

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2020/878 Issue date: 16/04/2015 Revision date: 13/11/2024 Supersedes version of: 12/03/2024 Version: 12.0

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

1.1. Product identifier

Product form	: Mixture
Product name	: RARE EARTH COPPER OXIDE
Product code	: B1123
Product group	: End product

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

1.2.1. Relevant identified uses

Main use category
Use of the substance/mixture
Function or use category

Professional useLaboratory chemicalsLaboratory chemicals

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Elemental Microanalysis Ltd 1 Hameldown Road Okehampton, Devon, EX20 1UB GB United Kingdom T +44 1837 54446 enquiries@microanalysis.co.uk, https://www.elementalmicroanalysis.com/

1.4. Emergency telephone number

Emergency number

: +44 (0) 7990 767375

SECTION 2: Hazards identification

2.1.	Classification	of t	the	substance	or	mixture
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Classification according to Regulation (EC) No. 1272/2008 [CLP]

Hazardous to the aquatic environment – Acute Hazard, Category 1H400Hazardous to the aquatic environment – Chronic Hazard, Category 1H410Full text of H- and EUH-statements: see section 16H410

Adverse physicochemical, human health and environmental effects

Very toxic to aquatic life with long lasting effects.

2.2. Label elements

Labelling according to Regulation (EC)	No. 1272/2008 [CLP]	
Hazard pictograms (CLP)	: GHS09	
Signal word (CLP)	: Warning	
Hazard statements (CLP)	: H410 - Very toxic to aquatic life with long lasting effects.	
Precautionary statements (CLP)	: P391 - Collect spillage.	

2.3. Other hazards

Contains no PBT and/or vPvB substances ≥ 0.1% assessed in accordance with REACH Annex XIII

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2020/878

The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or substance(s) are not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at a concentration equal to or greater than 0,1 %

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]
COPPER (II) OXIDE	CAS-No.: 1317-38-0 EC-No.: 215-269-1 EC Index-No.: 029-016-00-6	90	Aquatic Acute 1, H400 (M=100) Aquatic Chronic 1, H410 (M=10)
KAOLIN	CAS-No.: 1332-58-7 EC-No.: 310-194-1	8	Not classified
LANTHANUM OXIDE	CAS-No.: 1312-81-8 EC-No.: 215-200-5	0.95	Aquatic Chronic 3, H412
CERIUM DIOXIDE	CAS-No.: 1306-38-3 EC-No.: 215-150-4	0.95	Not classified

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

SECTION 4: First aid measures 4.1. Description of first aid measures : Remove person to fresh air and keep comfortable for breathing. First-aid measures after inhalation First-aid measures after skin contact Wash skin with plenty of water. First-aid measures after eye contact Rinse eyes with water as a precaution. : Call a poison center or a doctor if you feel unwell. First-aid measures after ingestion : 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 : Water spray. Dry powder. Foam. 5.2. Special hazards arising from the substance or mixture Hazardous decomposition products in case of fire : Toxic fumes may be released. 5.3. Advice for firefighters

Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2020/878

SECTION 6: Accidental release measures		
6.1. Personal precautions, protectiv	e equipment and emergency procedures	
6.1.1. For non-emergency personnel		
Emergency procedures	: Ventilate spillage area.	
6.1.2. For emergency responders		
Protective equipment	: Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".	
6.2. Environmental precautions		
Avoid release to the environment.		
6.3. Methods and material for conta	ainment and cleaning up	
For containment	: Collect spillage.	
Methods for cleaning up	: Mechanically recover the product.	
Other information	: Dispose of materials or solid residues at an authorized site.	
6.4. Reference to other sections		
For further information refer to section 13.		

