

Version
6.0 SDB_ITReview date:
02.08.2022Date of previous edition: 16.07.2021
Date of first edition: 27.12.2012**SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1 Product Identifier**

Commercial name : WHITE MICROSPHERES
UFI : CT40-902G-C00R-QR4F

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

Type of application (use) : Charge/Filler
Usage Restrictions : For industrial use only.
recommended

1.3 Details of the supplier of the safety data sheet Society

: CECCHI GUSTAVO & C.Ltd
Via M. Coppino 253, 55049 Viareggio (LU)
Italy

Telephone : +39 0584 383694

Person's email address :info@cecchi.it SDS
manager

1.4 Emergency telephone number

+ 44 1235 239670 (All languages)

CAVp "Hosp. Pediatric Bambino Gesù" Rome Piazza Sant'Onofrio, 4 00165 Tel.06-68593726
Az. Osp. Univ. Foggia Foggia V.le Luigi Pinto, 1 71122 Tel.0881-732326
Hospital "A. Cardarelli" Naples Via A. Cardarelli, 9 80131 Tel.081-7472870 CAV Policlinico
"Umberto I" Rome Viale del Policlinico, 155 00161 Tel.06-49978000 CAV Policlinico "A.
Gemelli" Rome Largo Agostino Gemelli, 8 00168 Tel.06-3054343
Hospital "Careggi" Medical Toxicology Unit Florence Largo Brambilla, 3 50134 Tel.055-7947819
CAV National Center for Toxicological Information Pavia Via Salvatore Maugeri, 10 27100
Tel.0382-24444
hosp. Niguarda Ca' Granda Milan Piazza Ospedale Maggiore,3 20162 Tel.02-66101029 Papa
Giovanni XXII Hospital Bergamo Piazza OMS, 1 24127 Tel.800883300 Integrated University
Hospital (AOUI) of Verona Borgo Trento branch, Verona Tel. 800011858

SECTION 2: hazard identification**2.1 Classification of the substance or mixture****Classification (REGULATION (EC) N. 1272/2008)**

Long-term (chronic) hazard to the
aquatic environment, Category 2

H411: Toxic to aquatic life with long lasting
effects.

Version
6.0 SDB_IT

Review date:
02.08.2022

Date of previous edition: 16.07.2021
Date of first edition: 27.12.2012

2.2 Elements of the label

Labeling (REGULATION (EC) N. 1272/2008) Hazard

pictograms

:



Warning notices

: H411 Toxic to aquatic life with long lasting effects.

Cautionary advice

:

Prevention:

P273 Avoid release to the environment.

Reaction:

P391 Collect spillage.

Elimination:

P501 Dispose of contents/ container to an approved waste disposal plant.

2.3 Other dangers

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at concentrations of 0.1% or higher.

Ecological information: The substance/mixture does not contain any components considered to have endocrine disrupting properties within the meaning of Article 57(f) of REACH or Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

Toxicological information: The substance/mixture does not contain any components considered to have endocrine disrupting properties within the meaning of Article 57(f) of REACH or Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Chemical nature

: Mineral charge

Components

Chemical Name	CAS No EC no INDEX NO Number of registration	Classification	concentration and (%w/w)
bis(isopropyl)naphthalene	38640-62-9 254-052-6 01-2119565150-48	Asp. Tox. 1; H304 Aquatic Chronic 1; H410	> = 20 - < 25

Version
6.0 SDB_ITReview date:
02.08.2022Date of previous edition: 16.07.2021
Date of first edition: 27.12.2012

		M-Factor (Toxicity chronic for the aquatic environment): 1	
Substances with an occupational exposure limit :			
silicon oxide	7631-86-9 231-545-4 01-2119379499-16		> = 1 - < 3

For explanations of abbreviations see paragraph 16.

SECTION 4: first aid measures**4.1 Description of first aid measures** General

information	: Keep warm in a quiet room. Show this safety data sheet to the attending physician. Take off all contaminated clothing immediately.
If inhaled	: Take to fresh air. Put the person concerned in a resting position and keep him warm. If unconscious, place on side in stable position and consult a doctor. If symptoms persist, consult a doctor.
In case of skin contact	: Wash immediately with soap and plenty of water. Do not use solvents or thinners. If it gets on clothing, remove clothing. If skin irritation persists, call a doctor.
In case of contact with eyes	: Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. If eye irritation persists, consult a physician. If this is easy, remove contact lenses, if they are worn.
If ingested	: Keep at rest. Do not induce vomiting without medical advice. Keep the respiratory tract clean. If symptoms persist, consult a doctor.

