EWS-B
Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

Issue date: 15/07/2015 Revision date: 19/07/2019 Supersedes version of: 15/07/2015 Version: 1.1

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

1.1. Product identifier

Product form : Mixture

Product name : EWS-B

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

1.2.1. Relevant identified uses

Main use category : Professional use

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Sidec
Industrieweg 10
2490 Balen - BELGIE
T +32 14 81 50 01
safety@sidec.be - www.sidec.eu

1.4. Emergency telephone number

Country	Organisation/Company	Address	Emergency number
Belgium	Centre Anti-Poisons/Antigifcentrum c/o Hôpital Central de la Base - Reine Astrid	Rue Bruyn 1 1120 Bruxelles/Brussel	+32 70 245 245

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

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

Acute Tox. 4 (Oral)	H302
Acute Tox. 4 (Inhalation:dust,mist)	H332
Skin Corr. 1	H314
Skin Sens. 1	H317
Repr. 2	H361
STOT SE 3	H335

Full text of H statements : see section 16

2.2. Label elements

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

Hazard pictograms (CLP) :

GHS05 GHS07 GHS08

Signal word (CLP) : Danger

Hazardous ingredients : Benzylic alcohol; 3-Dimethylaminopropylamine; m-fenyleenbis(methylamine); 3-aminomethyl-3,5,5-trimethylcyclohexylamine; SID-80-05-7

Hazard statements (CLP) : H302+H332 - Harmful if swallowed or if inhaled
H314 - Causes severe skin burns and eye damage.
H317 - May cause an allergic skin reaction.
H335 - May cause respiratory irritation.
H361 - Suspected of damaging fertility or the unborn child.

Precautionary statements (CLP) : P201 - Obtain special instructions before use.
P202 - Do not handle until all safety precautions have been read and understood.
P260 - Do not breathe vapours, mist, dust.
P264 - Wash hands, forearms and face thoroughly after handling.
P270 - Do not eat, drink or smoke when using this product.
P271 - Use only outdoors or in a well-ventilated area.

2.3. Other hazards

Adverse physicochemical, human health and environmental effects : Suspected of damaging fertility or the unborn child. Causes severe skin burns and eye damage. May cause an allergic skin reaction. Causes serious eye damage.

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]
Benzylic alcohol	(CAS-No.) 100-51-6 (EC-No.) 202-859-9 (EC Index-No.) 603-057-00-5 (REACH-no) 01-2119492630-38	25 – 50	Acute Tox. 4 (Oral), H302 Acute Tox. 4 (Inhalation:dust,mist), H332
3-Dimethylaminopropylamine	(CAS-No.) 109-55-7 (EC-No.) 203-680-9 (EC Index-No.) 612-061-00-6 (REACH-no) 01-2119486842-27	2,5 – 10	Acute Tox. 4 (Oral), H302 Acute Tox. 4 (Dermal), H312 Skin Corr. 1, H314 Skin Sens. 1, H317 STOT SE 3, H335
m-fenyleenbis(methylamine)	(CAS-No.) 1477-55-0 (EC-No.) 216-032-5 (REACH-no) 01-2119480150-50	2,5 – 10	Acute Tox. 4 (Oral), H302 Acute Tox. 4 (Inhalation:dust,mist), H332 Skin Corr. 1, H314 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 (REACH-no) 01-2119514687-32	2,5 – 10	Acute Tox. 4 (Oral), H302 Acute Tox. 4 (Dermal), H312 Skin Sens. 1, H317 Aquatic Chronic 3, H412
SID-80-05-7 substance listed as REACH Candidate (4,4'-isopropylidenediphenol (bisphenol A; BPA))	(CAS-No.) 80-05-7 (EC-No.) 201-245-8 (EC Index-No.) 604-030-00-0 (REACH-no) 01-2119457856-23	2,5 – 10	Eye Dam. 1, H318 Skin Sens. 1, H317 Repr. 2, H361f STOT SE 3, H335
SID-90-72-2	(CAS-No.) 90-72-2 (EC-No.) 202-013-9 (EC Index-No.) 603-069-00-0 (REACH-no) 01-2119560597-27	2,5 – 10	Skin Irrit. 2, H315 Eye Irrit. 2, H319

Full text of H-statements: see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general : Remove contaminated clothes.

First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing. If you feel unwell, seek medical advice.

