

Current version : 2.0.4, issued: 18.10.2021

Replaced version: 2.0.3, issued: 04.05.2020

Region: GB

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

1.1 **Product identifier**

Trade name

EC no.

TIMREX® KS, SFG, SLP, SLS, T, T-SLC, MX, MB, KC, MK, F, KL, MAA C-NERGY™ KS-L, SFG-L

Substance name REACH registration no.	Graphite (> 99,5 %) 01-2119486977-12
Identification numbers	
CAS no.	7782-42-5

231-955-3

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

Relevant identified uses of the substance or mixture Electrical and thermal conductive additive Friction modifier Carbon carrier Lubricant Refractories Uses advised against

None known

1.3 Details of the supplier of the safety data sheet

Address

Imerys Graphite & Carbon Switzerland Ltd. Strada Industriale 12 6743 Bodio (Switzerland) Telephone no. +41 91 873 20 10 Fax no. +41 91 873 20 19 e-mail

graphiteandcarbon.ch@imerys.com

Information provided by / telephone

Research and Development

Advice on Safety Data Sheet sdb_info@umco.de

1.4 Emergency telephone number

For Hazardous Materials [or Dangerous Goods] Incident Spill, Leak, Fire, Exposure, or Accident Call CHEMTREC Day or Night International Number: +1 703-741-5970 (collect calls accepted) Local number: +(44)-870-8200418

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification information

This product does not meet the classification and labelling criteria given in the Regulation (EC) No 1272/2008 (CLP).

2.2 Label elements

Not relevant

2.3 Other hazards

PBT assessment The product is not considered to be a PBT.

vPvB assessment

The product is not considered to be a vPvB.



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SECTION 3: Composition/information on ingredients

3.1 Substances

Chemical characterization

Substance name Graphite (> 99,5 %)

CAS no.	7782-42-5
EC no.	231-955-3

3.2 Mixtures

Not applicable. The product is not a mixture.

SECTION 4: First aid measures

4.1 Description of first aid measures

General information

In case of persisting adverse effects, consult a physician. Change contaminated clothing.

After inhalation

Remove affected person from the immediate area. Ensure supply of fresh air.

After skin contact

When in contact with the skin, clean with soap and water.

After eye contact

Remove contact lenses. Rinse eye thoroughly under running water keeping eyelids wide open and protecting the unaffected eye (at least 10 to 15 minutes).

After ingestion

Rinse out mouth and give plenty of water to drink. Never give anything by mouth to an unconscious person.

4.2 Most important symptoms and effects, both acute and delayed No data available.

4.3 Indication of any immediate medical attention and special treatment needed No data available.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media Foam; Carbon dioxide; Extinguishing powder; Water spray jet; Sand Unsuitable extinguishing media

High power water jet

5.2 Special hazards arising from the substance or mixture

In the event of fire, the following can be released: Carbon monoxide (CO); Carbon dioxide (CO2)

5.3 Advice for firefighters

Use self-contained breathing apparatus. Wear protective clothing.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

Refer to protective measures listed in sections 7 and 8. Avoid contact with skin, eyes and clothing. Ensure adequate ventilation. Avoid dust formation. High risk of slipping due to leakage/spillage of product.

For emergency responders

Personal protective equipment (PPE) - see section 8. In case of emergency, use of personal protective equipment [DIN EN 469, EN 12021].

6.2 Environmental precautions

Do not discharge into the drains/surface waters/groundwater.



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6.3 Methods and material for containment and cleaning up

Take up with dust-binding material or using a suitable vacuum cleaner. When collected, handle material as described under the section heading "Disposal considerations".

6.4 Reference to other sections

No data available.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Advice on safe handling

Provide good ventilation at the work area (local exhaust ventilation, if necessary). If workplace exposure limits are exceeded, respiratory protection approved for this particular job must be worn.

General protective and hygiene measures

Do not eat, drink or smoke during work time. Keep away from foodstuffs and beverages. Avoid contact with eyes and skin. Remove contaminated clothing. Wash hands before breaks and after work. Do not inhale dust. Provide eye wash fountain in work area.

Advice on protection against fire and explosion

Under certain circumstances fine dust clouds may form explosive mixtures with air. Take precautionary measures against static charges. Keep away from sources of heat and ignition. Dust should be aspirated immediately on-the-spot.

7.2 Conditions for safe storage, including any incompatibilities

Technical measures and storage conditions

Keep container tightly closed and dry.