4.2 Most important symptoms and effects, both acute and delayed

Symptoms : irritant effects

4.3 Indication of any immediate medical attention and special treatment needed

Treatment : First Aid procedure should be agreed consulting the competent occupational physician.

Version
6.0 SDB_ITReview date:
02.08.2022Date of previous edition: 16.07.2021
Date of first edition: 27.12.2012

SECTION 5: Firefighting measures**5.1 Extinguishing media** Suitable

extinguishing media : Waterfall
Carbon dioxide (CO₂)
Foam
Dry powder

Unsuitable extinguishing media : Not known.

5.2 Special hazards arising from the substance or mixture

Specific dangers vs the fire : Burning produces irritating fumes.

5.3 Advice for firefighters

Protection devices special for firefighters : In the event of fire, wear self-contained breathing apparatus. Use personal protective equipment.

Further information : In case of fire and/or explosion do not breathe fumes. Use extinguishing systems compatible with the local situation and the surrounding environment.
Immediately evacuate personnel to safe areas. Prevent water from fire extinguishers from contaminating surface water or groundwater.
Dispose of the contaminated water used for extinguishing and the residue of the fire according to the regulations in force.

SECTION 6: Accidental release measures**6.1 Personal precautions, protective equipment and emergency procedures** Individual precautions

: Refer to protective measures listed in sections 7 and 8.
Evacuate personnel to safe areas.
Use personal protective equipment.
Provide adequate ventilation.
Inform the responsible authorities in the event of a gas leak, or if it enters pipes, soil or sewers.

6.2 Environmental precautions

Environmental precautions : Do not allow uncontrolled dumping of the product in the environment.
Prevent the material from entering drains or waterways.

Local authorities must be notified if leaks cannot be contained.

6.3 Methods and materials for containment and cleaning up

Methods of reclamation : Dry with inert material (e.g. sand, silica gel, acid binder, universal binder, sawdust).



Version
6.0 SDB_IT

Review date:
02.08.2022

Date of previous edition: 16.07.2021
Date of first edition: 27.12.2012

Contain and collect spillage with non-combustible absorbent material (such as sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local or national regulations (see section 13).

Collect and transfer to a properly labeled container.

6.4 Reference to other sections

See Section 8 for personal protective equipment.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Instructions for use: safe	Ensure sufficient air exchange and/or exhaust in workplaces. Avoid inhalation, ingestion and contact with skin and eyes. Wear protective clothing.
Advice on protection against fire and : explosions	Keep away from open flames, hot surfaces and sources of ignition.
Hygiene measures	: Do not breathe dust or spray. Provide adequate ventilation. Wash hands and face before breaks and immediately after handling the product.

7.2 Conditions for safe storage, including any incompatibilities

Warehouse and container requirements: containers	Keep containers tightly closed in a cool, well-ventilated place. Keep in properly labeled containers. To preserve the quality of the product, do not store near a heat source and do not expose to direct light.
Directions for the storage together with other products	: Keep the product and empty containers away from heat and ignition sources. Keep away from food and drink.
Learn more about storage stability	: Stable under normal environmental conditions of temperature and pressure.

7.3 Particular End Uses

Particular uses	: Consult the technical instructions for use of this substance/mixture.
-----------------	---

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational exposure limits

Components	CAS No	Value type (Kind of	Control parameters	Basic
------------	--------	------------------------	--------------------	-------

Version
6.0 SDB_ITReview date:
02.08.2022Date of previous edition: 16.07.2021
Date of first edition: 27.12.2012

		exposure)		
silicon oxide	7631-86-9	TWA (Powder breathable)	0.1mg/m3	2004/37/EC
Further information: Carcinogens or mutagens				
Does not contain substances with occupational exposure limit values.				
silicon oxide	7631-86-9	TWA (Powder breathable)	0.1mg/m3	2004/37/EC
Further information: Carcinogens or mutagens				

Derived No Effect Level (DNEL) according to Regulation (EC) No. 1907/2006:

Name of the substance	Final use	Street of exposure	Potentials consequences on Health	Value
bis(isopropyl)naphthalene	Consumers	Ingestion	Systemic effects a long term	2.1mg/kg
	Consumers	Contact with skin	Systemic effects a long term	2.1mg/kg
	Workers	Contact with skin	Systemic effects a long term	4.3mg/kg
	Consumers	Inhalation	Systemic effects a long term	7.4 mg/m3
	Workers	Inhalation	Systemic effects a long term	30mg/m3
silicon oxide	Workers	Inhalation	Systemic effects a long term	4mg/m3