First-aid measures after skin contact : Wash skin with soap and water. If on skin and if skin irritation occurs, seek medical advice and attention.

First-aid measures after eye contact : Immediately rinse with water for a prolonged period while holding the eyelids wide open. Get immediate medical advice/attention.

First-aid measures after ingestion : Immediately call a POISON CENTER or doctor.

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

No additional information available

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 : Dry chemical, CO2, dry sand, or alcohol-resistant foam.

Unsuitable extinguishing media : high volume water jet.

5.2. Special hazards arising from the substance or mixture

No additional information available

5.3. Advice for firefighters

Protection during firefighting : Use self-contained breathing apparatus and chemically protective clothing. Wear fire/flame resistant/retardant clothing.

Other information : Dispose in a safe manner in accordance with local/national regulations.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Protective equipment : protective clothing.

6.1.2. For emergency responders

No additional information available

6.2. Environmental precautions

Prevent soil and water pollution.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Soak up with inert absorbent material (for example sand, sawdust, a universal binder, silica gel).

6.4. Reference to other sections

For further information refer to section 13. Concerning personal protective equipment to use, see section 8.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Ensure adequate ventilation.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Store in original container or corrosive resistant and/or lined container. Keep container tightly closed.

Storage area : Smoking, eating and drinking should be prohibited in areas of storage and use.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

m-fenyleenbis(methylamine) (1477-55-0)		
Belgium	Short time value (mg/m³)	0,1 mg/m³ (The statement “M” indicates that exposure above the limit value will cause irritation or there is a risk of acute poisoning. The work process must be designed so that the exposure never exceeds the limit value. During a control, the sampled period should be as short as possible to be able to perform a reliable measurement. The measurement result is then related to the period considered.)
France	VLE (mg/m³)	0,1 mg/m³
USA - ACGIH	ACGIH Ceiling (mg/m³)	0,1 mg/m³
SID-80-05-7 (80-05-7)		
EU	IOELV TWA (mg/m³)	2 mg/m³ (Inhalable fraction)
Belgium	Limit value (mg/m³)	2 mg/m³
France	VME (mg/m³)	10 mg/m³
Netherlands	Grenswaarde TGG 8H (mg/m³)	2 mg/m³ (inhalable)
United Kingdom	WEL TWA (mg/m³)	2 mg/m³

8.2. Exposure controls

Appropriate engineering controls : Keep away from food, drink and animal feedingstuffs. Take off contaminated clothing. Avoid contact with skin and eyes.

Personal protective equipment : High gas/vapour concentration: gas mask with filter type A. Gloves. Protective goggles.

Hand protection	:	Impermeable protective gloves. Recommended materials. Protecting gloves from butyl rubber >480 min (EN 374) >0,5 mm. Nitrile rubber. Viton. Layer thickness : Choosing the proper glove is a decision that depends not only on the type of material, but also on other quality features, which differ for each manufacturer. Gloves must be replaced after each use and whenever signs of wear or perforation appear. Time of penetration is to be checked with the glove producer. unsuitable materials: leather gloves, thick fabric gloves
Skin and body protection	:	Complete protective clothing. Long sleeved protective clothing
Respiratory protection	:	[In case of inadequate ventilation] wear respiratory protection. High gas/vapour concentration: gas mask with filter type A

Other information	:	Wash hands and face before break and at end of works.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	:	Liquid
Colour	:	yellowish.
Odour	:	Amine-like.
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	:	≈ 135
Flash point	:	≈ 86
Auto-ignition temperature	:	No data available
Decomposition temperature	:	No data available
Flammability (solid, gas)	:	No data available
Vapour pressure	:	0,3 hPa
Relative vapour density at 20 °C	:	No data available
Relative density	:	No data available
Density	:	1,02 g/cm³
Solubility	:	No data available
Partition coefficient n-octanol/water (Log Pow)	:	No data available
Viscosity, kinematic	:	No data available
Viscosity, dynamic	:	600 mPa·s
Explosive properties	:	No data available
Oxidising properties	:	No data available
Explosive limits	:	1,3 – 13 vol %

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

No additional information available

10.2. Chemical stability

No additional information available

10.3. Possibility of hazardous reactions

No additional information available

10.4. Conditions to avoid

No additional information available

10.5. Incompatible materials

Oxidizing agent.

