



Safety Data Sheet

SECTION 1

IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND COMPANY / UNDERTAKING.

PRODUCT IDENTIFIER TRADE NAME:

SPHEROGUARD – liquid building heat and sound insulation mixture on a water basis. Product code: 3209 10 0000 –seria

Relevant identified uses of the mixture and recommended area use of SPHEROGUARD – building heat and noise insulation liquid mixture.

PRODUCT CATEGORY

SPHEROGUARD – building heat and noise insulation liquid mixture made on the basis of water dispersion of acrylic polymers.

USE OF THE SUBSTANCE / PREPARATION

SPHEROGUARD is an building heat and noise insulation liquid mixture that can used as:

- In the construction industry, for the arrangement of additional heat-and-sound insulation of surfaces of elements of fencing structures of buildings and structures;
- In machine-building, for the protection of interior surfaces of bodies of vehicles, including bodies of railway transport, corrosion, condensation and vibration noise during operation;
- In power engineering, for the arrangement of additional thermal isolation of pipelines and equipment;

DETAILS OF THE SUPPLIER OF THE SAFETY DATA SHEET

Manufacturer / Supplier:

SPHEROGUARD UK

Unit 47 Riverside Sit Thomas Longley Road

Rochester

Kent

ME2 4DP

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E-mail: info@spheroguard.com

SECTION 2:

HAZARDS AND CONDITIONS OF THEIR OCCURRENCE

2.1 CLASSIFICATION OF THE SUBSTANCE OR MIXTURE

- > Definition characteristics of the product: Mixture.
- > The product is not classified as hazardous according to Regulation (EC) No 1272/2008 sec. additions and amendments.
- > Classification in accordance with Regulation (EC) No. 1272/2008 [CLP / GHS].

2.2 LABEL ELEMENTS

Signal word:	There is no signal word.
Hazard statements:	The product is not classified as hazardous.
Prevention:	Not applicable.
Warnings formulations:	Not applicable.
Responses:	Not applicable.
Storage:	Not applicable.
Removal:	General: Not applicable.

ELEMENTS OF THE ACCOMPANYING LABEL

- > Contains 1,2-benzisothiazol-3 (2H) -one and mixture 5-chloro-2-methyl-2H-isothiazol-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3: 1). Allergic reactions are possible.
- > Use protective gloves.
- > Treated articles
- > The composition of the paint includes a biocide additive to preserve the dry film. Contains 1,2-benzisothiazol-3 (2H) -one and a mixture of 5-chloro-2-methyl-2H-isothiazol-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3: 1).

2.3 OTHER HAZARDS

- > Other hazards; Which are not classified by GHS: Unknown

The product's name/ ingredient	Identifiers	%	Classification Regulation (EC) No. 1272/2008 [CLP]	Notes
1,2-benzisothiazol-3 (2H) -oH	EC: 220-120-9 CAS: 2634-33-5	<0,05	Acute Tox. 4, H302 Skin Irrit. 2, H315 Eye Dam. 1, H318 Skin Sens. 1, H317 Aquatic Acute 1, H400 (M=1) Aquatic Chronic 2, H411	-
a mixture of 5-chloro-2- methyl-2H- isothiazol-3-oH [EC no. 247-500-7] and 2-methyl-2H-isothi- azol-3-oH [EC no. 220-239-6] (3:1)	CAS: 55965-84-9	<0,0015	Acute Tox. 3, H301 Acute Tox. 3, H311 Acute Tox. 3, H331 Skin Corr. 1B, H314 Skin Sens. 1, H317 Aquatic Acute 1, H400 (M=1) Aquatic Chronic 1, H410 (M=1) The full text of the declared the above formulations see Section 16.	-

> There are no other ingredients in the product that, according to the current supplier data, would be classified or contributed to the classification of the hazard of the substance, and thus would require a report in this section.

> This product does not contain additives that, according to the supplier and in the concentrations used, are classified as hazardous to health or the environment, are PBT and vPvB (oCoB) or have exposure limit values, and therefore should be mentioned in this section .

> The maximum permissible concentration of harmful substances in the work area (if any) given in Section 8.

> Notes on substances, see Regulation No. 1272/2008, Annex VI.

SECTION 4:

FIRST AID MEASURES

GENERAL: In any doubtful cases or if symptoms persist seek medical attention. If possible, show this safety data sheet or label to a doctor.

EYE CONTACT: Remove contact lenses. Immediately flush eyes with copious amounts. the amount of water, keeping the eyelids open. Continue to rinse for at least 10 minutes.

INHALATION: Remove victim to fresh air.