Predicted No Effect Concentration (PNEC) according to Regulation (EC) No. 1907/2006:

Substance name	Environmental compartment	Value
bis(isopropyl)naphthalene	Sewage treatment plant	0.15 mg/l
	Fresh water	0.00026 mg/l
	Sea water	0.000026 mg/l
	Fresh water sediment	0.94mg/kg
	Marine sediment	0.094mg/kg
	Soil	0.19mg/kg

8.2 Exposure controls**Appropriate engineering controls**

Effective exhaust ventilation system effective
ventilation in all process areas

Individual protection

Eye protection : Do not wear contact lenses.
Safety goggles with side protection in compliance with
EN166 standard
Make sure that eyewash stations and emergency showers
are close to the workstation.

Hand protection

Material : Protective gloves according to EN 374.

Skin and body protection : Protection suit

Respiratory protection : Respiratory system only in case of aerosol formation or

Version
6.0 SDB_ITReview date:
02.08.2022Date of previous edition: 16.07.2021
Date of first edition: 27.12.2012

dust.

Use respiratory protection, unless adequate local exhaust ventilation is provided or exposure assessment demonstrates exposure meets recommended guidelines.

Suitable respiratory equipment:

Mouth-nose mask equipped with P2 microporous filter (European Standard 143)

Protection arrangements : Avoid contact with skin. Wear suitable protective clothing.

SECTION 9: physical and chemical properties**9.1 Information on basic physical and chemical properties**

physical state	: dust
Color	: white
Odor	: odorless
Olfactory threshold	: not determined
	: Not applicable
Boiling point/range	: Not applicable
Upper explosion limit : Not applicable / Upper limit of flammability	
Lower explosion limit / : Not applicable Lower limit of flammability	
Flash point	: not determined
Ignition temperature	: Not applicable
Temperature of self-ignition	: Not applicable
Temperature of decomposition	: No data available
pH	: not determined
Viscosity	
Viscosity, dynamics	: Not applicable
Viscosity, kinematics	: not determined

Version
6.0 SDB_ITReview date:
02.08.2022Date of previous edition: 16.07.2021
Date of first edition: 27.12.2012**Solubility/solubilities.**

Water solubility : not determined

Solubility in other solvents : not determined

Partition coefficient: n- : No data available octanol/water

Vapor pressure : Not applicable

Density : 0.13 g/cm³ (25 °C)

Apparent density : not determined

Relative vapor density : not determined

Particle characteristics
particle size : not determined

Particle size : not determined

9.2 Other Information

Explosives : Not applicable

Oxidizing properties : Not applicable

Self-ignition : Not applicable

Evaporation rate : not determined

Surface tension : not determined

Sublimation point : not determined

SECTION 10: stability and reactivity**10.1 Reactivity**

Stable under recommended storage conditions.

10.2 Chemical stability

No decomposition if stored and applied as directed.

10.3 Possibility of hazardous reactions

dangerous reactions : No dangerous reactions known under normal conditions of use.

10.4 Conditions to avoid

Conditions to avoid : No decomposition if used according to the specific instructions.

10.5 Incompatible materials

Version
6.0 SDB_ITReview date:
02.08.2022Date of previous edition: 16.07.2021
Date of first edition: 27.12.2012

Materials to avoid : No data available

10.6 Hazardous decomposition products

Stable under normal conditions.

SECTION 11: toxicological information**11.1 Information on the hazard classes defined in Regulation (EC) No. 1272/2008****Acute toxicity****Product:**

Acute oral toxicity : Remarks: No data available

Acute toxicity for inhalation : Remarks: No data available

Acute dermal toxicity : Remarks: No data available

Acute toxicity (by other routes of administration) : Remarks: No data available

Components:**bis(isopropyl)naphthalene:**Acute toxicity for inhalation : LC50 (Rat, male and female): > 5.64 mg/l
Exposure time: 4 h
Test atmosphere: dust/fog
Method: OECD Test Guideline 403 GLP: yesAcute dermal toxicity : LD50 (Rat, male and female): > 4,000 mg/kg
Method: OECD Test Guideline 402 GLP: yes**silicon oxide:**Acute oral toxicity : LD50 (Rat): > 5,000 mg/kg
Method: OECD Test Guideline 401Acute toxicity for inhalation : LC50 (Rat, male and female): 58.8 mg/l
Exposure time: 4 h
Test atmosphere: dust/fog
Method: OECD Test Guideline 403 GLP: yes**Skin corrosion/irritation****Product:**