10.6. Hazardous decomposition products

May liberate toxic gases.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity : Harmful if swallowed or in contact with skin. Harmful if inhaled.

ATE CLP (oral)	833,589 mg/kg bodyweight
ATE CLP (dust,mist)	2,451 mg/l/4h

Benzylic alcohol (100-51-6)	
LD50 oral rat	1620 mg/kg bodyweight (Rat; Experimental value))
LC50 inhalation rat (mg/l)	> 4,178 mg/l air (OECD 403: Acute inhalation toxicity, 4 h, Rat, Male / female, Experimental value, Inhalation (aerosol))

3-Dimethylaminopropylamine (109-55-7)	
LD50 oral rat	410 mg/kg bodyweight (OECD 401: Acute oral toxicity, Rat, Male / female, Experimental value, Oral, 14 day (s))
LD50 dermal rabbit	2396 mg/kg bodyweight (OECD 402: Acute Dermal Toxicity, 24h, Rabbit, Male / Female, Experimental Value, Dermal)
LC50 inhalation rat (mg/l)	> 4,3 mg/l air (OECD 403: Acute Inhalation Toxicity, 4h, Rat, Male / Female, Experimental Value, Inhalation (vapor), 14 day (s))

m-fenyleenbis(methylamine) (1477-55-0)	
LD50 oral rat	930 mg/kg bodyweight (OECD 401: Acute oral toxicity, Rat, Male / female, Experimental value, Oral, 14 day (s))
LD50 dermal rat	> 3100 mg/kg bodyweight (24h, Rat, Male / female, Experimental value, Dermal, 14 day (s))
LD50 dermal rabbit	2000 mg/kg
LC50 inhalation rat (mg/l)	1,34 mg/l (OECD 403: Acute inhalation toxicity, 4 h, Rat, Male / female, Experimental value, Inhalation (aerosol))

3-aminomethyl-3,5,5-trimethylcyclohexylamine (2855-13-2)	
LD50 oral rat	1030 mg/kg (Equivalent to or corresponding to OECD 401, Rat, Male, Experimental value, Oral, 14 day (s))
LD50 dermal rat	> 2000 mg/kg bodyweight (Rat; Experimental value; OECD 402: Acute dermal toxicity)
LC50 inhalation rat (mg/l)	> 5,01 mg/l/4h (Rat; Experimental value)

SID-80-05-7 (80-05-7)	
LD50 oral rat	2000 – 5000 mg/kg bodyweight (OECD 401: Acute oral toxicity, Rat, Male / female, Experimental value, Oral (one dose), 14 day (s))
LD50 dermal rabbit	3000 mg/kg bodyweight

SID-90-72-2 (90-72-2)	
LD50 oral rat	2169 mg/kg bodyweight (OECD 401: Acute oral toxicity, Rat, Male / female, Experimental value, Oral, 14 day (s))

Skin corrosion/irritation : Health hazard - Skin corrosion or Irritation

Serious eye damage/irritation : Highly corrosive to eyes

Respiratory or skin sensitisation : May cause an allergic skin reaction.

Germ cell mutagenicity : Not classified

Carcinogenicity : Not classified

Reproductive toxicity : Suspected of damaging fertility or the unborn child.

STOT-single exposure : May cause respiratory irritation.

STOT-repeated exposure : Not classified

Aspiration hazard : Not classified

EWS-B	
Viscosity, kinematic	588,235 mm²/s

SECTION 12: Ecological information

12.1. Toxicity

Benzylic alcohol (100-51-6)	
LC50 fish 1	460 mg/l (EPA OPP 72-1, 96 h, Pimephales promelas, Static system, Fresh water, Experimental value, Nominal concentration)
EC50 Daphnia 1	230 mg/l (OECD 202: Acute Immobilization Study in Daphnia sp., 48 h, Daphnia magna, Fresh water, Experimental value, GLP)
LC50 fish 2	10 mg/l (96 h; Lepomis macrochirus)

Benzylic alcohol (100-51-6)	
ErC50 (algae)	770 mg/l (OECD 201: Algae: growth inhibition study, 72 h, Pseudokirchneriella subcapitata, Static system, Fresh water, Experimental value, GLP)
Threshold limit algae 1	640 mg/l (96 h; Scenedesmus quadricauda)