SECTION 7: Handling and	storage
7.1. Precautions for safe handlin	g
Precautions for safe handling Hygiene measures	 Ensure good ventilation of the work station. Wear personal protective equipment. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.
7.2. Conditions for safe storage,	including any incompatibilities
Storage conditions	: Store in a well-ventilated place. Keep cool.
7.3. Specific end use(s)	

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.1.1 National occupational exposure and biological limit values

COPPER (II) OXIDE (1317-38-0)		
EU - Indicative Occupational Exposure Limit (IOEL)		
Local name Copper(II) oxide		
IOEL TWA	0.01 mg/m ³ (respirable fraction)	
Remark	(Year of adoption 2014)	
Regulatory reference	SCOEL Recommendations	
KAOLIN (1332-58-7)		
United Kingdom - Occupational Exposure Limits		
Local name	Kaolin	
WEL TWA (OEL TWA)	2 mg/m ³ respirable dust	
Regulatory reference	EH40/2005 (Fourth edition, 2020). HSE	

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2020/878

8.1.2. Recommended monitoring procedures

No additional information available

8.1.3. Air contaminants formed

No additional information available

8.1.4. DNEL and PNEC

No additional information available

8.1.5. Control banding

No additional information available

8.2. Exposure controls

8.2.1. Appropriate engineering controls

Appropriate engineering controls:

Ensure good ventilation of the work station.

8.2.2. Personal protection equipment

Personal protective equipment symbol(s):



8.2.2.1. Eye and face protection

Eye protection: Safety glasses

8.2.2.2. Skin protection

Skin and body protection: Wear suitable protective clothing

Hand protection: Protective gloves

8.2.2.3. Respiratory protection

Respiratory protection:

In case of insufficient ventilation, wear suitable respiratory equipment

8.2.2.4. Thermal hazards

No additional information available

8.2.3. Environmental exposure controls

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 : Perceptible o	dour.
Odour threshold : Not available	
Melting point : No data avail	able.
Freezing point : Not applicable	e
Boiling point : Not available	
Flammability : Non flammab	le.
Explosive limits : Not applicable	э
Lower explosion limit : Not applicable	e
Upper explosion limit : Not applicable	e

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2020/878

Flash point Auto-ignition temperature	: Not applicable : No data available.
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Decomposition temperature	: Not available
рН	: No data available.
pH solution	: Not available
Viscosity, kinematic	: Not applicable
Solubility	: Not available
Partition coefficient n-octanol/water (Log Kow)	: Not available
Vapour pressure	: Not available
Vapour pressure at 50°C	: Not available
Density	: Not available
Relative density	: No data available.
Relative vapour density at 20°C	: No data available.
Particle size	: Not available

9.2. Other information

9.2.1. Information with regard to physical hazard classes

No additional information available

9.2.2. Other safety characteristics

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid

None under recommended storage and handling conditions (see section 7).

10.5. Incompatible materials

No additional information available

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: Toxicological information

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

Acute toxicity (dermal)	Not classified Not classified Not classified
LD50 oral rat	> 2500 mg/kg bodyweight Animal: rat, Animal sex: male, Guideline: OECD Guideline 423 (Acute Oral toxicity - Acute Toxic Class Method)
LD50 dermal rat	> 2000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 402 (Acute Dermal Toxicity), Guideline: EU Method B.3 (Acute Toxicity (Dermal))
LC50 Inhalation - Rat	> 2000 mg/kg