Remarks : No data available

Version
6.0 SDB_ITReview date:
02.08.2022Date of previous edition: 16.07.2021
Date of first edition: 27.12.2012**Components:****bis(isopropyl)naphthalene:**

Species	:	On rabbit
Method	:	OECD Test Guideline 404 No skin
Result	:	irritation
BPL	:	Yes

Serious eye damage/irritation**Product:**

Remarks : No data available

Components:**bis(isopropyl)naphthalene:**

Species	:	On rabbit
Method	:	OECD Test Guideline 405 No eye
Result	:	irritation
BPL	:	Yes

Respiratory or skin sensitisation**Product:**

Remarks : No data available

Components:**bis(isopropyl)naphthalene:**

Test type	:	Maximization test
Route of exposure	:	Dermal
Species	:	Guinea pig
Method	:	OECD Test Guideline 406 Does not cause
Result	:	skin sensitization. Yes
BPL	:	

Carcinogenicity**Product:**

Remarks : No data available

Reproductive toxicity**Product:**

Effects on fertility : Remarks: No data available

Effects on fetal development : Remarks: No data available

Specific target organ toxicity (STOT) - single exposure**Product:**

Remarks : No data available

Version
6.0 SDB_ITReview date:
02.08.2022Date of previous edition: 16.07.2021
Date of first edition: 27.12.2012**Specific target organ toxicity (STOT) - repeated exposure****Product:**

Remarks : No data available

Repeated dose toxicity**Product:**

Remarks : No data available

11.2 Information on other hazards**Endocrine disrupting properties****Product:**

Assessment : The substance/mixture contains no considered components having endocrine disrupting properties within the meaning of Article 57(f) of REACH or Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

Further information**Product:**

Remarks : No data available

SECTION 12: ecological information**12.1 Toxicity****Product:**

Toxicity to fish : Remarks: No data available

Toxicity to daphnia and other aquatic invertebrates : Remarks: No data available

Components:**bis(isopropyl)naphthalene:**Toxicity to fish : LC50 (Leuciscus idus (Golden Leuciscus)): > 0.5 mg/l
Exposure time: 96 h
Type of test: Semi-static test
Method: Directive 67/548/EEC, Annex V, C.1. BPL: yesToxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): 1.7 mg/l Exposure time: 48 h
Type of test: Semi-static test
Method: OECD Test Guideline 202 GLP: yes

Daphnia toxicity e : NOEC: 0.013 mg/l

Version
6.0 SDB_ITReview date:
02.08.2022Date of previous edition: 16.07.2021
Date of first edition: 27.12.2012for other aquatic invertebrates
(Chronic toxicity)Exposure time: 21 d
Species: Daphnia magna (Water flea) Test type:
semi-static testM-Factor (Chronic aquatic
toxicity) : 1**12.2 Persistence and degradability****Product:**

Biodegradability : Remarks: No data available

Physico-chemical elimination : Remarks: No data available

Components:**bis(isopropyl)naphthalene:**Biodegradability : Test type: aerobic
Result: Not readily biodegradable. Method:
OECD Test Guideline 310 GLP: yes**12.3 Bioaccumulative potential****Product:**

Bioaccumulation : Remarks: No data available

Components:**bis(isopropyl)naphthalene:**Bioaccumulation : Species: Cyprinus carpio (Carp)
Bioconcentration factor (BCF): > 500 Method:
OECD Test Guideline 305 GLP: yes**12.4 Mobility in soil** No data
available**12.5 Results of PBT and vPvB assessment****Product:**Assessment : This substance/mixture contains no components
considered either persistent, bioaccumulative and toxic (PBT),
or very persistent and very bioaccumulative (vPvB) at
concentrations of 0.1% or higher.**12.6 Endocrine-disrupting properties****Product:**Assessment : The substance/mixture contains no considered components
having endocrine disrupting properties within the meaning of
Article 57(f) of REACH or Commission Delegated Regulation (EU)
2017/2100 or Commission Regulation (EU) 2018/605

Version
6.0 SDB_ITReview date:
02.08.2022Date of previous edition: 16.07.2021
Date of first edition: 27.12.2012

Commission at levels of 0.1% or higher.

