

SEALMAST 55 component B

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

1.1 Product Identifier

Commercial name : SEALMAST 55 component B

UFI : 0560-W0XM-E004-WKHX

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

Type of application (use) :Casting resin

Usage Restrictions : Reserved for industrial and professional users.
recommended

1.3 Details of the supplier of the safety data sheet

Company : CECCHI GUSTAVO & C Srl
Via M. Coppino 253 - 55049 Viareggio (LU) ITALY

Telephone : +39 0584 383694

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

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)

Acute toxicity, Category 4 H332: Harmful if inhaled.

Skin irritation, Category 2 H315: Causes skin irritation.

Version
12.0 SDB_ITReview date:
09.03.2023Previous edition date: 02.08.2023
First edition date: 12.27.2012

Eye irritation, Category 2	H319: Causes serious eye irritation.
Respiratory sensitization, Category 1	H334: May cause allergy or asthma symptoms or breathing difficulties if inhaled.
Skin sensitization, Category 1	H317: May cause an allergic skin reaction.
Carcinogenicity, Category 2	H351: Suspected of causing cancer.
Specific target organ toxicity - single exposure, Category 3, Respiratory system	H335: May cause respiratory irritation.
Specific target organ toxicity - repeated exposure, Category 2	H373: May cause damage to organs through prolonged or repeated exposure.

2.2 Elements of the label**Labeling (REGULATION (EC) N. 1272/2008)**

Hazard pictograms:



Warning	: Danger
Warning notices	: H315 Causes skin irritation. H317 May cause an allergic skin reaction. Causes H319 serious eye irritation. H332 Harmful if inhaled. H334 May cause allergy or asthma symptoms or difficulties respiratory if inhaled. H335 May irritate the respiratory tract. H351 Suspected of causing cancer. H373 May cause damage to organs if exposed prolonged or repeated.
Cautionary advice	: Prevention: P201 Obtain specific instructions before use. Do P260 not breathe mist or vapours. P264 Wash skin thoroughly after use. Wear gloves/ P280 protective clothing/eye protection eyes/ face protection/ hearing protection. Reaction: P304 + P340 + P312 IF INHALED: Carry with you the injured person in the open air and keep him at rest in a position that is comfortable for breathing. Call a POISON CENTER/doctor if you feel unwell. P308 + P313 IF exposed or concerned: Get medical advice/attention.

Hazardous components to be indicated on the label:

1,3-Butanediol, polymer with 1,1'-methylenebis[isocyanatobenzene], 2,2'-oxybis[ethanol] and 1,2-propanediol

Polymeric MDI

Additional labeling

«As of August 24, 2023, industrial or professional use is permitted only after having received adequate training».

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

: Formulation based on diphenylmethane diisocyanate

Components

Chemical Name	CAS No EC no INDEX NO Number of registration	Classification	concentration and (%w/w)
1,3-Butanediol, polymer with 1,1'-methylenebis[isocyanatobenzene], 2,2'-oxybis[ethanol] and 1,2-propanediol	155662-82-1 01-2119480402-45	Acute Tox. 4; H332 Skin Irrit. 2; H315 Eye Irrit. 2; H319 Rep. Sens. 1; H334 Skin Sens. 1; H317 Carc. 2; H351 STOT IF 3; H335 (Respiratory System) STOT RE 2; H373	> = 50 - <= 100
Polymeric MDI	9016-87-9 01-2119457024-46	Acute Tox. 4; H332 Skin Irrit. 2; H315 Eye Irrit. 2; H319	> = 30 - < 50

		Rep. Sens. 1; H334 Skin Sens. 1; H317 Carc. 2; H351 STOT IF 3; H335 (Respiratory System) STOT RE 2; H373	
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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. In case of irregular breathing or respiratory arrest, give artificial respiration. If breathing is difficult, give oxygen. 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 10 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	:	Breathing difficulties Lachrymation Redness Irritation
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4.3 Indication of any immediate medical attention and special treatment needed

Treatment	:	First Aid procedure should be agreed consulting the competent occupational physician.
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SECTION 5: Fire fighting measures

5.1 Extinguishing media

Suitable extinguishing media : Carbon dioxide (CO₂)
Foam
Sand

Unsuitable extinguishing media : Large jet of water

5.2 Special hazards arising from the substance or mixture

Specific dangers vs the fire : Decomposes in a fire, releasing toxic fumes: nitrous vapours
Pressure in hermetically sealed containers can increase under the influence of heat.
Cool closed containers near the flames with nebulised water.

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.
Only qualified personnel equipped with adequate protective equipment can intervene.
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). 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.

Persons facing skin sensitization problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is used.

Avoid inhalation, ingestion and contact with skin and eyes.

Use only in areas provided with proper ventilation systems.