Requirements for storage rooms and vessels

Containers which are opened must be carefully closed and kept upright to prevent leakage. Always keep in containers of same material as the original.

Incompatible products

None known

7.3 Specific end use(s)

No data available.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational exposure limit values

No	Substance name	CAS no.		EC no.
1	Dust			
	List of approved workplace exposure limits (WELs) /	EH40		
	Dust respirable			
	WEL long-term (8-hr TWA reference period)	4	mg/m³	
	Comments	see Definition	44 "Dust"	
	List of approved workplace exposure limits (WELs) /	EH40		
	Dust inhalable			
	WEL long-term (8-hr TWA reference period)	10	mg/m³	
	Comments	see Definition	44 "Dust"	

DNEL, DMEL and PNEC values

DNEL values (worker)

No	Substance name			CAS / EC no)
	Route of exposure	Exposure time	Effect	Value	
1	Graphite			7782-42-5	
				231-955-3	
	inhalative	Long term (chronic)	local	1.2	mg/m³



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DNEL value (consumer)

No	Substance name			CAS / EC no)
	Route of exposure Exposure time Effect			Value	
1	Graphite			7782-42-5	
				231-955-3	
	oral	Long term (chronic)	systemic	813	mg/kg/day
	inhalative	Long term (chronic)	local	0.3	mg/m³

Other information

The DNEL value (inhalation) is applicable for respirable fractions of graphite dust that can reach the alveolar regions of the lung.

8.2 Exposure controls

Appropriate engineering controls

No data available.

Personal protective equipment

Respiratory protection

If workplace exposure limits are exceeded, a respiration protection approved for this particular job must be worn. In case of dust formation, take appropriate measures for breathing protection in the event that workplace threshold values are not specified. Dust mask

Respirator FFP2 (EN 149)

Eye / face protection

Safety glasses with side protection shield (EN 166)

Hand protection

Sufficient protection is given wearing suitable protective gloves checked according to i.e. EN 374, in the event of risk of skin contact with the product. Before use, the protective gloves should be tested in any case for its specific workstation suitability (i.e. mechanical resistance, product compatibility and antistatic properties). Adhere to the manufacturer's instructions and information relating to the use, storage, care and replacement of protective gloves. Protective gloves shall be replaced immediately when physically damaged or worn. Design operations thus to avoid permanent use of protective gloves.

Other

Normal chemical work clothing.

Environmental exposure controls

No data available.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

State of aggregation			
liquid			
Form/Colour			
Powder			
grey to black			
Odour			
odourless			
pH value			
Not applicable			
Boiling point / boiling range			
No data available			
Melting point/freezing point			
Value	>	3000	C°
Method	OECD 102		
Decomposition temperature			
No data available			



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Flash point Not applicable			
Ignition temperature			
Value	>	500	°C
Oxidising properties			
Inorganic substance not containing o	xygen or halogen atoms.		
Explosive properties			
	cal groups associated with	explosive r	properties. The minimum ignition energy of
fine dusts is >1 J.			soportioe. The minimum ignition energy (
Flammability	according to Regulation (E	G) Nr 440)/2008 , method EC A.10 (flammability,
solids)		G) NI. 440	2000, method EC A. To (naminability,
,			
Lower explosion limit No data available			
Upper explosion limit			
No data available			
Vapour pressure			
Comments	Solid whose me	elting point	is > 3000°C.
Relative vapour density			
No data available			
Relative density			
No data available			
Density Value	appr.	2.2	g/cm ³
Method	DIN 51901	2.2	g/cm
Solubility in water Value	<	0.001	a/l
Value		0.001	g/l
Solubility			
Comments			ver considered being insoluble in water.
	contained in the		esponds to the solubility of impurities
Partition coefficient n-octanol/wate	er (log value)		
No data available			
Viscosity			
Not applicable			
Particle characteristics			
No data available			
2 Other information			
Other information No data available.			

SECTION 10: Stability and reactivity

10.1 Reactivity

No data available.

10.2 Chemical stability No data available.

10.3 Possibility of hazardous reactions No data available.



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10.4 Conditions to avoid

No data available.

Acute oral toxicity

- **10.5 Incompatible materials** Fluorine; Chlorine trifluoride
- **10.6 Hazardous decomposition products** No hazardous decomposition products known.

