
	202-013-9	603-069-00-0		
	Acute Tox. 4, Eye Irrit. 2, Skin Irrit. 2; H302 H319 H315			

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

SECTION 4: First aid measures

4.1. Description of first aid measures

General information

First aider: Pay attention to self-protection! Move victim out of danger zone. In case of allergic symptoms, especially in the breathing area, seek medical advice immediately.

After inhalation

Provide fresh air. If breathing is irregular or stopped, administer artificial respiration. Medical treatment necessary. IF INHALED: Call a doctor if you feel unwell.

After contact with skin

Remove contaminated, saturated clothing immediately. After contact with skin, wash immediately with plenty of water and soap. Immediate medical treatment required because corrosive injuries that are not treated are hard to cure.

After contact with eyes

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Consult an ophthalmologist. Risk of serious damage to eyes.

After ingestion

Rinse mouth immediately and drink plenty of water. Do NOT induce vomiting. Hazards identification: Stomach perforation. Call a physician immediately. Do not allow a neutralisation agent to be drunk.

Safety Data Sheet

according to Regulation (EC) No 1907/2006

KÖSTER POX IN B

Revision date: 02.03.2018

Product code: IN231b

Page 4 of 11

Caution if victim vomits: Risk of aspiration!

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

Processing vapours can irritate the respiratory tracts, skin and eyes.

Allergic reactions.

Gastrointestinal complaints.

Further information SECTION 11: Toxicological information.

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

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Co-ordinate fire-fighting measures to the fire surroundings. Water spray. Carbon dioxide (CO₂). alcohol resistant foam.

Unsuitable extinguishing media

High power water jet.

5.2. Special hazards arising from the substance or mixture

In case of fire and/or explosion do not breathe fumes. In case of fire may be liberated: Amines, Nitrogen oxides (NO_x).

5.3. Advice for firefighters

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

Additional information

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

Provide adequate ventilation. Do not breathe gas/fumes/vapour/spray. Avoid contact with skin, eyes and clothes. Wear personal protection equipment.

6.2. Environmental precautions

Do not allow to enter into surface water or drains. In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities.

6.3. Methods and material for containment and cleaning up

Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents). Treat the recovered material as prescribed in the section on waste disposal. Provide adequate ventilation. Wear personal protection equipment (refer to section 8).

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 handled uncovered, arrangements with local exhaust ventilation have to be used. Do not breathe gas/fumes/vapour/spray. People who suffer from skin sensitization problems, asthma, allergies, chronic or recurring respiratory illnesses should not be deployed in any process using this preparation. If local exhaust ventilation is not possible or not sufficient, the entire working area should be ventilated by technical means. Personal protection equipment: see section 8.

Safety Data Sheet

according to Regulation (EC) No 1907/2006

KÖSTER POX IN B

Revision date: 02.03.2018

Product code: IN231b

Page 5 of 11

Advice on protection against fire and explosion

Usual measures for fire prevention.

Further information on handling

Do not mix with other chemicals.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Keep container tightly closed. Keep locked up. Store in a place accessible by authorized persons only. Provide adequate ventilation as well as local exhaust at critical locations.

Advice on storage compatibility

Do not store together with: acid.

Keep away from food, drink and animal feedingstuffs.

Further information on storage conditions

Keep only in the original container in a cool, well-ventilated place. Keep container tightly closed.

Protect against: Frost.

7.3. Specific end use(s)

No information available.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Exposure limits (EH40)

CAS No	Substance	ppm	mg/m ³	fibres/ml	Category	Origin
80-05-7	Bisphenol A, inhalable dust	-	10		TWA (8 h)	WEL
		-	-		STEL (15 min)	WEL

8.2. Exposure controls

Appropriate engineering controls

If handled uncovered, arrangements with local exhaust ventilation have to be used. Do not breathe gas/fumes/vapour/spray.

Protective and hygiene measures

Remove contaminated, saturated clothing immediately. Protect skin by using skin protective cream. After work, wash hands and face. When using do not eat or drink.

Eye/face protection

Tightly sealed safety glasses.

Hand protection

When handling with chemical substances, protective gloves must be worn with the CE-label including the four control digits. 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. Suitable material: NBR (Nitrile rubber). Butyl rubber. Breakthrough times and swelling properties of the material must be taken into consideration.

Skin protection

When handling with chemical substances, protective clothing with CE-labels including the four control digits must be worn. Only wear fitting, comfortable and clean protective clothing.

Respiratory protection

If technical exhaust or ventilation measures are not possible or insufficient, respiratory protection must be worn. Use only respiratory protection equipment with CE-symbol including four digit test number.

Environmental exposure controls

Avoid release to the environment. In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities.

Safety Data Sheet

according to Regulation (EC) No 1907/2006

KÖSTER POX IN B

Revision date: 02.03.2018

Product code: IN231b

Page 6 of 11

SECTION 9: Physical and chemical properties**9.1. Information on basic physical and chemical properties**

Physical state:	liquid
Colour:	transparent
Odour:	stinging

Changes in the physical state

Initial boiling point and boiling range:	> 200 °C
Flash point:	110 °C

Explosive properties

not explosive.

