BAM-E009 Elastomer ISO 13226 SRE-NBR 28/SX

Safety Data Sheet

according to Regulation (EU) 2020/878

Date of issue: 30.11.2014 Revision date: 30.09.2022 Version/Replaced Version: 2.2/2.1

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

1.1. Product identifier

Product form : Mixture

Product name : BAM-E009 Elastomer ISO 13226 SRE-NBR 28/SX

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

1.2.1. Relevant identified uses

Use of the substance/mixture : Automotive area (vulcanized with thiurame, high elongation at break)

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Bundesanstalt für Materialforschung und -prüfung (BAM)
Unter den Eichen 87
12205 Berlin - Germany
T +49 (0) 30 8104-3230, -1749
F +49 (0) 30 8104-3328
crm-elastomer@bam.de - http://www.webshop.bam.de/

Safety Data Sheet: DLAC Dienstleistungsagentur Chemie GmbH, E-mail: sds@dlac-gmbh.de

1.4. Emergency telephone number

Country	Organisation/Company	Address	Emergency number
Germany	Giftnotruf der Charité Universitätsmedizin Berlin	Oranienburger Straße 285 13437 Berlin	+49 30 30686700 (German, English) only in Germany; in all other cases use the information below

Information on national poison control centres within the EU can be found under the member states information on their national helpdesks:
http://echa.europa.eu/de/support/helpdesks/national-helpdesks/list-of-national-helpdesks

Global information on poison centres can be found at the WHO homepage: http://www.who.int/gho/phe/chemical_safety/poisons_centres/en/

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

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

Sensitisation — Skin, Category 1 H317

Hazardous to the aquatic environment — Chronic Hazard, Category 2 H411

Full text of H-phrases: see section 16

Adverse physicochemical, human health and environmental effects

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

2.2. Label elements

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

Not required, mixture containing elastomer which does not present a hazard to human health by inhalation, ingestion or contact with skin or to the aquatic environment. Exception to the labelling requirement according to Annex I, 1.3.4.1.

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]
Carbon black	(CAS No) 1333-86-4 (EC No) 215-609-9	30 - 50	Not classified

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Zinc oxide	(CAS No) 1314-13-2 (EC No) 215-222-5 (EC index No) 030-013-00-7 (REACH-No) 01-2119463881-32-XXXX	1 - 5	Aquatic Acute 1, H400 Aquatic Chronic 1, H410
Thiram (ISO), tetramethylthiuram disulphide	(CAS No) 137-26-8 (EC No) 205-286-2 (EC index No) 006-005-00-4	< 1.5	Acute Tox. 4 (Oral), H302 Acute Tox. 4 (Inhalation), H332 Skin Irrit. 2, H315 Eye Irrit. 2, H319 Skin Sens. 1, H317 STOT RE 2, H373 Aquatic Acute 1, H400 Aquatic Chronic 1, H410 (M=10)
1,2-Dihydro-2,2,4-trimethylquinoline, oligomers	(CAS No) 26780-96-1 (EC No) 500-051-3	< 1.5	Aquatic Chronic 3, H412
N-cyclohexylbenzothiazole-2-sulphenamide	(CAS No) 95-33-0 (EC No) 202-411-2 (EC index No) 613-136-00-6	≤ 1	Skin Sens. 1, H317 Aquatic Acute 1, H400 Aquatic Chronic 1, H410

Full text of H-phrases: 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 to fresh air and keep at rest in a position comfortable for breathing.

First-aid measures after skin contact : Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse. If skin irritation or rash occurs: Get medical advice/attention. Wash contaminated clothing before reuse.

First-aid measures after eye contact : IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

First-aid measures after ingestion : Rinse mouth. Give 2-3 glasses of water to drink. Call a POISON CENTER/doctor/physician if you feel unwell.

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

Symptoms/injuries after skin contact : May cause an allergic skin reaction.

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 : Foam. Extinguishing powder. Carbon dioxide. Water spray. Sand.