SECTION 11: Toxicological information

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

raphite s s tion/classification dermal toxicity a available inhalational toxicity ubstance name raphite n of exposure f aggregation s tion/classification	> Dust rat OECD 403 CSR	7782-42-5 railable data, the CAS no. 7782-42-5	2000 e classificat 2000 4	231-955-3 mg/kg bodyweigh ion criteria are not met. EC no. 231-955-3 mg/l h
tion/classification dermal toxicity a available inhalational toxicity ubstance name raphite n of exposure f aggregation s tion/classification	rat OECD 423 CSR Based on av Dust rat OECD 403 CSR	CAS no.	e classificat	ion criteria are not met. EC no. 231-955-3 mg/l
tion/classification dermal toxicity a available inhalational toxicity ubstance name raphite n of exposure f aggregation s tion/classification	OECD 423 CSR Based on av	CAS no.	2000	EC no. 231-955-3 mg/l
tion/classification dermal toxicity a available inhalational toxicity ubstance name raphite n of exposure f aggregation s tion/classification	CSR Based on av	CAS no.	2000	EC no. 231-955-3 mg/l
tion/classification dermal toxicity a available inhalational toxicity ubstance name raphite n of exposure f aggregation s tion/classification	Based on av	CAS no.	2000	EC no. 231-955-3 mg/l
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a available inhalational toxicity ubstance name raphite n of exposure f aggregation s tion/classification	Dust rat OECD 403 CSR			231-955-3 mg/l
inhalational toxicity ubstance name raphite n of exposure f aggregation s tion/classification	Dust rat OECD 403 CSR			231-955-3 mg/l
ubstance name raphite n of exposure f aggregation s tion/classification	Dust rat OECD 403 CSR			231-955-3 mg/l
raphite n of exposure f aggregation s l tion/classification	Dust rat OECD 403 CSR			231-955-3 mg/l
n of exposure f aggregation s l tion/classification	Dust rat OECD 403 CSR	7782-42-5		mg/l
f aggregation s l tion/classification	Dust rat OECD 403 CSR			. –
f aggregation s l tion/classification	rat OECD 403 CSR		4	h
s I tion/classification	rat OECD 403 CSR			
l tion/classification	OECD 403 CSR			
tion/classification	CSR			
tion/classification				
	Based on av			
		ailable data, the	e classificat	ion criteria are not met.
orrosion/irritation				
ubstance name		CAS no.		EC no.
raphite		7782-42-5		231-955-3
S	rabbit			
1	OECD 404			
lion	non-irritant			
s eye damage/irritation				
ubstance name		CAS no.		EC no.
raphite		7782-42-5		231-955-3
S	rabbit			
I	OECD 405			
	CSR			
tion	non-irritant			
atory or skin sensitisation				
ubstance name		CAS no.		EC no.
raphite		7782-42-5		231-955-3
of exposure	respiratory tr	ract		
S	mouse			
1	OECD 429			
	CSR			
		ina		
			e classificat	ion criteria are not met.
	ubstance name raphite raphite s sion seye damage/irritation ubstance name raphite s sion sion atory or skin sensitisation ubstance name raphite s raphite of exposure s	Jubstance name raphite raphite rabit OECD 404 CSR identified identified seye damage/irritation Jubstance name raphite respiratory tree respiratory tree respiratory tree raphite respiratory tree respiratory tree	Jubstance name CAS no. raphite 7782-42-5 s rabbit OECD 404 CSR CSR non-irritant s eye damage/irritation CAS no. Jubstance name CAS no. raphite 7782-42-5 s rabbit OECD 404 CSR Jubstance name CAS no. raphite 7782-42-5 s rabbit OECD 405 CSR cSR non-irritant atory or skin sensitisation OECD 405 ubstance name CAS no. raphite 7782-42-5 of exposure respiratory tract s mouse OECD 429 CSR cion non-sensitizing ion/classification Based on available data, the of exposure Skin	Jubstance name CAS no. raphite 7782-42-5 s rabbit OECD 404 CSR cion non-irritant s eye damage/irritation CAS no. ubstance name CAS no. raphite 7782-42-5 s rabbit OECD 405 CSR raphite 7782-42-5 s rabbit OECD 405 CSR cion non-irritant atory or skin sensitisation Ubstance name ubstance name CAS no. raphite 7782-42-5 of exposure respiratory tract s mouse OECD 429 CSR cion non-sensitizing ition/classification Based on available data, the classificat of exposure Skin