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2020/878

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pH 7 Source: GESTIS KAOLIN (1332-58-7) pH 4.5 Source: hsdb Respiratory or skin sensitisation : Not classified Germ cell mutagenicity : Not classified Carcinogenicity : Not classified Reproductive toxicity : Not classified LANTHANUM OXIDE (1312-81-8) NOAEL (animal/female, F0/P) NOAEL (animal/female, F0/P) 40 mg/kg bodyweight Animal: mouse, Animal sex: female NOAEL (animal/female, F1) 40 mg/kg bodyweight Animal: mouse, Animal sex: female STOT-single exposure : Not classified CERIUM DIOXIDE (1306-38-3) Not classified NOAEL (oral, rat, 90 days) ≥ 1000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 422 (Combined Repeated Dose Toxicity Study with the Reproduction / Developmental Toxicity Screening Test) Aspiration hazard : Not classified RARE EARTH COPPER OXIDE	Serious eye damage/irritation		
KAOLIN (1332-58-7) pH 4.5 Source: hsdb Respiratory or skin sensitisation : Not classified Germ cell mutagenicity : Not classified Carcinogenicity : Not classified Reproductive toxicity : Not classified LANTHANUM OXIDE (1312-81-8) NOAEL (animal/female, F0/P) 40 mg/kg bodyweight Animal: mouse, Animal sex: female NOAEL (animal/female, F1) 40 mg/kg bodyweight Animal: mouse, Animal sex: female STOT-single exposure : Not classified CERIUM DIOXIDE (1306-38-3) Xot classified NOAEL (oral, rat, 90 days) 2 1000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 422 (Combined Repeated Dose Toxicity Study with the Reproduction / Developmental Toxicity Screening Test) Aspiration hazard : Not classified	COPPER (II) OXIDE (1317-38-0)		
pH 4.5 Source: hsdb Respiratory or skin sensitisation : Not classified Germ cell mutagenicity : Not classified Carcinogenicity : Not classified Reproductive toxicity : Not classified Reproductive toxicity : Not classified LANTHANUM OXIDE (1312-81-8) Vot classified NOAEL (animal/female, F0/P) 40 mg/kg bodyweight Animal: mouse, Animal sex: female NOAEL (animal/female, F1) 40 mg/kg bodyweight Animal: mouse, Animal sex: female STOT-single exposure : Not classified STOT-repeated exposure : Not classified CERIUM DIOXIDE (1306-38-3) > 1000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 422 (Combined Repeated Dose Toxicity Study with the Reproduction / Developmental Toxicity Screening Test) Aspiration hazard : Not classified RARE EARTH COPPER OXIDE : Not classified	рН	7 Source: GESTIS	
Respiratory or skin sensitisation : Not classified Germ cell mutagenicity : Not classified Carcinogenicity : Not classified Reproductive toxicity : Not classified LANTHANUM OXIDE (1312-81-8) Not classified NOAEL (animal/female, F0/P) 40 mg/kg bodyweight Animal: mouse, Animal sex: female NOAEL (animal/female, F1) 40 mg/kg bodyweight Animal: mouse, Animal sex: female STOT-single exposure : Not classified CERIUM DIOXIDE (1306-38-3) Not classified NOAEL (oral, rat, 90 days) ≥ 1000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 422 (Combined Repeated Dose Toxicity Study with the Reproduction / Developmental Toxicity Screening Test) Aspiration hazard : Not classified RARE EARTH COPPER OXIDE * Not classified	KAOLIN (1332-58-7)		
Germ cell mutagenicity : Not classified Carcinogenicity : Not classified Reproductive toxicity : Not classified INOAEL (animal/female, F0/P) 40 mg/kg bodyweight Animal: mouse, Animal sex: female NOAEL (animal/female, F1) 40 mg/kg bodyweight Animal: mouse, Animal sex: female STOT-single exposure : Not classified STOT-repeated exposure : Not classified CERIUM DIOXIDE (1306-38-3) Not classified NOAEL (oral, rat, 90 days) ≥ 1000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 422 (Combined Repeated Dose Toxicity Study with the Reproduction / Developmental Toxicity Screening Test) Aspiration hazard : Not classified RARE EARTH COPPER OXIDE	рН	4.5 Source: hsdb	
Carcinogenicity : Not classified Reproductive toxicity : Not classified LANTHANUM OXIDE (1312-81-8) 40 mg/kg bodyweight Animal: mouse, Animal sex: female NOAEL (animal/female, F0/P) 40 mg/kg bodyweight Animal: mouse, Animal sex: female NOAEL (animal/female, F1) 40 mg/kg bodyweight Animal: mouse, Animal sex: female STOT-single exposure : Not classified STOT-repeated exposure : Not classified CERIUM DIOXIDE (1306-38-3) NOAEL (oral, rat, 90 days) NOAEL (oral, rat, 90 days) ≥ 1000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 422 (Combined Repeated Dose Toxicity Study with the Reproduction / Developmental Toxicity Screening Test) Aspiration hazard : Not classified RARE EARTH COPPER OXIDE : Not classified	Respiratory or skin sensitisation	: Not classified	
Reproductive toxicity : Not classified LANTHANUM OXIDE (1312-81-8) 40 mg/kg bodyweight Animal: mouse, Animal sex: female NOAEL (animal/female, F0/P) 40 mg/kg bodyweight Animal: mouse, Animal sex: female NOAEL (animal/female, F1) 40 mg/kg bodyweight Animal: mouse, Animal sex: female STOT-single exposure : Not classified STOT-repeated exposure : Not classified CERIUM DIOXIDE (1306-38-3) NOAEL (oral, rat, 90 days) NOAEL (oral, rat, 90 days) ≥ 1000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 422 (Combined Repeated Dose Toxicity Study with the Reproduction / Developmental Toxicity Screening Test) Aspiration hazard : Not classified RARE EARTH COPPER OXIDE : Not classified	Germ cell mutagenicity		
LANTHANUM OXIDE (1312-81-8) NOAEL (animal/female, F0/P) 40 mg/kg bodyweight Animal: mouse, Animal sex: female NOAEL (animal/female, F1) 40 mg/kg bodyweight Animal: mouse, Animal sex: female STOT-single exposure : Not classified STOT-repeated exposure : Not classified CERIUM DIOXIDE (1306-38-3) NOAEL (oral, rat, 90 days) ≥ 1000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 422 (Combined Repeated Dose Toxicity Study with the Reproduction / Developmental Toxicity Screening Test) Aspiration hazard : Not classified RARE EARTH COPPER OXIDE : Not classified			
NOAEL (animal/female, F0/P) 40 mg/kg bodyweight Animal: mouse, Animal sex: female NOAEL (animal/female, F1) 40 mg/kg bodyweight Animal: mouse, Animal sex: female STOT-single exposure : Not classified STOT-repeated exposure : Not classified CERIUM DIOXIDE (1306-38-3) Volume NOAEL (oral, rat, 90 days) ≥ 1000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 422 (Combined Repeated Dose Toxicity Study with the Reproduction / Developmental Toxicity Screening Test) Aspiration hazard : Not classified RARE EARTH COPPER OXIDE			
NOAEL (animal/female, F1) 40 mg/kg bodyweight Animal: mouse, Animal sex: female STOT-single exposure : Not classified STOT-repeated exposure : Not classified CERIUM DIOXIDE (1306-38-3)		40 mg/kg bodyweight Animal: mouse. Animal sex: female	
STOT-single exposure : Not classified STOT-repeated exposure : Not classified CERIUM DIOXIDE (1306-38-3)			
STOT-repeated exposure : Not classified CERIUM DIOXIDE (1306-38-3)			
NOAEL (oral, rat, 90 days) ≥ 1000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 422 (Combined Repeated Dose Toxicity Study with the Reproduction / Developmental Toxicity Screening Test) Aspiration hazard : Not classified RARE EARTH COPPER OXIDE	STOT-repeated exposure		
Repeated Dose Toxicity Study with the Reproduction / Developmental Toxicity Screening Test) Aspiration hazard : Not classified RARE EARTH COPPER OXIDE	CERIUM DIOXIDE (1306-38-3)		
RARE EARTH COPPER OXIDE	NOAEL (oral, rat, 90 days)	Repeated Dose Toxicity Study with the Reproduction / Developmental Toxicity Screening	
	Aspiration hazard	: Not classified	
Viscosity, kinematic Not applicable	RARE EARTH COPPER OXIDE		
	Viscosity, kinematic	Not applicable	