12.7 Other adverse effects**Product:**Additional ecological
information: An environmental hazard cannot be excluded in the
event of unprofessional handling or disposal.**SECTION 13: Disposal considerations****13.1 Waste treatment methods**

Product	: In accordance with local and national regulations. Dangerous container when empty. Do not dispose of as household waste. Do not mix waste from different sources during collection.
Contaminated containers	: Empty containers must be entrusted to authorized local companies for recycling and disposal.

SECTION 14: transport information**14.1 UN number or ID number**

ADR/RID/ADN	: UN 3077
IMDG extension	: UN 3077
IATA	: UN 3077

14.2 UN proper shipping name

ADR/RID/ADN	: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, NOS, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, NOS (bis(isopropyl)naphthalene ISOMERS)
IMDG extension	: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, NOS (Bis(isopropyl)naphthalene isomers)
IATA	: Environmentally hazardous substance, solid, nos (Bis(isopropyl)naphthalene isomers)

14.3 Transport hazard classes

ADR/RID/ADN	: 9
IMDG extension	: 9
IATA	: 9

14.4 Packing group

ADR/RID/ADN Packing group	: III
------------------------------	-------



Version	Review date:	Date of previous edition: 16.07.2021
6.0 SDB_IT	02.08.2022	Date of first edition: 27.12.2012

Classification code	: M7
Hazard identification number	: 90
Labels	: 9
Tunnel restriction code	: -

Remarks	: ADR: These substances, when carried in single or combined packagings containing a net quantity per single or inner packing less than or equal to 5 liters for liquids or having a net mass per single or inner packing less than or equal to 5 kg for solids , are not subject to any other provision of ADR provided that the packagings meet the general provisions of 4.1.1.1, 4.1.1.2 and 4.1.1.4 to 4.1.1.8.
---------	---

IMDG extension

Packing group	: III
Labels	: 9
EmS Code	: FA, SF
Remarks	: IMDG Code segregation group - none IMDG: Marine pollutants packed in individual or combination packagings containing an individual or inner packaging net quantity of 5 liters or less for liquids or with an individual or inner packaging net mass of 5 kg or less for solids are not subject to all other provisions of this Code relating to marine pollutants provided that the packaging meets the general provisions of 4.1.1.1, 4.1.1.2 and 4.1.1.4 to 4.1.1.8. In the case of marine pollutants that also meet the criteria for inclusion in another hazard class, all provisions of this code relating to additional hazards continue to apply.

IATA (Cargo)

Packing Instructions (Cargo Aircraft)	: 956
Packing group	: III
Labels	: miscellaneous
Remarks	: IATA: These substances, when carried in single or combination packagings containing a net quantity per single or inner packaging of less than or equal to 5 liters for liquids or having a net mass of 5 kg or less for solids, are not subject to other provisions of this Regulation provided that the packagings meet the general provisions of 5.0.2.4.1, 5.0.2.6.1.1 and 5.0.2.8.

IATA (Passenger)

Packing Instructions (Passenger Aircraft)	: 956
Packing instruction (LQ)	: Y956
Packing group	: III
Labels	: miscellaneous

Version
6.0 SDB_ITReview date:
02.08.2022Date of previous edition: 16.07.2021
Date of first edition: 27.12.2012**14.5 Environmental hazards****ADR/RID/ADN**

Dangerous for the environment : Yes

IMDG extension

Marine pollutant : Yes

IATA (Cargo)

Dangerous for the environment : Yes

14.6 Special precautions for users Remarks

: The transport of dangerous goods, including loading and unloading, must be carried out by persons who have received the necessary training required by the modal regulations.

The transport classification(s) provided herein are for informational purposes only and based solely on the properties of the unpackaged material as described in this MSDS. Shipping classifications may vary based on mode of transportation, package sizes, and changes in regional or country regulations.

14.7 Shipping in bulk in accordance with IMO acts Not applicable to the product in its supplied form.**SECTION 15: Regulatory information****15.1 Safety, health and environmental laws and regulations specific to the substance or mixture**

REACH - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles (Annex XVII) : Not applicable

REACH - Candidate List of Substances of Very High Concern for Authorization (Article 59). : Not applicable

Regulation (EC) no. 1005/2009 on substances that deplete the ozone layer : Not applicable

Regulation (EU) 2019/1021 on persistent organic pollutants (recast) : Not applicable

Regulation (EC) no. 649/2012 of the European Parliament and of the Council on the export and import of dangerous chemicals : Not applicable

REACH - List of substances subject to authorization (Annex XIV) : Not applicable

REGULATION (EU) 2019/1148 on the placing on the market and use of explosives precursors