Do not eat, drink and smoke while working.

Advice on protection against fire and explosions :

Keep away from open flames, hot surfaces and sources of ignition.

Hygiene measures :

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 dry, cool and well-ventilated place. To preserve the quality of the product, do not store near a heat source and do not expose to direct light. Keep in properly labeled containers.

Directions for the storage together with other products

: Keep away from oxidizing agents, strong acids or bases, amines, alcohols and water.
Keep away from food and drink.
Keep the product and empty containers away from heat and ignition sources.

Recommended storage temperature

: > 10 °C

Humidity

: Keep containers dry and tightly closed to avoid

moisture absorption and contamination.

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**

Does not contain substances with occupational exposure limit values.

8.2 Exposure controls**Appropriate engineering controls**

Minimum recommended ventilation speed
effective ventilation in all process areas Effective
exhaust ventilation system

Make sure that the extracted air cannot return to the workplace through the ventilation system.

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 : Protective gloves according to EN 374.
Material

Skin and body protection : Protection suit

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

Use a respirator during handling involving possible exposure to product vapor. The equipment must comply with EN 14387

The filter class of the respirator must be suitable for the maximum anticipated concentration of the contaminant (gas/vapour/particulate) which could arise when handling the product. If the concentration is exceeded, self-contained breathing apparatus must be used.

Protection arrangements : Avoid contact with skin. Wear suitable protective clothing.
Persons with a history of skin hypersensitivity or asthma, chronic allergies or recurrent respiratory disease should not be employed in any process in which this mixture is used.

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

physical state	: liquid
Color	: brown
Odor	: that tastes like mold
Olfactory threshold	: not determined
Melting point/freezing point	: not applicable
Boiling point/range	: > 300 °C
Upper explosion limit : of flammability	: Not applicable / Upper limit
Lower explosion limit / of flammability	: Not applicable Lower limit
Flash point	: 110°C Method: closed jar
Temperature of self-ignition	: Not applicable
Temperature of decomposition	: No data available
pH	: 5 Concentration: 1%
Viscosity	
Viscosity, dynamics	: 200mPa.s (25°C)
Viscosity, kinematics	: not determined
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	: 1.24 g/cm ³ (25 °C)

Apparent density : not determined

Relative vapor density : not determined

Particle characteristics
Particle size : Not applicable**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 applicable

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

Stable under recommended storage conditions.

The container may be pressurized by carbon dioxide resulting from reaction with moist air and/or water.

10.2 Chemical stability

No decomposition if stored and applied as directed.

10.3 Possibility of hazardous reactionsdangerous reactions : Reacts violently with water.
CO₂ formation in closed containers causes overpressure and risk of explosion.**10.4 Conditions to avoid**

Conditions to avoid : Direct source of heat.

10.5 Incompatible materialsMaterials to avoid : Humid air
Acids and bases
Amines**10.6 Hazardous decomposition products**

The container may be pressurized by carbon dioxide resulting from reaction with moist air and/or water.

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 : Acute toxicity estimate: 1.5 mg/l
Exposure time: 4 h
Test atmosphere: dust/mist
Method: Calculation method

Remarks: No data available

Acute dermal toxicity : Remarks: No data available

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

Components:**Polymeric MDI:**Acute oral toxicity : LD50 (Rat, male and female): > 10,000 mg/kg
Method: OECD Test Guideline 401Acute toxicity for inhalation : LC50 (Rat, male and female): 0.31 mg/l
Exposure time: 4 h
Test atmosphere: dust/fog
Method: OECD Test Guideline 403 Assessment:
Harmful by inhalation.Acute dermal toxicity : LD50 (Rabbit, male and female): > 9,400 mg/kg
Method: OECD Test Guideline 402**Skin corrosion/irritation****Product:**

Remarks : No data available

Components:**Polymeric MDI:**Species : On rabbit
Method : OECD Test Guideline 404 slight
Result : irritation**Serious eye damage/irritation****Product:**

Remarks : No data available

Components:**Polymeric MDI:**

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

Respiratory or skin sensitisation**Product:**

Remarks : No data available

Components:**Polymeric MDI:**

Test type : Maximization test
Route of exposure : Skin contact Guinea
Species : pig
Assessment : Does not cause skin sensitization. OECD
Method : Test Guideline 406 negative
Result :

Test type : Mouse Local Lymph Node assay (LLNA)
Route of exposure : Skin contact
Species : Mouse
Assessment : May cause sensitization by skin contact. OECD Test
Method : Guideline 429
Result : positive

Route of exposure : endotracheal
Species : Rat
Assessment : May cause sensitization by inhalation. positive
Result :

Assessment : Harmful if inhaled., The product causes irritation of eyes, skin and mucous membranes.
May cause sensitization by inhalation and skin contact.