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2020/878

CERIUM DIOXIDE (1306-38-3)	
Viscosity, kinematic	Not applicable

11.2. Information on other hazards

No additional information available

cology - general azardous to the aquatic environment, short–term cute)	: Very toxic to aquatic life with long lasting effects.	
azardous to the aquatic environment, long-term hronic) ot rapidly degradable	 Very toxic to aquatic life. Very toxic to aquatic life with long lasting effects. 	
COPPER (II) OXIDE (1317-38-0)		
C50 - Fish [1]	25.4 mg/l	
C50 - Crustacea [1]	0.0926 mg/l Source: ECHA	
C50 - Other aquatic organisms [1]	0.011 mg/l	
ANTHANUM OXIDE (1312-81-8)		
C50 - Other aquatic organisms [1]	100 mg/l	
CERIUM DIOXIDE (1306-38-3)		
C50 - Fish [1]	77.556 mg/l Source: QSAR	
C50 - Other aquatic organisms [1]	> 100 mg/l	
C50 96h - Algae [1]	53.489 mg/l Source: QSAR	
2.2. Persistence and degradability		
o additional information available		
2.3. Bioaccumulative potential		
o additional information available		
2.4. Mobility in soil		
o additional information available		
2.5. Results of PBT and vPvB assessme	ent	
o additional information available		
12.6. Endocrine disrupting properties		
o additional information available		
2.7. Other adverse effects		