Unsuitable extinguishing media : 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. Prevent fire-fighting water from entering 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, protective 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

Prevent entry to sewers and public waters. Prevent soil and water pollution. Notify authorities if product enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up : On land, sweep or shovel into suitable containers. Keep in suitable, closed containers for disposal.

6.4. Reference to other sections

Concerning personal protective equipment to use, see section 8. Concerning disposal elimination after cleaning, see section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling	:	Avoid breathing dust. Provide adequate ventilation.
Hygiene measures	:	When using do not eat, drink or smoke. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reuse.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions	:	Store in original container. Store in dry, cool, well-ventilated area. Store in a dark area. Keep container closed when not in use.
Incompatible materials	:	Keep out of direct sunlight. Keep away from any flames or sparking source.
Prohibitions on mixed storage	:	Keep away from food, drink and animal feedingstuffs.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Zinc oxide (1314-13-2)		
Ireland	Local name	Zinc oxide, fume
Ireland	OEL (8 hours ref) (mg/m³)	2 (R) mg/m³
Ireland	OEL (15 min ref) (mg/m3)	10 mg/m³
United Kingdom	Local name	Dust
United Kingdom	WEL TWA (mg/m³)	10 mg/m³ (inhalable) 4 mg/m³ (respirable)

Carbon black (1333-86-4)		
Ireland	Local name	Carbon black
Ireland	OEL (8 hours ref) (mg/m³)	3 (I) mg/m³
United Kingdom	Local name	Carbon black
United Kingdom	WEL TWA (mg/m³)	3.5 mg/m³
United Kingdom	WEL STEL (mg/m³)	7 mg/m³

Thiram (ISO), tetramethylthiuram disulphide (137-26-8)		
Ireland	Local name	Thiram (ISO)
Ireland	OEL (8 hours ref) (mg/m³)	0.05 mg/m³ (IFV)

Zinc oxide (1314-13-2)	
DNEL/DMEL (Workers)	
Long-term - systemic effects, inhalation	5 mg/m³
Long-term - local effects, inhalation	0.5 mg/m³
Long-term - systemic effects, dermal	83 mg/kg bodyweight/day
DNEL/DMEL (General population)	
Long-term - systemic effects, dermal	83 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	2.5 mg/m³
Long-term - systemic effects, oral	0.83 mg/kg bodyweight/day
PNEC (Water)	
PNEC aqua (freshwater)	0.0206 mg/l
PNEC aqua (marine water)	0.0061 mg/l
PNEC (Sediment)	
PNEC sediment (freshwater)	117.8 mg/kg dwt
PNEC sediment (marine water)	56.5 mg/kg dwt
PNEC (Soil)	
PNEC soil	35.6 mg/kg dwt
PNEC (STP)	
PNEC sewage treatment plant	0.1 mg/l

Thiram (ISO), tetramethylthiuram disulphide (137-26-8)
DNEL/DMEL (Workers)

Thiram (ISO), tetramethylthiuram disulphide (137-26-8)	
Acute - systemic effects, dermal	10 mg/kg bodyweight/day
Acute - systemic effects, inhalation	0.564 mg/m³
Long-term - systemic effects, dermal	1.6 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	0.118 mg/m³
PNEC (Water)	
PNEC aqua (Süßwasser)	0 mg/l
PNEC aqua (Meerwasser)	0 mg/l
PNEC aqua (intermittierend, Süßwasser)	0 mg/l
PNEC (Sediment)	
PNEC sediment (freshwater)	0.047 mg/kg dwt
PNEC sediment (marine water)	0.005 mg/kg dwt
PNEC (Soil)	
PNEC soil	0.009 mg/kg dwt
PNEC (Oral)	
PNEC oral (secondary poisoning)	0.59 mg/kg food
PNEC (STP)	
PNEC sewage treatment plant	0.031 mg/l