3-Dimethylaminopropylamine (109-55-7)	
LC50 fish 1	122 mg/l (OECD 203: Fish: acute toxicity study, 96 h, Leuciscus idus, Static system, Fresh water, Experimental value)
EC50 Daphnia 1	59,5 mg/l (EU method C.2, 48 h, Daphnia magna, Static system, Fresh water, Experimental value)

m-fenyleenbis(methylamine) (1477-55-0)	
LC50 fish 1	87,6 mg/l (OECD 203: Fish: acute toxicity study, 96 h, Oryzias latipes, Semi-static system, Fresh water, Experimental value, Nominal concentration)
EC50 Daphnia 1	15,2 mg/l (OECD 202: Acute Immobilization Study at Daphnia sp., 48 h, Daphnia magna, Static System, Fresh Water, Experimental Value, Movement)
LC50 fish 2	> 100 mg/l (LC50; 96 h)
ErC50 (algae)	33,3 mg/l (OECD 201: Algae: growth inhibition study, 72 h, Pseudokirchneriella subcapitata, Static system, Experimental value, Nominal concentration)
Threshold limit algae 1	12 mg/l (EC50; 72 h)

3-aminomethyl-3,5,5-trimethylcyclohexylamine (2855-13-2)	
LC50 fish 1	110 mg/l (EU method C.1, 96 h, Leuciscus idus, Semi-static system, Fresh water, Experimental value, GLP)
EC50 Daphnia 1	23 mg/l (OECD 202: Acute Immobilization Study in Daphnia sp., 48 h, Daphnia magna, Static System, Fresh Water, Experimental Value, GLP)
LC50 fish 2	110 mg/l (LC50; EU method C.1; 96 h; Leuciscus idus; Semi-static system; Fresh water; Experimental value)
NOEC chronic crustacea	23
NOEC chronic algae	1,5 mg/l

SID-80-05-7 (80-05-7)	
LC50 fish 1	4,6 mg/l (Equivalent to or corresponding to OECD 203, 96 h, Pimephales promelas, Flow-through system, Fresh water, Experimental value, GLP)
EC50 Daphnia 1	10,2 mg/l (ASTM E-35.21, 48 h, Daphnia magna, Static system, Fresh water, Experimental value, GLP)
ErC50 (algae)	2,73 – 3,1 mg/l

SID-90-72-2 (90-72-2)	
LC50 fish 1	175 mg/l (APHA, 96 h, Cyprinus carpio, Static system, Fresh water, Experimental value, Nominal concentration)
ErC50 (algae)	84 mg/l (OECD 201: Algae: growth inhibition study, 72 h, Desmodesmus subspicatus, Static system, Fresh water, Experimental value, GLP)

12.2. Persistence and degradability

Benzylic alcohol (100-51-6)	
Persistence and degradability	easily degradable in the soil. readily degradable in water.
Biochemical oxygen demand (BOD)	1,6 g O_2/g substance
Chemical oxygen demand (COD)	2,4 g O_2/g substance
ThOD	2,5 g O_2/g substance

3-Dimethylaminopropylamine (109-55-7)	
Persistence and degradability	Readily biodegradable in water.

m-fenyleenbis(methylamine) (1477-55-0)	
Persistence and degradability	Water : Not biodegradable.

3-aminomethyl-3,5,5-trimethylcyclohexylamine (2855-13-2)	
Persistence and degradability	Product is practically not biodegradable.

SID-80-05-7 (80-05-7)	
Persistence and degradability	easily degradable in the soil. readily degradable in water.
Chemical oxygen demand (COD)	0,036 g O_2/g substance
ThOD	2,5 g O_2/g substance

SID-90-72-2 (90-72-2)	
Persistence and degradability	Water : Not biodegradable.

