

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830 Issue date: 2/11/2015 Revision date: 6/30/2023 Version: 3.1

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

1.1. Product identifier

Product form Product name Product code

: Mixture

: Betochem 2000 B-comp

: onbekend

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

1.2.1. Relevant identified uses

Main use category

: Industrial use, Professional use

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

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1.4. Emergency telephone number

Emergency number

: +31 (0)302748888

Country	Organisation/Company	Address	Emergency number	Comment
United Kingdom	Guy's & St Thomas' Poisons Unit Medical Toxicology Unit, Guy's & St Thomas' Hospital Trust	Avonley Road SE14 5ER London	+44 20 7188 7188	

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]	
Skin corrosion/irritation, Category 1, Sub-Category 1B	H314
Skin sensitisation, Category 1	H317

Full text of H-statements: see section 16

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

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



Signal word (CLP) Contains

: Danger

: benzyl alcohol; 3-aminomethyl-3,5,5-trimethylcyclohexylamine; m-

fenyleenbis(methylamine); salicylic acid; Reaction products of 3-aminomethyl-3,5,5trimethylcyclohexylamine and 4,4'-isopropylidenediphenol, oligomeric reaction products with 1-chloro-2,3-epoxypropane; Liquid Epoxy Resin-MXDA adduct

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Hazard statements (CLP)	: H314 - Causes severe skin burns and eye damage.
	H317 - May cause an allergic skin reaction.
Precautionary statements (CLP)	: P260 - Do not breathe vapours, gas, mist, fume, spray, dust.
	P280 - Wear protective gloves, protective clothing, face protection, eye 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/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.
	P501 - Dispose of contents/container to hazardous or special waste collection point, in
	accordance with local, regional, national and/or international regulation.

2.3. Other hazards

No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
benzyl alcohol	(CAS-No.) 100-51-6 (EC-No.) 202-859-9 (EC Index-No.) 603-057-00-5	25 – 75	Acute Tox. 4 (Oral), H302 Acute Tox. 4 (Inhalation), H332 Eye Irrit. 2, H319
Reaction products of 3-aminomethyl-3,5,5- trimethylcyclohexylamine and 4,4'- isopropylidenediphenol, oligomeric reaction products with 1-chloro-2,3-epoxypropane	(CAS-No.) 38294-64-3	25 – 75	Skin Corr. 1B, H314 Eye Dam. 1, H318 Skin Sens. 1, H317 Aquatic Chronic 3, H412
3-aminomethyl-3,5,5-trimethylcyclohexylamine	(CAS-No.) 2855-13-2 (EC-No.) 220-666-8 (EC Index-No.) 612-067-00-9	5 – 10	Acute Tox. 4 (Dermal), H312 Acute Tox. 4 (Oral), H302 Skin Corr. 1B, H314 Skin Sens. 1, H317 Aquatic Chronic 3, H412
m-fenyleenbis(methylamine)	(CAS-No.) 1477-55-0 (EC-No.) 216-032-5 (REACH-no) 01-2119480150-50	5 – 10	Skin Corr. 1A, H314 Skin Sens. 1, H317 Aquatic Chronic 3, H412
Liquid Epoxy Resin-MXDA adduct	(CAS-No.) 113930-69-1 (EC-No.) 500-302-7	5 – 10	Skin Corr. 1B, H314 Eye Dam. 1, H318 Skin Sens. 1, H317 Aquatic Chronic 2, H411
salicylic acid	(CAS-No.) 69-72-7 (EC-No.) 200-712-3 (EC Index-No.) 607-732-00-5	1 – 5	Repr. 2, H361d Acute Tox. 4 (Oral), H302 Eye Dam. 1, H318

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

SECTION 4: First aid measures	
4.1. Description of first aid measures	
First-aid measures general	: Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
First-aid measures after inhalation	: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/doctor if you feel unwell. Immediately call a POISON CENTER/doctor.

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First-aid measures after skin contact First-aid measures after eye contact First-aid measures after ingestion	 Take off immediately all contaminated clothing. Rinse skin with water/shower. Immediately call a POISON CENTER/doctor. Wash with plenty of water/ If skin irritation or rash occurs: Get medical advice/attention. Specific treatment (see supplemental first aid instruction on this label). Wash contaminated clothing before reuse. Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/doctor. Rinse mouth. Do NOT induce vomiting. Call a POISON CENTER/doctor if you feel unwell. Immediately call a POISON CENTER/doctor. 	
4.2. Most important symptoms and effects, both acute and delayed		
Symptoms/effects Symptoms/effects after inhalation Symptoms/effects after ingestion	 Causes severe skin burns and eye damage. Danger of serious damage to health by prolonged exposure through inhalation. May cause an allergic skin reaction. Swallowing a small quantity of this material will result in serious health hazard. 	