Germ cell mutagenicity**Components:****Polymeric MDI:**

In vitro genotoxicity : Test type: Ames test
Test system: Salmonella typhimurium
Metabolic activation: with or without metabolic activation
Method: OECD Test Guideline 471
Result: negative

In vivo genotoxicity : Test Type: Micronucleus Test
Species: Rat (male)
Application Route: Inhalation Exposure time:
3x1h/day over 3 weeks) Method: OECD Test
Guideline 474

Result: negative

Germ Cell Mutagenicity-
Evaluation : In vitro tests did not reveal any mutagenic effects, In vivo tests did not reveal any mutagenic effects**Carcinogenicity****Product:**

Remarks : No data available

Components:**Polymeric MDI:**Species : Rat, male and female
Method of application : Inhalation
Exposure time : 2 h
doses : 0 - 0.2 - 1 - 6 mg/m³ 6
Frequency of treatment : hours/day, 5 days/week
Method : OECD Test Guideline 453 refer to defined
Substance to be tested : user free textCarcinogenicity -
Assessment : Suspected of causing cancer by inhalation.**Reproductive toxicity****Product:**

Effects on fertility : Remarks: No data available

Effects on fetal development : Remarks: No data available

Components:**Polymeric MDI:**Reproductive Toxicity -
Evaluation : Based on available data, it is not possible to meet the
classification criteria.
Did not show teratogenic effects in animal
experiments.**Specific target organ toxicity (STOT) - single exposure****Product:**

Remarks : No data available

Components:**Polymeric MDI:**Route of exposure : Inhalation
Target organs : Breath organs
Assessment : May irritate the respiratory tract.

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

Remarks : No data available

Components:**Polymeric MDI:**

Route of exposure : Inhalation
Target organs : Respiratory tract
Assessment : May cause damage to organs through prolonged or repeated exposure.

Repeated dose toxicity**Product:**

Remarks : No data available

Components:**Polymeric MDI:**

Species : Rat, male and female 0.2
NOAEL extension : mg/m³
Method of application : Inhalation
Exposure time : 2 h
Number of exposures : 6 hours a day, 5 days a week 0
Doses : - 0.2 - 1 - 6 mg/m³
Method : OECD Test Guideline 453

Aspiration toxicity**Components:****Polymeric MDI:**

There is no classification for aspiration toxicity

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

12.2 Persistence and degradability

Product:

Biodegradability : Remarks: No data available

Physico-chemical elimination : Remarks: No data available

12.3 Bioaccumulative potential

Product:

Bioaccumulation : Remarks: No data available

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 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 should be taken to an approved site for recycling or disposal.
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SECTION 14: transport information

14.1 UN number or ID number

Not regulated as dangerous goods

14.2 UN proper shipping name

Not regulated as dangerous goods

14.3 Transport hazard classes

Not regulated as dangerous goods

14.4 Packing group

- ADR/RID/ADN** : Not regulated as dangerous goods
- IMDG extension** : Not regulated as a dangerous good IMDG
- Remarks** : Code segregation group - none
- IATA (Cargo)** : Not regulated as dangerous goods. Not
- IATA (Passenger)** : regulated as dangerous goods

14.5 Environmental hazards

Not regulated as dangerous goods

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.

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) : Must be considered the restriction conditions for the following items:
Number in list: 3

Polymeric MDI (Number in list: 74, 56)

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

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. Not applicable

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**

H315	:	Causes skin irritation.
H317	:	May cause an allergic skin reaction. Causes
H319	:	serious eye irritation.
H332	:	Harmful if inhaled.
H334	:	May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H335	:	May irritate the respiratory tract.
H351	:	Suspected of causing cancer.
H373	:	May cause damage to organs through prolonged or repeated exposure.

Full text of other abbreviations

Acute Tox.	:	Acute toxicity
Carc.	:	Carcinogenicity
Eye Irrit.	:	Eye irritation
Rep. Sens.	:	Respiratory sensitization Skin
Skin Irrit.	:	irritation
Skin Sens.	:	Skin sensitization
STOT RE	:	Specific target organ toxicity - repeated exposure Specific
STOT IF	:	target organ toxicity - single exposure

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 Carrying Dangerous Chemicals in Bulk; IC50 - Half the concentration maximal inhibitory; 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

Further information

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

Classification of the mixture:

Acute Tox. 4	H332
Skin Irrit. 2	H315
Eye Irrit. 2	H319
Rep. Sens. 1	H334
Skin Sens. 1	H317
Carc. 2	H351
STOT IF 3	H335
STOT RE 2	H373

Classification procedure:

Calculation method
Calculation method
Calculation method
Calculation method
Calculation method
Calculation method
Calculation method
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 / EN