Oxidizing properties

Not oxidising.

Vapour pressure: (at 20 °C)	5 hPa
--------------------------------	-------

Density (at 23 °C):	0,95 g/cm ³
---------------------	------------------------

Water solubility:	easily soluble.
-------------------	-----------------

Viscosity / dynamic: (at 23 °C)	50 mPa·s
------------------------------------	----------

9.2. Other information

No information available.

SECTION 10: Stability and reactivity**10.1. Reactivity**

No hazardous reaction when handled and stored according to provisions.

10.2. Chemical stability

The product 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

Keep cool. Protect from sunlight.

10.5. Incompatible materials

Acid.

10.6. Hazardous decomposition productsIn case of fire may be liberated: Nitrogen oxides (NO_x). amines.**SECTION 11: Toxicological information****11.1. Information on toxicological effects****Toxicokinetics, metabolism and distribution**

No information available.

Acute toxicity

Harmful if swallowed or in contact with skin.

ATEmix calculated

ATE (oral) 1024,9 mg/kg; ATE (dermal) 1940,0 mg/kg

Safety Data Sheet

according to Regulation (EC) No 1907/2006

KÖSTER POX IN B

Revision date: 02.03.2018

Product code: IN231b

Page 7 of 11

CAS No	Chemical name				
	Exposure route	Dose	Species	Source	Method
2855-13-2	3-aminomethyl-3,5,5-trimethylcyclohexylamine				
	oral	LD50 mg/kg 1030	Rat		
	dermal	ATE mg/kg 1100			
1477-55-0	1,3-Benzendimethanamin				
	oral	ATE mg/kg 500			
	dermal	LD50 mg/kg 2000	Rat		
	inhalative (4 h) vapour	LC50 5,6 mg/l	Rat		
	inhalative aerosol	ATE 1,5 mg/l			
80-05-7	Bisphenol A; 4,4'-isopropylidenediphenol				
	oral	LD50 mg/kg 3250	Rat		
	dermal	LD50 mg/kg 3000	Rabbit		
25620-58-0	Trimethylhexan-1,6-diamin				
	oral	ATE mg/kg 500			
90-72-2	2,4,6-tris(dimethylaminomethyl)phenol				
	oral	ATE mg/kg 500			

Irritation and corrosivity

Causes severe skin burns and eye damage.

Sensitising effects

May cause an allergic skin reaction. (3-aminomethyl-3,5,5-trimethylcyclohexylamine; Bisphenol A; 4,4'-isopropylidenediphenol; 1,3-Benzendimethanamin; Trimethylhexan-1,6-diamin)

Carcinogenic/mutagenic/toxic effects for reproduction

Suspected of damaging fertility.

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

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

May impair fertility.

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.

Specific effects in experiment on an animal

No information available.

Additional information on tests

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

SECTION 12: Ecological information**12.1. Toxicity**

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

Safety Data Sheet

according to Regulation (EC) No 1907/2006

KÖSTER POX IN B

Revision date: 02.03.2018

Product code: IN231b

Page 8 of 11

CAS No	Chemical name					
	Aquatic toxicity	Dose	[h] [d]	Species	Source	Method
1477-55-0	1,3-Benzendimethanamin					
	Acute fish toxicity	LC50	75 mg/l	96 h	Leuciscus idus (golden orfe)	
	Acute algae toxicity	ErC50	12 mg/l	72 h	Scenedesmus subspicatus	
	Acute crustacea toxicity	EC50 mg/l	15,2	48 h	Daphnia magna	
80-05-7	Bisphenol A; 4,4'-isopropylidenediphenol					
	Acute fish toxicity	LC50	4,6 mg/l	96 h	Pimephales promelas	
	Acute algae toxicity	ErC50 mg/l	2,73	96 h	Selenastrum capricornutum	
	Acute crustacea toxicity	EC50	3,9 mg/l	48 h	Daphnia magna	

12.2. Persistence and degradability

Some of the components are poorly biodegradable.

12.3. Bioaccumulative potential

On the basis of existing data about the elimination/degradation and bioaccumulation potential longer term damage to the environment is unlikely. Bioconcentration factor (BCF): < 100

Partition coefficient n-octanol/water

CAS No	Chemical name	Log Pow
2855-13-2	3-aminomethyl-3,5,5-trimethylcyclohexylamine	1,9
80-05-7	Bisphenol A; 4,4'-isopropylidenediphenol	3,32

12.4. Mobility in soil

No information available.

12.5. Results of PBT and vPvB assessment

The components in this formulation do not meet the criteria for classification as PBT or vPvB.

12.6. Other adverse effects

No information available.

Further information

Do not allow to enter into surface water or drains.

SECTION 13: Disposal considerations**13.1. Waste treatment methods****Advice on disposal**

Do not allow to enter into surface water or drains.