N-cyclohexylbenzothiazole-2-sulphenamide (95-33-0)	
DNEL/DMEL (Workers)	
Acute - systemic effects, inhalation	11 mg/m³
Acute - systemic effects, dermal	534 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	11 mg/m³
Long-term - systemic effects, dermal	67 mg/kg bodyweight/day
Acute - local effects, inhalation	11 mg/m³
Long-term - local effects, inhalation	11 mg/m³
DNEL/DMEL (General population)	
Acute - systemic effects, inhalation	2.8 mg/m³
Acute - systemic effects, dermal	266 mg/kg bodyweight/day
Acute - systemic effects, oral	6.4 mg/kg bodyweight/day
Long-term - systemic effects, oral	0.8 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	2.8 mg/m³
Long-term - systemic effects, dermal	33 mg/kg bodyweight/day
Acute - local effects, inhalation	2.8 mg/m³
Long-term - local effects, inhalation	2.8 mg/m³
PNEC (Water)	
PNEC aqua (freshwater)	0.001 mg/l
PNEC aqua (marine water)	0 mg/l
PNEC aqua (intermittent, freshwater)	0.002 mg/l
PNEC (Sediment)	
PNEC sediment (freshwater)	0.183 mg/kg dwt
PNEC sediment (marine water)	0.018 mg/kg dwt
PNEC (Soil)	
PNEC soil	3.61 mg/kg dwt
PNEC (Oral)	
PNEC oral (secondary poisoning)	26.4 mg/kg food
PNEC (STP)	
PNEC sewage treatment plant	100 mg/l

1,2-Dihydro-2,2,4-trimethylquinoline, oligomers (26780-96-1)	
DNEL/DMEL (Workers)	
Long-term - systemic effects, dermal	1 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	7 mg/m³
DNEL/DMEL (General population)	
Long-term - systemic effects, oral	0.6 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	1.8 mg/m³
Long-term - systemic effects, dermal	0.6 mg/kg bodyweight/day
PNEC (Water)	
PNEC aqua (freshwater)	0.056 mg/l
PNEC aqua (marine water)	0.006 mg/l

1,2-Dihydro-2,2,4-trimethylquinoline, oligomers (26780-96-1)	
PNEC aqua (intermittent, freshwater)	0.56 mg/l
PNEC (Sediment)	
PNEC sediment (freshwater)	21 mg/kg dwt
PNEC sediment (marine water)	2.1 mg/kg dwt
PNEC (Soil)	
PNEC soil	4.2 mg/kg dwt
PNEC (Oral)	
PNEC oral (secondary poisoning)	8 mg/kg food
PNEC (STP)	
PNEC sewage treatment plant	100 mg/l

8.2. Exposure controls

Appropriate engineering controls : Provide local exhaust or general room ventilation.

Hand protection : Wear suitable gloves. Chemical resistant PVC gloves (to European standard EN 374 or equivalent). Latex. Nitrile rubber. The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

Eye protection : Chemical goggles or safety glasses (EN 166).

Skin and body protection : Wear suitable protective clothing.

Respiratory protection : In case of inadequate ventilation wear respiratory protection. Dust production: dust mask with filter type P1.

Environmental exposure controls : Avoid release to the environment.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state : Solid

Colour : Black

Odour : Odourless

Melting point/freezing point : No data available

Boiling point or initial boiling point and boiling range : No data available

Flammability : Non flammable

Lower and upper explosion limit : Not applicable

Flash point : Not applicable

Auto-ignition temperature : Not applicable

Decomposition temperature : No data available

pH : No data available

Kinematic viscosity : Not applicable

Solubility : No data available

Partition coefficient n-octanol/water (log value) : No data available

Vapour pressure : No data available

Density and/or relative density : 1.19 - 1.23 g/cm³ (ISO 2781)

Relative vapour density : Not applicable

Particle characteristics : No data available

9.2. Other information

Explosive properties : No data available

Oxidising properties : No data available

Hardness : 76 - 81 Shore A (ISO 48-4)
76 - 81 IRHD (ISO 48-2)

Tensile strength : 20 - 25 MPa (ISO 37)

Elongation at break : 300 - 400 % (ISO 37)

SECTION 10: Stability and reactivity

10.1. Reactivity

No dangerous reactions known.

10.2. Chemical stability

Stable under use and storage conditions as recommended in section 7.