12.3. Bioaccumulative potential

Benzylic alcohol (100-51-6)	
Partition coefficient n-octanol/water (Log Pow)	1 – 1,1 20 °c Experimental value
Bioaccumulative potential	Low bioaccumulation potential.
3-Dimethylaminopropylamine (109-55-7)	
Partition coefficient n-octanol/water (Log Pow)	-0,352 (Experimental value, OECD 107: Partition coefficient (n-octanol / water): Shake bottle method, 25 ° C)
Bioaccumulative potential	No bioaccumulation expected.
m-fenyleenbis(methylamine) (1477-55-0)	
BCF fish 1	< 2,7 (BCF)
Partition coefficient n-octanol/water (Log Pow)	0,18 (Experimental value, OECD 107: Partition coefficient (n-octanol / water): Shake bottle method, 25 ° C)
Bioaccumulative potential	Low bioaccumulation potential.
3-aminomethyl-3,5,5-trimethylcyclohexylamine (2855-13-2)	
BCF other aquatic organisms 1	3,16 (BCF; BCFWIN)
Partition coefficient n-octanol/water (Log Pow)	0,99 (Experimental value; OECD 107: Partition coefficient (n-octanol / water): Shake bottle method; 23 ° C)
Bioaccumulative potential	Low bioaccumulation potential.
SID-80-05-7 (80-05-7)	
BCF fish 1	5,1 – 67 (Other, 42 day (s), Cyprinus carpio, Flow system, Fresh water, Experimental value, Fresh weight)
Partition coefficient n-octanol/water (Log Pow)	3,4 (Experimental value, OECD 107: Partition coefficient (n-octanol / water): Shake bottle method, 21.5 ° C)
Bioaccumulative potential	Low bioaccumulation potential.
SID-90-72-2 (90-72-2)	
Partition coefficient n-octanol/water (Log Pow)	-0,66 (Experimental value, EPA OPPTS 830.7550: Partition coefficient (n-octanol / water): Shake bottle method, 21.5 ° C)
Bioaccumulative potential	Low bioaccumulation potential.

12.4. Mobility in soil

Benzylic alcohol (100-51-6)	
Surface tension	39 mN/m (20 °C)
Ecology - soil	No supplementary information available.
3-Dimethylaminopropylamine (109-55-7)	
Partition coefficient n-octanol/water (Log Koc)	1,866 (log Koc,calculated value)
m-fenyleenbis(methylamine) (1477-55-0)	
Partition coefficient n-octanol/water (Log Koc)	3,11 (log Koc, QSAR)
Ecology - soil	Very little. Adsorption in soil.
3-aminomethyl-3,5,5-trimethylcyclohexylamine (2855-13-2)	
Surface tension	3,47 N/m (23 °C)
Partition coefficient n-octanol/water (Log Koc)	log Koc,2.97; QSAR
Ecology - soil	Small adsorption.
SID-80-05-7 (80-05-7)	
Partition coefficient n-octanol/water (Log Koc)	2,4 – 3,18 (log Koc, Equivalent to or corresponding to OECD 106, Experimental value)
Ecology - soil	little. Adsorption in soil.
SID-90-72-2 (90-72-2)	
Partition coefficient n-octanol/water (Log Koc)	1,32 (log Koc,calculated value)
Ecology - soil	strong. Mobile.

12.5. Results of PBT and vPvB assessment

Component	
Benzylic alcohol (100-51-6)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII
m-fenyleenbis(methylamine) (1477-55-0)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII
3-aminomethyl-3,5,5-trimethylcyclohexylamine (2855-13-2)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII
SID-80-05-7 (80-05-7)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

Component	
SID-90-72-2 (90-72-2)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

12.6. Other adverse effects

No additional information available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Regional legislation (waste) : Ensure all national/local regulations are observed.

SECTION 14: Transport information

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

14.1. UN number

UN-No. (ADR) : 2735
UN-No. (IMDG) : 2735
UN-No. (IATA) : 2735
UN-No. (ADN) : 2735
UN-No. (RID) : 2735

14.2. UN proper shipping name

Proper Shipping Name (ADR) : AMINES, LIQUID, CORROSIVE, N.O.S.
Proper Shipping Name (IMDG) : AMINES, LIQUID, CORROSIVE, N.O.S.
Proper Shipping Name (IATA) : Amines, liquid, corrosive, n.o.s.
Proper Shipping Name (ADN) : AMINES, LIQUID, CORROSIVE, N.O.S.
Proper Shipping Name (RID) : AMINES, LIQUID, CORROSIVE, N.O.S.
Transport document description (ADR) : UN 2735 AMINES, LIQUID, CORROSIVE, N.O.S. (m-phenylenebis(methylamine)), 8, III, (E)
Transport document description (IMDG) : UN 2735 AMINES, LIQUID, CORROSIVE, N.O.S. (m-phenylenebis(methylamine)), 8, III

14.3. Transport hazard class(es)

ADR

Transport hazard class(es) (ADR) : 8
Danger labels (ADR) : 8

:

IMDG

Transport hazard class(es) (IMDG) : 8
Danger labels (IMDG) : 8

:

IATA

Transport hazard class(es) (IATA) : 8
Danger labels (IATA) : 8

:

ADN

Transport hazard class(es) (ADN) : 8

Danger labels (ADN) : 8

:

RID

Transport hazard class(es) (RID) : 8

Danger labels (RID) : 8

:

14.4. Packing group

Packing group (ADR) : III

Packing group (IMDG) : III

Packing group (IATA) : III

Packing group (ADN) : III

Packing group (RID) : III

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) : 5l

Excepted quantities (ADR) : E1

Packing instructions (ADR) : P001, IBC03, LP01, R001

Mixed packing provisions (ADR) : MP19

Portable tank and bulk container instructions (ADR) : T7

Portable tank and bulk container special provisions (ADR) : TP1, TP28

Tank code (ADR) : L4BN

Vehicle for tank carriage : AT

Transport category (ADR) : 3

Special provisions for carriage - Packages (ADR) : V12

Hazard identification number (Kemler No.) : 80

Orange plates :

Tunnel restriction code (ADR) : E

EAC code : 2X

APP code : B

- Transport by sea

Special provisions (IMDG) : 223, 274

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
Stowage and segregation (IMDG)	:	Separated from' acids.
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)	:	5 L
Excepted quantities (ADN)	:	E1
Carriage permitted (ADN)	:	T
Equipment required (ADN)	:	PP, EP
Number of blue cones/lights (ADN)	:	0
Carriage prohibited (ADN)	:	No
Not subject to ADN	:	No

- Rail transport

Classification code (RID)	:	C7
Special provisions (RID)	:	274
Excepted quantities (RID)	:	E1
Packing instructions (RID)	:	P001, IBC03, LP01, R001
Mixed packing provisions (RID)	:	MP19
Portable tank and bulk container instructions (RID)	:	T7
Portable tank and bulk container special provisions (RID)	:	TP1, TP28
Tank codes for RID tanks (RID)	:	L4BN
Transport category (RID)	:	3
Special provisions for carriage – Packages (RID)	:	W12
Colis express (express parcels) (RID)	:	CE8
Hazard identification number (RID)	:	80
Carriage prohibited (RID)	:	No

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

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 REACH substances with Annex XVII restrictions

Contains a substance on the REACH candidate list in concentration ≥ 0.1% or with a lower specific limit: 4,4'-isopropylidenediphenol (bisphenol A; BPA) (EC 201-245-8, CAS 80-05-7)

Contains no REACH Annex XIV substances

15.1.2. National regulations

Germany

Regulatory reference	:	WGK 2, Significantly hazardous to water (Classification according to AwSV, Annex 1)
Hazardous Incident Ordinance (12. BImSchV)	:	Is not subject of the 12. BImSchV (Hazardous Incident Ordinance)

Netherlands

SZW-lijst van kankerverwekkende stoffen	:	None of the components are listed
SZW-lijst van mutagene stoffen	:	None of the components are listed
NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Borstvoeding	:	None of the components are listed
NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Vruchtbaarheid	:	SID-80-05-7 is listed
NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Ontwikkeling	:	None of the components are listed

Denmark

Classification remarks	:	Emergency management guidelines for the storage of flammable liquids must be followed
Recommendations Danish Regulation	:	Young people below the age of 18 years are not allowed to use the product Pregnant/breastfeeding women working with the product must not be in direct contact with the product

15.2. Chemical safety assessment

No additional information available

SECTION 16: Other information

Full text of H- and EUH-statements:

Acute Tox. 4 (Dermal)	Acute toxicity (dermal), Category 4
Acute Tox. 4 (Inhalation:dust,mist)	Acute toxicity (inhalation:dust,mist) Category 4
Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4
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
Repr. 2	Reproductive toxicity, Category 2
Skin Corr. 1	Skin corrosion/irritation, Category 1
Skin Irrit. 2	Skin corrosion/irritation, Category 2
Skin Sens. 1	Skin sensitisation, Category 1
STOT SE 3	Specific target organ toxicity — Single exposure, Category 3, Respiratory tract irritation
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.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H332	Harmful if inhaled.
H335	May cause respiratory irritation.
H361	Suspected of damaging fertility or the unborn child.
H361f	Suspected of damaging fertility.
H412	Harmful to aquatic life with long lasting effects.

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.