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Method	OECD 429	
Source	CSR	
Evaluation	non-sensitizing	
Evaluation/classification	Based on available data, the classific	cation criteria are not met
		cation chiena are not met.
Germ cell mutagenicity		
No Substance name	CAS no.	EC no.
1 Graphite	7782-42-5	231-955-3
Type of examination	Bacterial Reverse Mutation Test	
Method	OECD 471	
Source	CSR	
Evaluation/classification	Based on available data, the classified	
Type of examination	Mammalian cell gene mutation assa	у
Method	OECD 476	
Source	CSR	
Evaluation/classification	Based on available data, the classified	
Type of examination	Mammalian chromosome aberration	test
Method	OECD 473	
Source	CSR	
Evaluation/classification	Based on available data, the classifi	cation criteria are not met.
Reproduction toxicity		
No Substance name	CAS no.	EC no.
1 Graphite	7782-42-5	231-955-3
Method	OECD 422	
Source	CSR	
Evaluation/classification	Based on available data, the classifi	cation criteria are not met.
Carcinogenicity		
Carcinogenicity No Substance name	CAS no.	EC no.
No Substance name	CAS no. 7782-42-5	EC no. 231-955-3
No Substance name	7782-42-5	
No Substance name 1 Graphite		
No Substance name 1 Graphite Method Image: Comparison of the second secon	7782-42-5 Waiving	231-955-3
No Substance name 1 Graphite Method Source Evaluation/classification	7782-42-5 Waiving CSR	231-955-3
No Substance name 1 Graphite Method Source Evaluation/classification STOT - single exposure	7782-42-5 Waiving CSR	231-955-3
No Substance name 1 Graphite Method Source Evaluation/classification	7782-42-5 Waiving CSR	231-955-3
No Substance name 1 Graphite Method Source Evaluation/classification STOT - single exposure	7782-42-5 Waiving CSR	231-955-3
No Substance name 1 Graphite Method Source Source Evaluation/classification STOT - single exposure No data available STOT - repeated exposure No No Substance name	7782-42-5 Waiving CSR Based on available data, the classifi CAS no.	231-955-3 cation criteria are not met. EC no.
No Substance name 1 Graphite Method Source Evaluation/classification STOT - single exposure No data available STOT - repeated exposure STOT - repeated exposure No Substance name 1 Graphite Stote	7782-42-5 Waiving CSR Based on available data, the classifi	231-955-3 cation criteria are not met.
No Substance name 1 Graphite Method Source Source Evaluation/classification STOT - single exposure No data available STOT - repeated exposure No No Substance name 1 Graphite Route of exposure	7782-42-5 Waiving CSR Based on available data, the classifie CAS no. 7782-42-5 oral	231-955-3 cation criteria are not met. EC no. 231-955-3
No Substance name 1 Graphite Method Source Source Evaluation/classification STOT - single exposure No data available STOT - repeated exposure No No Substance name 1 Graphite Route of exposure NOAEL	7782-42-5 Waiving CSR Based on available data, the classifie CAS no. 7782-42-5 oral 813	231-955-3 cation criteria are not met. EC no.
No Substance name 1 Graphite Method Source Evaluation/classification Evaluation/classification STOT - single exposure No data available STOT - repeated exposure No No Substance name 1 Graphite Route of exposure NOAEL Species Species	7782-42-5 Waiving CSR Based on available data, the classifie CAS no. 7782-42-5 oral 813 rat	231-955-3 cation criteria are not met. EC no. 231-955-3
No Substance name 1 Graphite Method Source Evaluation/classification Evaluation/classification STOT - single exposure No data available STOT - repeated exposure No No Substance name 1 Graphite Route of exposure NOAEL Species Method	7782-42-5 Waiving CSR Based on available data, the classifie CAS no. 7782-42-5 oral 813 rat OECD 422	231-955-3 cation criteria are not met. EC no. 231-955-3
No Substance name 1 Graphite Method Source Evaluation/classification STOT - single exposure No data available STOT - repeated exposure No Substance name 1 Graphite Route of exposure NOAEL Species Method Source Source	7782-42-5 Waiving CSR Based on available data, the classifie CAS no. 7782-42-5 oral 813 rat OECD 422 CSR	231-955-3 cation criteria are not met. EC no. 231-955-3 mg/kg
No Substance name 1 Graphite Method Source Evaluation/classification Evaluation/classification STOT - single exposure No data available STOT - repeated exposure No No Substance name 1 Graphite Route of exposure NOAEL Species Method Source Evaluation/classification	7782-42-5 Waiving CSR Based on available data, the classifie CAS no. 7782-42-5 oral 813 rat OECD 422 CSR Based on available data, the classifie	231-955-3 cation criteria are not met. EC no. 231-955-3 mg/kg
No Substance name 1 Graphite Method Source Evaluation/classification Evaluation/classification STOT - single exposure No data available STOT - repeated exposure No No Substance name 1 Graphite Route of exposure NOAEL Species Method Source Evaluation/classification Route of exposure NOAEL	7782-42-5 Waiving CSR Based on available data, the classifie CAS no. 7782-42-5 oral 813 rat OECD 422 CSR Based on available data, the classifie inhalational	231-955-3 cation criteria are not met. EC no. 231-955-3 mg/kg cation criteria are not met.
No Substance name 1 Graphite Method Source Evaluation/classification Evaluation/classification STOT - single exposure No data available STOT - repeated exposure No No Substance name 1 Graphite Route of exposure NOAEL Species Method Source Evaluation/classification Route of exposure NOAEL Species Method Source Evaluation/classification Route of exposure NOAEL	7782-42-5 Waiving CSR Based on available data, the classifie CAS no. 7782-42-5 oral 813 rat OECD 422 CSR Based on available data, the classifie inhalational 12	231-955-3 cation criteria are not met. EC no. 231-955-3 mg/kg
No Substance name 1 Graphite Method Source Evaluation/classification Evaluation/classification STOT - single exposure No data available STOT - repeated exposure No No Substance name 1 Graphite Route of exposure NOAEL Species Method Source Evaluation/classification Route of exposure NOAEL Species Method Source Evaluation/classification Route of exposure NOAEC Species Species	7782-42-5 Waiving CSR Based on available data, the classifie CAS no. 7782-42-5 oral 813 rat OCAS no. 7782-42-5 oral 813 rat Image: space data and space da	231-955-3 cation criteria are not met. EC no. 231-955-3 mg/kg cation criteria are not met.
No Substance name 1 Graphite Method Source Evaluation/classification Evaluation/classification STOT - single exposure No data available STOT - repeated exposure No No Substance name 1 Graphite Route of exposure NOAEL Species Method Source Evaluation/classification Route of exposure NOAEL Species Method MOAEC Species Method Surce	7782-42-5 Waiving CSR Based on available data, the classifie CAS no. 7782-42-5 oral 813 rat OECD 422 CSR Based on available data, the classifie inhalational 12 rat OECD 412	231-955-3 cation criteria are not met. EC no. 231-955-3 mg/kg cation criteria are not met.
No Substance name 1 Graphite Method Source Evaluation/classification Evaluation/classification STOT - single exposure No data available STOT - repeated exposure No No Substance name 1 Graphite Route of exposure NOAEL Species Method Source Evaluation/classification Route of exposure NOAEL Species Method Source Evaluation/classification Route of exposure NOAEC Species Species	7782-42-5 Waiving CSR Based on available data, the classifie CAS no. 7782-42-5 oral 813 rat OCAS no. 7782-42-5 oral 813 rat Image: space data and space da	231-955-3 cation criteria are not met. EC no. 231-955-3 mg/kg cation criteria are not met. mg/m³