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

No additional information available

SECTION 5: Firefighting measures		
5.1. Extinguishing media		
Suitable extinguishing media Unsuitable extinguishing media	Foam. Dry powder. Carbon dioxide. Water spray. Sand.Do not use a heavy water stream.	
5.2. Special hazards arising from the substance or mixture		
No additional information available		
5.3. Advice for firefighters		
Firefighting instructions	: Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire fighting water from entering the environment.	
Protection during firefighting	: Do not enter fire area without proper protective equipment, including respiratory protection.	

SECTION 6: Accidental release measures		
6.1. Personal precautions, protect	tive equipment and emergency procedures	
6.1.1. For non-emergency personnel		
Emergency procedures	: Evacuate unnecessary personnel.	
6.1.2. For emergency responders		
Protective equipment	: Equip cleanup crew with proper protection.	
Emergency procedures	: Ventilate area.	
6.2. Environmental precautions		
Provent entry to sowers and public waters. Notify authorities if liquid enters sowers or public waters. Avoid release to the environment		

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters. Avoid release to the environment.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up

: Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

6.4. Reference to other sections

See Section 8. Exposure controls and personal protection.

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SECTION 7: Handling and storage		
7.1. Precautions for safe handling		
Precautions for safe handling Hygiene measures	 Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour. Use only outdoors or in a well-ventilated area. Avoid breathing dust/fume/gas/mist/vapours/spray. Do not breathe dust/fume/gas/mist/vapours/spray. Avoid contact during pregnancy/while nursing. Do not eat, drink or smoke when using this product. Wash hands, forearms and face thoroughly after handling. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reuse. 	
7.2. Conditions for safe storage, including	g any incompatibilities	
Technical measures Storage conditions Incompatible products Incompatible materials	 Comply with applicable regulations. Keep only in the original container in a cool, well ventilated place away from : Keep container closed when not in use. Strong bases. Strong acids. Sources of ignition. Direct sunlight. 	
7.3 Specific and use(s)		

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

No additional information available

8.2. Exposure controls

Personal protective equipment:

Avoid all unnecessary exposure.

Hand protection:		
Wear protective gloves.		
Eye protection:		
Chemical goggles or face shield		
Skin and body protection:		
Wear suitable protective clothing		
Respiratory protection:		

In case of inadequate ventilation wear respiratory protection.

Other information:

Do not eat, drink or smoke during use.

SECTION 9: Physical and chemical properties		
9.1. Information on basic ph	nysical and chemical properties	
Physical state Colour Odour	: Liquid : yellowish. : Amine-like.	

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Odour threshold	: No data available
pH	: No data available
Relative evaporation rate (butylacetate=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: > 100 °C
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: Non flammable.
Vapour pressure	: No data available
Relative vapour density at 20°C	: No data available
Relative density	: No data available
Density	: 1.02 g/cm ³
Solubility	: No data available
Partition coefficient n-octanol/water (Log Pow)	: No data available
Viscosity, kinematic	: 196.078 mm ² /s
Viscosity, dynamic	: 200 mPa·s
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

0.1. Reactivity

Corrosive vapours.

1

10.2. Chemical stability

Not established.

10.3. Possibility of hazardous reactions

Not established.

10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures.

10.5. Incompatible materials

Strong acids. Strong bases.

10.6. Hazardous decomposition products

fume. Carbon monoxide. Carbon dioxide. Thermal decomposition generates : Corrosive vapours.

SECTION 11: Toxicological information	
11.1. Information on toxicologica	effects
Acute toxicity (oral) Acute toxicity (dermal) Acute toxicity (inhalation)	 Not classified Not classified Not classified
Betochem 2000 B-comp	
ATE CLP (oral)	909.256 mg/kg bodyweight
ATE CLP (dust,mist)	2.542 mg/l/4h

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benzyl alcohol (100-51-6)	
LC50 Inhalation - Rat	> 4178 mg/l/4h
Skin corrosion/irritation	Causes severe skin burns.
Serious eye damage/irritation	: Assumed to cause serious eye damage
Respiratory or skin sensitisation	: May cause an allergic skin reaction.
Germ cell mutagenicity	: Not classified
Additional information	: Based on available data, the classification criteria are not met
Carcinogenicity	: Not classified
Additional information	: Based on available data, the classification criteria are not met
Reproductive toxicity	: Not classified
Additional information	: Based on available data, the classification criteria are not met
STOT-single exposure	: Not classified
Additional information	: Based on available data, the classification criteria are not met
STOT-repeated exposure	: Not classified
Additional information	: Based on available data, the classification criteria are not met
Aspiration hazard	: Not classified
Additional information	: Based on available data, the classification criteria are not met
Betochem 2000 B-comp	
Viscosity, kinematic	196.078 mm²/s

: Harmful if swallowed. Harmful if inhaled.