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste treatment methods

: Dispose of contents/container in accordance with licensed collector's sorting instructions.

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2020/878

HP Code

: HP14 - "Ecotoxic:" waste which presents or may present immediate or delayed risks for one or more sectors of the environment

ADR	IMDG	ΙΑΤΑ	ADN	RID
4.1. UN number or ID n	umber			
UN 3077	UN 3077	UN 3077	UN 3077	UN 3077
4.2. UN proper shippin	g name	· · · ·		
ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (COPPER (II) OXIDE)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (COPPER (II) OXIDE)	Environmentally hazardous substance, solid, n.o.s. (COPPER (II) OXIDE)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (COPPER (II) OXIDE)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (COPPER (II) OXIDE)
Fransport document descr	iption	1		
UN 3077 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (COPPER (II) OXIDE), 9, III, (-)	UN 3077 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (COPPER (II) OXIDE), 9, III, MARINE POLLUTANT	UN 3077 Environmentally hazardous substance, solid, n.o.s. (COPPER (II) OXIDE), 9, III	UN 3077 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (COPPER (II) OXIDE), 9, III	UN 3077 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (COPPER (II) OXIDE), 9, III
14.3. Transport hazard o	class(es)			
9	9	9	9	9
14.4. Packing group				
111	III	III	III	111
14.5. Environmental haz	zards	·		
Dangerous for the environment: Yes	Dangerous for the environment: Yes Marine pollutant: Yes	Dangerous for the environment: Yes	Dangerous for the environment: Yes	Dangerous for the environment: Yes
No supplementary informatic	n available	·		

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		TP33
(ADR)		
Tank code (ADR)	:	SGAV, LGBV
Vehicle for tank carriage		AT
Transport category (ADR)		3

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2020/878

according to Regulation (EC) No. 1907/2006 (REACH) with	its amendment Regulation (EU) 2020/878
Special provisions for carriage - Packages (ADR)	: V13
Special provisions for carriage - Bulk (ADR)	: VC1, VC2
Special provisions for carriage - Loading, unloading	: CV13
and handling (ADR)	
Hazard identification number (Kemler No.)	: 90
Orange plates	
	90
	3077
	3077
Tunnel restriction code (ADR)	:-
EAC code	: 2Z
Transport by sea	
Special provisions (IMDG)	: 274, 335, 966, 967, 969
Limited quantities (IMDG)	: 5 kg
Excepted quantities (IMDG)	: E1
Packing instructions (IMDG)	: LP02, P002
Special packing provisions (IMDG)	: PP12
IBC packing instructions (IMDG)	: IBC08
IBC special provisions (IMDG) Tank instructions (IMDG)	: B3 : BK1, BK2, BK3, T1
Tank instructions (IMDG) Tank special provisions (IMDG)	: TP33
EmS-No. (Fire)	: F-A
EmS-No. (Spillage)	: S-F
Stowage category (IMDG)	: A
Stowage and handling (IMDG)	: SW23
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, A215
ERG code (IATA)	: 9L
In low of super-sector sectors	
Inland waterway transport Classification code (ADN)	• 147
	: M7
Special provisions (ADN) Limited quantities (ADN)	: 274, 335, 375, 601 : 5 kg
Excepted quantities (ADN)	: 5 kg
Carriage permitted (ADN)	. ET : T* B**
Equipment required (ADN)	: PP, A***
Number of blue cones/lights (ADN)	: 0
Additional requirements/Remarks (ADN)	: * Only in the molten state. ** For carriage in bulk see also 7.1.4.1. *** Only in the case of
	transport in bulk.
Rail transport	
Classification code (RID)	: M7
Special provisions (RID)	: 274, 335, 375, 601
Limited quantities (RID)	: 5kg
Excepted quantities (RID)	: E1
Packing instructions (RID)	: P002, IBC08, LP02, R001
Special packing provisions (RID)	: PP12, B3
Mixed packing provisions (RID)	: MP10
Portable tank and bulk container instructions (RID)	: T1, BK1, BK2, BK3
Portable tank and bulk container special provisions	: TP33
(RID) Tank codes for RID tanks (RID)	: SGAV, LGBV
Transport category (RID)	: 3