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid

Extremely high or low temperatures.

10.5. Incompatible materials

No additional information available

10.6. Hazardous decomposition products

Fume. Carbon monoxide. Carbon dioxide.

SECTION 11: Toxicological information

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

Acute toxicity : Not classified

Based on available data, the classification criteria are not met

Zinc oxide (1314-13-2)	
LD50 oral rat	> 2000 mg/kg (OECD 401)
LD50 dermal rat	> 2000 mg/kg (OECD 402)
LC50 inhalation rat	> 5.7 mg/l/4h (OECD 403)

Carbon black (1333-86-4)	
LD50 oral rat	> 8000 mg/kg

N-cyclohexylbenzothiazole-2-sulphenamide (95-33-0)	
LD50 oral rat	5300 mg/kg
LD50 dermal rabbit	> 7940 mg/kg

1,2-Dihydro-2,2,4-trimethylquinoline, oligomers (26780-96-1)	
LD50 oral rat	3190 mg/kg
LD50 dermal rabbit	> 5010 mg/kg

Thiram (ISO), tetramethylthiuram disulphide (137-26-8)	
LD50 oral rat	1850 mg/kg
LD50 dermal rabbit	> 2000 mg/kg
LC50 inhalation rat (Dust/Mist)	4.42 mg/l/4h

Skin corrosion/irritation : Not classified

Based on available data, the classification criteria are not met

Serious eye damage/irritation : Not classified

Based on available data, the classification criteria are not met

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

Germ cell mutagenicity : Not classified

Based on available data, the classification criteria are not met

Carcinogenicity : Not classified

Based on available data, the classification criteria are not met

Reproductive toxicity : Not classified

Based on available data, the classification criteria are not met

Specific target organ toxicity (single exposure) : Not classified

Based on available data, the classification criteria are not met

N-cyclohexylbenzothiazole-2-sulphenamide (95-33-0)	
LOAEL (oral, rat)	250 mg/kg bodyweight
LOAEL (dermal, rat/rabbit)	2000 mg/kg bodyweight
NOAEL (oral, rat)	80 mg/kg bodyweight

Specific target organ toxicity (repeated exposure) : Not classified

Based on available data, the classification criteria are not met

Carbon black (1333-86-4)	
NOAEC (inhalation, rat, dust/mist/fume, 90 days)	1.1 mg/m³/6h

Aspiration hazard : Not classified

Based on available data, the classification criteria are not met

11.2. Information on other hazards

Potential adverse human health effects and symptoms : Based on available data, the classification criteria are not met

SECTION 12: Ecological information

12.1. Toxicity

Acute aquatic toxicity : Not classified

Chronic aquatic toxicity : Toxic to aquatic life with long lasting effects.

Zinc oxide (1314-13-2)	
LC50 fish	0.5 mg/l 96 h, Pimephales promelas (Schubauer-Berrigan, 1993)
EC50 daphnia	0.413 mg/l pH < 7; Zn++; 48 h, Ceriodaphnia dubia (Hyne et al., 2005)
ErC50 algae	0.136 mg/l pH > 7 - 8.5; Zn++, 72 h, Selenastrum capricornutum (Van Ginneken, 1994)

Carbon black (1333-86-4)	
LC50 fish	> 1000 mg/l 96 h, Brachydanio rerio (OECD 203)
EC50 daphnia	> 5600 mg/l 24 h, Daphnia magna (OECD 202)
ErC50 algae	> 10000 mg/l 72 h, Scenedesmus subspicatus (OECD 201)
NOEC algae	> 10000 mg/l 72 h, Scenedesmus subspicatus (OECD 201)

N-cyclohexylbenzothiazole-2-sulphenamide (95-33-0)	
LC50 fish	2.1 mg/l 96 h, Oryzias latipes (OECD 203)
EC50 daphnia	0.79 mg/l 48 h, Daphnia magna (OECD 202)
ErC50 algae	0.15 mg/l 72 h, Pseudokirchneriella subcapitata (OECD 201)
NOEC daphnia	0.058 mg/l 21 d, Daphnia magna (OECD 211)

