



SEALMAST 55 component A

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

1.1 Product Identifier

Commercial name : SEALMAST 55 component A

UFI : 6Q60-E087-300N-87XV

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

Type of application (use) : Casting resin

Usage Restrictions recommended : Reserved for industrial and professional users.

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)

Skin irritation, Category 2

H315: Causes skin irritation.

Eye irritation, Category 2

H319: Causes serious eye irritation.

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

Hazard pictograms:



Warning : Attention

Warning notices : H315 Causes skin irritation. Causes
H319 serious eye irritation.Cautionary advice : **Prevention:**
P264 Wash skin thoroughly after use. Wear gloves/ eye
P280 protection/ eye protection/ face**Reaction:**P302 + P352 IN CASE OF CONTACT WITH SKIN:
wash thoroughly with water.P332 + P313 In case of skin irritation: consult a
doctor.P337 + P313 If eye irritation persists, consult
a doctor.P362 + P364 Remove all contaminated clothing and wash it
before wearing them again.**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 : Polyetheramine

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Chemical Name	CAS No EC no INDEX NO Number of registration	Classification	concentration and (%w/w)
Poly(oxy-1,4-butanediyl), .alpha.-(4-aminobenzoyl)-.omega.-[(4-aminobenzoyl)oxy]-	54667-43-5	Skin Irrit. 2; H315 Eye Irrit. 2; H319	> = 50 - <= 100

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 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
Tearing
Redness

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: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media : Foam
Sand
Carbon dioxide (CO₂)
Water mist

Unsuitable extinguishing media : Nebulised water jet

5.2 Special hazards arising from the substance or mixture

Specific dangers vs the fire : 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 : 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 materials (e.g. sand, silica gel,

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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. Avoid inhalation, ingestion and contact with skin and eyes.
	Wear protective clothing. See Section 8 for personal protective equipment.
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. 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. Incompatible with oxidizing agents. Keep away from isocyanates.
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.
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SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Does not contain substances with occupational exposure limit values.



Does not contain substances with occupational exposure limit values.

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
Hand protection	
Material	: Protective gloves according to EN 374.
Material	: Nitrile rubber
Permeation time	: 480 mins
Glove thickness	: 0.35mm
Skin and body protection	: Protection suit Suggested Preventive Skin Protection Additional clothing should be used depending on the task being performed (eg sleeves, apron, protective gloves, disposable coveralls) to avoid exposing skin surfaces.
Respiratory protection	: Use respiratory protection, unless adequate local exhaust ventilation is provided or exposure assessment demonstrates exposure meets recommended guidelines. Respirator with half face mask In the event of vapor formation, use a respirator with an approved filter. Suggested filter type: Filter - ABEK The equipment must comply with EN 14387 Apply the necessary technical measures not to exceed the occupational exposure limit values.
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	: liquid
Color	: Amber
Odor	: light
Olfactory threshold	: not determined
Melting point/melting point	: Not applicable

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freezing

Boiling point/range : > 100 °C

Upper explosion limit : Not applicable / Upper limit
of
flammabilityLower explosion limit / : Not applicable Lower limit
of
flammability

Flash point : 100°C

Ignition temperature : Not applicable

Temperature of
self-ignition : Not applicableTemperature of
decomposition : No data availablepH : 4 - 5
Concentration: 1%Viscosity
Viscosity, dynamics : 2,500 - 4,000 mPa.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 determined

Density : 1.07 g/cm³ (25 °C)

Apparent density : not determined

Relative vapor density : not determined

Particle characteristics
particle size :Not applicable

Particle size : Not applicable

9.2 Other Information

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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.

10.2 Chemical stability

No decomposition if stored and applied as directed.

10.3 Possibility of hazardous reactions

dangerous reactions : Reacts with the following substances:
Isocyanates
Keep away from oxidizing agents, and acid or alkaline products.

10.4 Conditions to avoid

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

10.5 Incompatible materialsMaterials to avoid : Incompatible with oxidizing agents.
Isocyanates**10.6 Hazardous decomposition products**No decomposition if stored and applied as directed.

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

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Remarks : No data available

Serious eye damage/irritation**Product:**

Remarks : No data available

Respiratory or skin sensitisation**Product:**

Remarks : No data available

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

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.

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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:**

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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.
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

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

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REACH - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles (Annex XVII) : The restriction conditions for the following items have to be considered:
Number in list: 3

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

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H315 : Causes skin irritation. Causes
H319 : serious eye irritation.

Full text of other abbreviations

Eye Irrit. : Eye irritation
Skin Irrit. : Skin irritation

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

Classification of the mixture:

Skin Irrit. 2 H315
Eye Irrit. 2 H319

Classification procedure:

Calculation method
Calculation method

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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