Potential adverse human health effects and symptoms

SECTION 12: Ecological information		
12.1. Toxicity		
Hazardous to the aquatic environment, short-term : (acute)	Harmful to aquatic life with long lasting effects. Not classified Not classified	
benzyl alcohol (100-51-6)		
LC50 fish 1	10 mg/l 96h	
LC50 fish 2	460 mg/l 96h	
12.2. Persistence and degradability		
Betochem 2000 B-comp		
Persistence and degradability	May cause long-term adverse effects in the environment.	
12.3. Bioaccumulative potential		
Betochem 2000 B-comp		
Bioaccumulative potential	Not established.	
12.4. Mobility in soil		

No additional information available

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12.5. Results of PBT and vPvB assessme	nt
No additional information available	
12.6. Other adverse effects	
Additional information	: Avoid release to the environment.
SECTION 13: Disposal considerations	5
13.1. Waste treatment methods	
Product/Packaging disposal recommendations	: Dispose in a safe manner in accordance with local/national regulations. Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

Ecology - waste materials

regional, national and/or international regulation. : Avoid release to the environment.

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

14.1. UN number	
UN-No. (ADR) UN-No. (IMDG) UN-No. (IATA) UN-No. (ADN) UN-No. (RID)	 : UN 2735
14.2. UN proper shipping name	
Proper Shipping Name (ADR) Proper Shipping Name (IMDG) Proper Shipping Name (IATA) Proper Shipping Name (ADN) Proper Shipping Name (RID) Transport document description (ADR)	 POLYAMINES, LIQUID, CORROSIVE, N.O.S. UN 2735 POLYAMINES, LIQUID, CORROSIVE, N.O.S. (CONTAINS : benzyl alcohol CONTAINS : 3-aminomethyl-3,5,5-trimethylcyclohexylamine CONTAINS : m-
Transport document description (IMDG)	 fenyleenbis(methylamine) CONTAINS : salicylic acid), 8, III, (E) UN 2735 POLYAMINES, LIQUID, CORROSIVE, N.O.S. (CONTAINS : benzyl alcohol CONTAINS : 3-aminomethyl-3,5,5-trimethylcyclohexylamine CONTAINS : m- fenyleenbis(methylamine) CONTAINS : salicylic acid), 8, III
Transport document description (IATA)	 UN 2735 Polyamines, liquid, corrosive, n.o.s. (CONTAINS : benzyl alcohol CONTAINS : 3- aminomethyl-3,5,5-trimethylcyclohexylamine CONTAINS : m-fenyleenbis(methylamine) CONTAINS : salicylic acid), 8, III
Transport document description (ADN)	: UN 2735 POLYAMINES, LIQUID, CORROSIVE, N.O.S. (CONTAINS : benzyl alcohol CONTAINS : 3-aminomethyl-3,5,5-trimethylcyclohexylamine CONTAINS : m- fenyleenbis(methylamine) CONTAINS : salicylic acid), 8, III
Transport document description (RID)	: UN 2735 POLYAMINES, LIQUID, CORROSIVE, N.O.S. (CONTAINS : benzyl alcohol CONTAINS : 3-aminomethyl-3,5,5-trimethylcyclohexylamine CONTAINS : m- fenyleenbis(methylamine) CONTAINS : salicylic acid), 8, III
14.3. Transport hazard class(es)	
ADR Transport hazard class(es) (ADR) Danger labels (ADR)	

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IMDG	
Transport hazard class(es) (IMDG) Danger labels (IMDG)	: 8 : 8
	. 0
	:
	8
ΙΑΤΑ	
Transport hazard class(es) (IATA)	: 8
Danger labels (IATA)	: 8
	: ^
	A CONTRACT OF A
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ADN Transport hazard class(es) (ADN)	: 8
Danger labels (ADN)	: 8
	8
RID	
Transport hazard class(es) (RID) Danger labels (RID)	: 8 : 8
	. 0
	:
	8
44.4 Decking second	•
14.4. Packing group	
Packing group (ADR) Packing group (IMDG)	: III : III
Packing group (IATA)	. m : m
Packing group (ADN)	: 111
Packing group (RID)	: 111
14.5. Environmental hazards	
Dangerous for the environment	: No
Marine pollutant	: No
Other information	: No supplementary information available
14.6. Special precautions for user	
Overland transport	
Classification code (ADR)	: C7
Special provisions (ADR)	: 274
Limited quantities (ADR)	: 51
Excepted quantities (ADR)	: E1 : D001 IBC02 D01 B001
Packing instructions (ADR) Mixed packing provisions (ADR)	: P001, IBC03, LP01, R001 : MP19
Portable tank and bulk container instructions (ADR)	
Portable tank and bulk container instructions (ADIC)	: TP1, TP28
(ADR)	
Tank code (ADR)	: L4BN
Vehicle for tank carriage	: AT