1,2-Dihydro-2,2,4-trimethylquinoline, oligomers (26780-96-1)	
LL0 fish	> 100 mg/l 96 h , Danio rerio (EU C.1)
EL50 daphnia	56 mg/l 48 h, Daphnia magna (EU C.2)
EL0 algae	> 100 mg/l 72 h, Desmodesmus subspicatus (EU C.3)

Thiram (ISO), tetramethylthiuram disulphide (137-26-8)	
LC50 fish	0.046 mg/l 96 h, Oncorhynchus mykiss (OECD 203)
EC50 daphnia	0.38 mg/l 48 h, Daphnia magna (OECD 202)
ErC50 algae	0.065 mg/l 72 h, Pseudokirchneriella subcapitata (OECD 201)

12.2. Persistence and degradability

BAM-E009 Elastomer ISO 13226 SRE-NBR 28/SX	
Persistence and degradability	May cause long-term adverse effects in the environment.

N-cyclohexylbenzothiazole-2-sulphenamide (95-33-0)	
Persistence and degradability	Not readily biodegradable.
Biodegradation	0 %, 28 d (EU C.4-F)

1,2-Dihydro-2,2,4-trimethylquinoline, oligomers (26780-96-1)	
Persistence and degradability	Not readily biodegradable.
Biodegradation	0 % (EU C.4-E Closed bottle test)

Thiram (ISO), tetramethylthiuram disulphide (137-26-8)	
Persistence and degradability	Not readily biodegradable.
Biodegradation	40 %, 28 d (OECD 301 D)

12.3. Bioaccumulative potential

N-cyclohexylbenzothiazole-2-sulphenamide (95-33-0)	
Bioconcentration factor (BCF REACH)	924.7
Log Pow	5

1,2-Dihydro-2,2,4-trimethylquinoline, oligomers (26780-96-1)	
Log Pow	5.8

Thiram (ISO), tetramethylthiuram disulphide (137-26-8)	
Log Pow	1.8

12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Endocrine disrupting properties

No additional information available

12.7. Other adverse effects

No additional information available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Regional legislation (waste) : Dispose in a safe manner in accordance with local/national regulations.

Waste treatment methods : Do not dispose of with domestic waste. Do not empty into drains. This material and its container must be disposed of in a safe way.

European List of Waste (LoW) code : 07 02 13 - waste plastic

SECTION 14: Transport information

In accordance with ADR / IMDG / IATA

14.1. UN number or ID number

UN-No. (ADR) : 3077

UN-No. (IMDG) : 3077

UN-No.(IATA) : 3077

14.2. UN proper shipping name

Proper Shipping Name (ADR) : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.

Proper Shipping Name (IMDG) : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.

Proper Shipping Name (IATA) : Environmentally hazardous substance, solid, n.o.s.

Transport document description (ADR) : UN 3077 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (CONTAINS zinc oxide), 9, III, (-)

14.3. Transport hazard class(es)

ADR

Transport hazard class(es) (ADR) : 9

Hazard labels (ADR) : 9

:

IMDG

Transport hazard class(es) (IMDG) : 9

Danger labels (IMDG) : 9

:

IATA

Transport hazard class(es) (IATA) : 9

Hazard labels (IATA) : 9

:

14.4. Packing group

Packing group (ADR) : III

Packing group (IMDG) : III

Packing group (IATA) : III

14.5. Environmental hazards

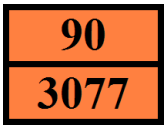
Dangerous for the environment : Yes

Marine pollutant : Yes

Other information : No supplementary information available

14.6. Special precautions for user

14.6.1. Overland transport

Classification code (ADR)	: M7
Special provisions (ADR)	: 274, 335, 375, 601
Limited quantities (ADR)	: 5kg
Excepted quantities (ADR)	: E1
Packing instructions (ADR)	: P002, IBC08, LP02, R001
Special packing provisions (ADR)	: PP12, B3
Mixed packing provisions (ADR)	: MP10
Portable tank and bulk container instructions (ADR)	: T1, BK1, BK2, BK3
Portable tank and bulk container special provisions (ADR)	: TP33
Tank code (ADR)	: SGAV, LGBV
Vehicle for tank carriage	: AT
Transport category (ADR)	: 3
Special provisions for carriage - Packages (ADR)	: V13
Special provisions for carriage - Bulk (ADR)	: VC1, VC2
Special provisions for carriage - Loading, unloading and handling (ADR)	: CV13
Hazard identification number (Kemler No.)	: 90
Orange plates	: 
Tunnel restriction code (ADR)	: -