No data available

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Contact with the skin and eyes may cause mechanical irritation. Inhalation of dusts may irritate the respiratory tract.

11.2 Information on other hazards

Endocrine disrupting properties No data available.



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Other information

No data available.

SECTION 12: Ecological information

12.1 Toxicity

Toxicity to fish (acute)			
No Substance name	CAS no.		EC no.
1 Graphite	7782-42-5		231-955-3
LC50	>	100	mg/l
Duration of exposure		96	h
Species	Danio rerio		
Method	OECD 203		
Source	CSR		
Evaluation/classification	Based on available data, the	classificatio	n criteria are not met.
Toxicity to fish (chronic)			
No data available			
Toxicity to Daphnia (acute)			
No Substance name	CAS no.		EC no.
1 Graphite	7782-42-5		231-955-3
EC50	>	100	mg/l
Duration of exposure		48	h
Species	Daphnia magna		
Method	OECD 202		
Source	CSR		
Evaluation/classification	Based on available data, the	classificatio	n criteria are not met.
Toxicity to Daphnia (chronic)			
No data available			
Toxicity to algae (acute)			
No Substance name	CAS no.		EC no.
1 Graphite	7782-42-5		231-955-3
EC50	>	100	mg/l
Duration of exposure		72	h
Species	Pseudokirchneriella subcapi	tata	
Method	OECD 201		
Source Evaluation/classification	CSR Record on available data, the	aloggificatio	n oritoria ara nat mat
	Based on available data, the		n ontena are not met.
Toxicity to algae (chronic)			
No data available			
Bacteria toxicity			
No data available			

12.2 Persistence and degradability No data available.

12.3 Bioaccumulative potential No data available.

12.4 Mobility in soil

No data available.