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2020/878

Special provisions for carriage – Packages (RID) Special provisions for carriage – Bulk (RID)		W13 VC1, VC2
Special provisions for carriage - Loading, unloading	:	CW13, CW31
and handling (RID)		
Colis express (express parcels) (RID)	:	CE11
Hazard identification number (RID)		90

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

REACH Annex XVII (Restriction List)

Contains no substance(s) listed on REACH Annex XVII (Restriction Conditions)

REACH Annex XIV (Authorisation List)

Contains no substance(s) listed on REACH Annex XIV (Authorisation List)

REACH Candidate List (SVHC)

Contains no substance(s) listed on the REACH Candidate List

PIC Regulation (Prior Informed Consent)

Contains no substance(s) listed on the PIC list (Regulation EU 649/2012 concerning the export and import of hazardous chemicals)

POP Regulation (Persistent Organic Pollutants)

Contains no substance(s) listed on the POP list (Regulation EU 2019/1021 on persistent organic pollutants)

Ozone Regulation (1005/2009)

Contains no substance(s) listed on the Ozone Depletion list (Regulation EU 1005/2009 on substances that deplete the ozone layer)

Explosives Precursors Regulation (2019/1148)

Contains no substance(s) listed on the Explosives Precursors list (Regulation EU 2019/1148 on the marketing and use of explosives precursors)

Drug Precursors Regulation (273/2004)

Contains no substance(s) listed on the Drug Precursors list (Regulation EC 273/2004 on the manufacture and the placing on market of certain substances used in the illicit manufacture of narcotic drugs and psychotropic substances)

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 information		
Abbreviations and acronyms:		
ADN	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways	
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road	
ATE	Acute Toxicity Estimate	
BCF	Bioconcentration factor	
BLV	Biological limit value	
BOD	Biochemical oxygen demand (BOD)	
COD	Chemical oxygen demand (COD)	

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2020/878

Abbreviations and acronyms:		
DMEL	Derived Minimal Effect level	
DNEL	Derived-No Effect Level	
EC-No.	European Community number	
EC50	Median effective concentration	
EN	European Standard	
IARC	International Agency for Research on Cancer	
ΙΑΤΑ	International Air Transport Association	
IMDG	International Maritime Dangerous Goods	
LC50	Median lethal concentration	
LD50	Median lethal dose	
LOAEL	Lowest Observed Adverse Effect Level	
NOAEC	No-Observed Adverse Effect Concentration	
NOAEL	No-Observed Adverse Effect Level	
NOEC	No-Observed Effect Concentration	
OECD	Organisation for Economic Co-operation and Development	
OEL	Occupational Exposure Limit	
РВТ	Persistent Bioaccumulative Toxic	
PNEC	Predicted No-Effect Concentration	
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail	
SDS	Safety Data Sheet	
STP	Sewage treatment plant	
ThOD	Theoretical oxygen demand (ThOD)	
TLM	Median Tolerance Limit	
VOC	Volatile Organic Compounds	
CAS-No.	Chemical Abstract Service number	
N.O.S.	Not Otherwise Specified	
vPvB	Very Persistent and Very Bioaccumulative	
ED	Endocrine disruptor	

Full text of H- and EUH-statements:		
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 3	Hazardous to the aquatic environment – Chronic Hazard, Category 3	
H400	Very toxic to aquatic life.	
H410	Very toxic to aquatic life with long lasting effects.	
H412	Harmful to aquatic life with long lasting effects.	

The classification complies with

: ATP 12

Safety Data Sheet (SDS)_EMAL, EU

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2020/878

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.