14.6.2. Transport by sea

Special provisions (IMDG)	: 274, 335, 966, 967, 969
Limited quantities (IMDG)	: 5 kg
Excepted quantities (IMDG)	: E1
Packing instructions (IMDG)	: P002, LP02
Special packing provisions (IMDG)	: PP12
IBC packing instructions (IMDG)	: IBC08
IBC special provisions (IMDG)	: B3
Tank instructions (IMDG)	: T1, BK1, BK2, BK3
Tank special provisions (IMDG)	: TP33
EmS-No. (Fire)	: F-A
EmS-No. (Spillage)	: S-F
Stowage category (IMDG)	: A
Stowage and handling (IMDG)	: SW23

14.6.3. Air transport

PCA Excepted quantities (IATA)	: E1
PCA Limited quantities (IATA)	: Y956
PCA limited quantity max net quantity (IATA)	: 30kgG
PCA packing instructions (IATA)	: 956
PCA max net quantity (IATA)	: 400kg
CAO packing instructions (IATA)	: 956
CAO max net quantity (IATA)	: 400kg
Special provisions (IATA)	: A97, A158, A179, A197
ERG code (IATA)	: 9L

14.7. Maritime transport in bulk according to IMO instruments

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 substance on the REACH candidate list

Contains no REACH Annex XIV substances

15.1.2. National regulations

No additional information available

15.2. Chemical safety assessment

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

SECTION 16: Other information

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.
Changes compared to the previous version	:	Section 1.4. Section 2.2. Section 8.1.

Abbreviations and acronyms:

ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
CLP	Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures
DMEL	Derived Minimal Effect Level
DNEL	Derived No-Effect Level
EC50	The effective concentration of substance that causes 50% of the maximum response (Median Effective Concentration)
IATA	International Air Transport Association
IMDG	“International Maritime Dangerous Goods Code” for the transport of dangerous goods by sea
LC50	Lethal Concentration to 50 % of a test population (Median Lethal Concentration)
LD50	Lethal Dose to 50% of a test population (Median Lethal Dose)
NOEC/L	No Observed Effect Concentration/Level
OECD	Organisation for Economic Cooperation and Development
PBT	Persistent, Bioaccumulative and Toxic substance
PNEC	Predicted No-Effect Concentration
REACH	Regulation (EC) No 1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals
SDS	Safety Data Sheet
STP	Sewage Treatment Plant
vPvB	Very Persistent and Very Bioaccumulative

Full text of H- and EUH-phrases:

Acute Tox. 4 (Inhalation:dust,mist)	Acute toxicity (inhalation:dust,mist) Category 4
Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4
Aquatic Acute 1	Hazardous to the aquatic environment — Acute Hazard, Category 1
Aquatic Chronic 1	Hazardous to the aquatic environment — Chronic Hazard, Category 1
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 Irrit. 2	Serious eye damage/eye irritation, Category 2
Skin Irrit. 2	Skin corrosion/irritation, Category 2
Skin Sens. 1	Sensitisation — Skin, category 1
STOT RE 2	Specific target organ toxicity — Repeated exposure, Category 2
H302	Harmful if swallowed
H315	Causes skin irritation
H317	May cause an allergic skin reaction
H319	Causes serious eye irritation
H332	Harmful if inhaled
H373	May cause damage to organs through prolonged or repeated exposure
H400	Very toxic to aquatic life
H410	Very toxic to aquatic life with long lasting effects
H411	Toxic to aquatic life with long lasting effects
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.