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3 3 4 7	
Transport category (ADR)	: 3
Special provisions for carriage - Packages (ADR)	: V12
Hazard identification number (Kemler No.)	: 80
Orange plates	80
	00
	2735
Tunnel restriction code (ADR)	: E
EAC code APP code	: 2X : B
Transport by sea Special provisions (IMDG)	: 223. 274
Limited quantities (IMDG)	: 5L
Excepted quantities (IMDG)	: E1
Packing instructions (IMDG)	: P001, LP01
IBC packing instructions (IMDG)	: IBC03
Tank instructions (IMDG)	: T7
Tank special provisions (IMDG)	: TP1, TP28
EmS-No. (Fire)	: F-A
EmS-No. (Spillage)	: S-B
Stowage category (IMDG)	: A
Segregation (IMDG)	: SGG18, SG35
Properties and observations (IMDG)	: Colourless to yellowish liquids or solutions with a pungent odour. Miscible with or soluble in
	water. When involved in a fire, evolve toxic gases. Corrosive to most metals, especially to
	copper and its alloys. Reacts violently with acids. Cause burns to skin, eyes and mucous
	membranes.
Air transport	
PCA Excepted quantities (IATA)	: E1
PCA Limited quantities (IATA)	: Y841
PCA limited quantity max net quantity (IATA)	: 1L
PCA packing instructions (IATA)	: 852
PCA max net quantity (IATA)	: 5L
CAO packing instructions (IATA)	: 856
CAO max net quantity (IATA)	: 60L
Special provisions (IATA)	: A3, A803
ERG code (IATA)	: 8L
Inland waterway transport	
Classification code (ADN)	: C7
Special provisions (ADN)	: 274
Limited quantities (ADN)	: 5L
Excepted quantities (ADN)	: E1
Equipment required (ADN)	: PP, EP
Number of blue cones/lights (ADN)	: 0
Rail transport	
Classification code (RID)	: C7
Special provisions (RID)	: 274
Limited quantities (RID)	: 5L
Excepted quantities (RID)	: E1
Packing instructions (RID)	: P001, IBC03, LP01, R001
Mixed packing provisions (RID)	: MP19
Portable tank and bulk container instructions (RID)	
Portable tank and bulk container special provisions	5 : TP1, TP28
(RID)	
Tank codes for RID tanks (RID)	: L4BN
Transport category (RID)	: 3
Special provisions for carriage – Packages (RID)	: W12
Colis express (express parcels) (RID) Hazard identification number (RID)	: CE8 : 80

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

Not applicable

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SECTION 15: Regulatory information

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

15.1.1. EU-Regulations

Contains no substance(s) listed on REACH Annex XVII (Restriction Conditions) Contains no substance(s) listed on the REACH Candidate List Contains no substance(s) listed on REACH Annex XIV (Authorisation List) Contains no substance(s) listed on the PIC list (Regulation EU 649/2012 concerning the export and import of hazardous chemicals) Contains no substance(s) listed on the POP list (Regulation EU 2019/1021 on persistent organic pollutants)

15.1.2. National regulations

No additional information available

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other inform	ation
Data sources	 REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.
Other information	: None.

Full text of H- and EUH-statements:	
Acute Tox. 4 (Dermal)	Acute toxicity (dermal), Category 4
Acute Tox. 4 (Inhalation)	Acute toxicity (inhal.), Category 4
Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4
Aquatic Chronic 2	Hazardous to the aquatic environment – Chronic Hazard, Category 2
Aquatic Chronic 3	Hazardous to the aquatic environment – Chronic Hazard, Category 3
Eye Dam. 1	Serious eye damage/eye irritation, Category 1
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
Repr. 2	Reproductive toxicity, Category 2
Skin Corr. 1A	Skin corrosion/irritation, Category 1, Sub-Category 1A
Skin Corr. 1B	Skin corrosion/irritation, Category 1, Sub-Category 1B
Skin Sens. 1	Skin sensitisation, Category 1
H302	Harmful if swallowed.
H312	Harmful in contact with skin.
H314	Causes severe skin burns and eye damage.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H332	Harmful if inhaled.
H361d	Suspected of damaging the unborn child.
H411	Toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.

SDS EU (REACH Annex II)

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This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.