12.5 Results of PBT and vPvB assessment

Results of PBT and vPvB assessment	
PBT assessment	The product is not considered to be a PBT.
vPvB assessment	The product is not considered to be a vPvB.

12.6 Endocrine disrupting properties

No data available.



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12.7 Other adverse effects

No data available.

12.8 Other information

Other information

Do not discharge product unmonitored into the environment.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product

Disposal of the product should be carried out in accordance with all applicable regulations following consultation with the responsible local authority and the disposal company in an authorised and suitable disposal facility. Allocation of a waste code number, according to the European Waste Catalogue, should be carried out in agreement with the regional waste disposal company.

Packaging

Residues must be removed from packaging and when emptied completely disposed of in accordance with the regulations for waste removal. Incompletely emptied packaging must be disposed of in the form of disposal specified by the regional disposer.

SECTION 14: Transport information

14.1 Transport ADR/RID/ADN

The product is not subject to ADR/RID/ADN regulations.

14.2 Transport IMDG

The product is not subject to IMDG regulations.

14.3 Transport ICAO-TI / IATA

The product is not subject to ICAO-TI / IATA regulations.

14.4 Other information

The product is NOT highly flammable according to Regulation (EG) Nr. 440/2008 , method EC A.10 (flammability, solids)

14.5 Environmental hazards

Information on environmental hazards, if relevant, please see 14.1 - 14.3.

14.6 Special precautions for user

No data available.

14.7 Maritime transport in bulk according to IMO instruments Not relevant

SECTION 15: Regulatory information

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

Regulation (EC) No 1907/2006 (REACH) Annex XIV (List of substances subject to authorisation) In accordance with the REACH regulation (EC) 1907/2006, the product does not contain any substances that are considered as subject to listing in annex XIV, inventory of substances requiring authorisation.

REACH candidate list of substances of very high concern (SVHC) for authorisation

In accordance with article 57 and article 59 of the Reach regulation (EC) 1907/2006, this substance is not considered as subject to listing in annex XIV, inventory of substances requiring authorisation ("Authorization list").

Regulation (EC) No 1907/2006 (REACH) Annex XVII: RESTRICTIONS ON THE MANUFACTURE, PLACING ON THE MARKET AND USE OF CERTAIN DANGEROUS SUBSTANCES, MIXTURES AND ARTICLES

The substance is not subject to the provisions of annex XVII (restriction entries) of the Reach regulation (EC) 1907/2006.

Directive 2012/18/EU on the control of major-accident hazards involving dangerous substances



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This substance is not subject to Part 1 or 2 of Annex I

National regulations

National chemical inventories INECO/ELINCO /E

EINECS/ELINCS (European	listed	
Community)		
USA (TSCA)	listed	
DSL/NDSL (Canada)	DSL listed	
ENCS (Japan)	Exempted from listing	
ECL (Korea)	listed	KE-18101
AICS (Australia)	listed	
IECSC / NEPA (China)	listed	
PICCS (Philippines)	listed	
NZIoC (New Zealand)	New Zealand: not subject to the provisions of t	he HSNO Act.
CSNN (Taiwan)	listed	

15.2 Chemical safety assessment

A chemical safety assessment has been carried out for this substance.

SECTION 16: Other information

Sources of key data used to compile the data sheet:

Regulation (EC) No 1907/2006 (REACH), 1272/2008 (CLP) as amended in each case.

Directives 2000/39/EC, 2006/15/EC, 2009/161/EU, (EU) 2017/164.

National Threshold Limit Values of the corresponding countries as amended in each case.

Transport regulations according to ADR, RID, IMDG, IATA as amended in each case.

The data sources used to determine physical, toxic and ecotoxic data, are indicated directly in the corresponding section.

Creation of the safety data sheet

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This information is based on our present knowledge and experience.

The safety data sheet describes products with a view to safety requirements.

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