The allocation of waste identity numbers/waste descriptions must be carried out according to the EEC, specific to the industry and process.

Waste disposal number of waste from residues/unused products

080111 WASTES FROM THE MANUFACTURE, FORMULATION, SUPPLY AND USE (MFSU) OF COATINGS (PAINTS, VARNISHES AND VITREOUS ENAMELS), ADHESIVES, SEALANTS AND PRINTING INKS; wastes from MFSU and removal of paint and varnish; waste paint and varnish containing organic solvents or other hazardous substances; hazardous waste

Contaminated packaging

Non-contaminated packages may be recycled. Handle contaminated packages in the same way as the substance itself.

SECTION 14: Transport information

Safety Data Sheet

according to Regulation (EC) No 1907/2006

KÖSTER POX IN B

Revision date: 02.03.2018

Product code: IN231b

Page 9 of 11

Land transport (ADR/RID)

14.1. UN number: UN2735
14.2. UN proper shipping name: AMINES, LIQUID, CORROSIVE, N.O.S.
 (3-aminomethyl-3,5,5-trimethylcyclohexylamine)
14.3. Transport hazard class(es): 8
14.4. Packing group: II
 Hazard label: 8



Classification code: C7
 Special Provisions: 274
 Limited quantity: 1 L
 Transport category: 2
 Hazard No: 80
 Tunnel restriction code: E

Other applicable information (land transport)

E2

Inland waterways transport (ADN)

14.1. UN number: UN2735
14.2. UN proper shipping name: AMINES, LIQUID, CORROSIVE, N.O.S.
 (3-aminomethyl-3,5,5-trimethylcyclohexylamine)
14.3. Transport hazard class(es): 8
14.4. Packing group: II
 Hazard label: 8



Classification code: C7
 Special Provisions: 274
 Limited quantity: 1 L

Other applicable information (inland waterways transport)

E2

Marine transport (IMDG)

14.1. UN number: UN2735
14.2. UN proper shipping name: AMINES, LIQUID, CORROSIVE, N.O.S.
 (3-aminomethyl-3,5,5-trimethylcyclohexylamine)
14.3. Transport hazard class(es): 8
14.4. Packing group: II
 Hazard label: 8



Special Provisions: 274
 Limited quantity: 1 L
 EmS: F-A, S-B

Other applicable information (marine transport)

E2

Safety Data Sheet

according to Regulation (EC) No 1907/2006

KÖSTER POX IN B

Revision date: 02.03.2018

Product code: IN231b

Page 10 of 11

Air transport (ICAO-TI/IATA-DGR)

14.1. UN number:	UN2735
14.2. UN proper shipping name:	AMINES, LIQUID, CORROSIVE, N.O.S. (3-aminomethyl-3,5,5-trimethylcyclohexylamine)
14.3. Transport hazard class(es):	8
14.4. Packing group:	II
Hazard label:	8



Special Provisions:	A3 A803
Limited quantity Passenger:	0.5 L
IATA-packing instructions - Passenger:	851
IATA-max. quantity - Passenger:	1 L
IATA-packing instructions - Cargo:	855
IATA-max. quantity - Cargo:	30 L

Other applicable information (air transport)

E2
Passenger-LQ: Y840

14.5. Environmental hazards

ENVIRONMENTALLY HAZARDOUS: yes



Danger releasing substance: SECTION 12: Ecological information

14.6. Special precautions for user

SECTION 6: Accidental release measures
SECTION 7: Handling and storage
SECTION 8: Exposure controls/personal protection

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

not applicable

SECTION 15: Regulatory information**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****EU regulatory information**

2004/42/EC (VOC): 65 % (617,5 g/l)

National regulatory information

Water contaminating class (D): 3 - highly water contaminating

15.2. Chemical safety assessment

Chemical safety assessments for substances in this mixture were not carried out.

SECTION 16: Other information**Abbreviations and acronyms**

ADR: Accord européen sur le transport des marchandises dangereuses par Route
(European Agreement concerning the International Carriage of Dangerous Goods by Road)
IMDG: International Maritime Code for Dangerous Goods
IATA: International Air Transport Association
GHS: Globally Harmonized System of Classification and Labelling of Chemicals

Safety Data Sheet

according to Regulation (EC) No 1907/2006

KÖSTER POX IN B

Revision date: 02.03.2018

Product code: IN231b

Page 11 of 11

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service

LC50: Lethal concentration, 50%

LD50: Lethal dose, 50%

Relevant H and EUH statements (number and full text)

H302	Harmful if swallowed.
H302+H312	Harmful if swallowed or in contact with skin.
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.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H332	Harmful if inhaled.
H335	May cause respiratory irritation.
H336	May cause drowsiness or dizziness.
H360F	May damage fertility.
H361f	Suspected of damaging fertility.
H412	Harmful 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. The information is based on present level of our knowledge. It does not, however, give assurances of product properties and establishes no contract legal rights. The receiver of our product is singularly responsible for adhering to existing laws and regulations.

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