: Not applicable

Version
6.0 SDB_ITReview date:
02.08.2022Date of previous edition: 16.07.2021
Date of first edition: 27.12.2012

International Chemical Weapons Convention (CWC), : Not applicable list of chemical precursors and toxic products

Regulation (EC) no. 111/2005 of the Council containing rules for the control of trade in drug precursors between the Community and third countries : Not applicable

Seveso III: Directive 2012/18/EU of the European Parliament and of the Council on the control of major-accident hazards involving dangerous substances. E2 DANGERS FOR THE ENVIRONMENT

Other legislations : Referring to the product composition, we intentionally do not add any of the substances listed in the European Directive 2011/65/EU (RoHS 2, RoHS3 and China RoHS).

Consequently, the product is in line with these directives. We do not intentionally add conflict minerals to the product.

15.2 Chemical safety assessment Not applicable

SECTION 16: other information

Full text of the H-Statements

H304 : May be fatal if swallowed and enters airways.
H410 : Very toxic to aquatic life with long lasting effects.

Full text of other abbreviations

Aquatic Chronic : Long-term (chronic) aquatic hazard. Aspiration hazard
Asp. Tox. :
2004/37/EC : Directive 2004/37/EC on the protection of workers from the risks related to exposure to carcinogens or mutagens at work
2004/37/EC / TWA : moyenne pondérée dans le temps

ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways; ADR - Agreement concerning the international carriage of dangerous goods by road; AIIC - Australian Inventory of Industrial Chemicals; ASTM - American Society for Testing of Materials; bw - Body weight; CLP - Classification, Labeling and Packaging Regulation; Regulation (EC) No. 1272/2008; CMR - Carcinogenic, mutagenic or toxic to reproduction; DIN - Standard of the German Institute for Standardization; DSL - Domestic List of Substances (Canada); ECHA - European Chemicals Agency; EC-Number - European Community Number; ECx - Concentration associated with x% response; ELx - Load rate associated with x% response; EmS - Emergency Program; ENCS - Existing and New Chemicals (Japan); ErCx - Concentration associated with x% growth rate response; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships Engaged in the Carriage of GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships Engaged in the Carriage of GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships Engaged in the Carriage of

Version
6.0 SDB_ITReview date:
02.08.2022Date of previous edition: 16.07.2021
Date of first edition: 27.12.2012

bulk of dangerous chemicals; IC50 - Half of the maximum inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemicals China; IMDG - International Maritime Transport of Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organization for Standardization; KECI - Korea Inventory of Existing Chemicals; LC50 - 50% lethal concentration for a test population; LD50 - 50% lethal dose for a test population (median lethal dose); MARPOL - International Convention for the Prevention of Pollution from Ships; our - not otherwise specified; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observed Effect Load Rate; NZIoC - New Zealand Chemicals Inventory; OECD - Organization for Economic Co-operation and Development; OPPTS - Bureau of Chemical Safety and Pollution Prevention; PBT - Persistent, bioaccumulative and toxic substance; PICCS - Chemical Substances Inventory of the Philippines; (Q)SAR - (Quantitative) Structure Activity Relationships; REACH - Regulation (EC) No. 1907/2006 of the European Parliament and of the Council concerning the registration, evaluation, the authorization and restriction of chemicals; RID - Regulations concerning the international rail transport of dangerous goods; SADT - Self-accelerating decomposition temperature; SDS - Safety Data Sheet; SVHC - Substance of Very High Concern; TCSI - Taiwan Chemical Substance Inventory; TECI - Thailand Existing Chemical Substances Inventory; TRGS - Technical Rule for Hazardous Substances; TSCA - Toxic Substances Control Act (United States); UN - United Nations; vPvB - Very persistent and very bioaccumulative TSCA - Toxic Substances Control Act (United States); UN - United Nations; vPvB - Very persistent and very bioaccumulative TSCA - Toxic Substances Control Act (United States); UN - United Nations; vPvB - Very persistent and very bioaccumulative

Further information

Directions : Provision of information, instructions to operators
on training and training.

Classification of the mixture:

Aquatic Chronic 2

H411

Classification procedure:

Calculation method

The information contained in this Safety Data Sheet is correct according to our best knowledge of the product at the time of publication. This information is provided for the sole purpose of allowing the use, storage, transport and disposal of the product in the most correct and safest way. This information should not be considered a guarantee or specification of product quality.

EN/ US