SKIN CONTACT: Wash skin thoroughly with soap and water or use known products for cleaning the skin. Do not use solvents or thinners.

INGESTION: In case of ingestion, rinse mouth with water (assuming the person is conscious). If swallowed a significant amount of the substance or if symptoms appear, consult a physician.

4.2 THE MOST IMPORTANT SYMPTOMS AND MANIFESTATIONS, BOTH ACUTE AND DELAYED

> For more information on factors that affect health and symptoms, see section 11.

Contains:

- > 1,2-benzisothiazol-3 (2H) -o
- > 5-chloro-2-methyl-2H-isothiazol-3-o / 2-methyl-2H-isothiazol-3-o
- > Allergic reactions are possible.

4.3 INDICATION OF THE NEED FOR EMERGENCY MEDICAL CARE AND SPECIAL TREATMENT

> No.

SECTION 5:

FIREFIGHTING MEASURES AND EQUIPMENT

5.1 EXTINGUISHING MEDIA

- > Suitable extinguishing media: Use an extinguishing agent suitable for this fire. It is recommended to apply foam, resistant to alcohol, carbon dioxide, powder or water mist.
- > Unsuitable extinguishing media: Do not direct the water jet directly, as this may spread a fire.

5.2 SPECIAL HAZARDS ARISING FROM THE SUBSTANCE OR MIXTURE

- > Hazards from the substance or mixture: The product is not classified as a flammable substance. In the event of a fire, thick black smoke will form. Decomposition products may be hazardous to health.
- > Hazardous combustion products: At very high temperatures, it can release harmful decomposition products such as carbon monoxide, carbon dioxide, smoke, nitrogen oxide, etc.

5.3 ADVICE FOR FIREFIGHTERS

- > Special protective equipment and precautions for firefighters: To cool containers in the fire zone, use sprayed water. Do not discharge the water used to extinguish the fire in the sewers or ponds.
- > Special protective equipment for firefighters: An appropriate breathing apparatus may be required.

SECTION 6:

ACCIDENTAL RELEASE MEASURES

6.1 Precautions for personnel, protective equipment and emergency measures. See the list of protective measures in Sections 7 and 8.

6.2 Environmental warnings Do not allow to enter drains or watercourses.

6.3 Methods and material for spill containment / placers and cleaning up Collect with a non-flammable absorbent material such as sand, earth, vermiculite, diatomaceous earth and place in a container for subsequent disposal in accordance with existing local regulations. Wash contaminated area with water or a suitable detergent. Do not use solvents.

6.4 References to other sections For information on contacts in emergency

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for work with the product Avoid contact with skin and eyes. Avoid breathing vapors. Avoid inhalation of dust during the sand cleaning process. Refer to section 8 for information on suitable personal protective equipment. It is forbidden to eat, drink and smoke in the territory where this product is used or stored. Wash hands before breaks and immediately after handling the product.

7.2 Conditions for safe storage, taking into account any incompatibilities Keep in original container, protected from light, cool and well-ventilated room, separate from incompatible materials (see Section 10), food and beverages. Keep container tightly closed. Opened containers should be well closed and kept in an upright position to prevent product leakage. The recommended storage temperature is +5 °C ... +25 °C. Protect from frost. Store in accordance with local regulations.

7.3 Specific end use No.

SECTION 8 OCCUPATIONAL HEALTH AND SAFETY REQUIREMENTS SAFETY OF PERSONNEL (USER)

8.1 CONTROL PARAMETERS

- > Maximum allowable concentrations in the work area
- > Recommended methods of control If this product contains ingredients for which MPC is established, then control is required – both personal and biological, and air in work area – to determine the effectiveness of ventilation and the necessary protective measures and / or the use of respiratory protection.
- > DNEL / DMEL: DNEL / DMEL values are not available.
- > PNEC: There are no PNEC values.

8.2 EXPOSURE CONTROLS

- > Applicable technical control measures.
- > Ensure adequate ventilation. When working, observe the laws relating to occupational safety and health.
- > Individual protection measures
- > Eye / face protection In case of possible exposure, wear protective goggles.
- > Hand protection Wear protective gloves. Gloves should be changed through certain time intervals, as well as in cases where there are any signs of damage to the glove material. It is necessary to follow the instructions and information provided by the glove manufacturer, for their use, storage, care and replacement.
- > Recommended (EN374):> 8 hours (breakthrough time): nitrile rubber It is not recommended to use protective gloves made of PVA.
- > Skin protection Use appropriate protective clothing to avoid contact with skin.
- > Respiratory Protection systems For working with the product under normal conditions, it is not necessary to apply respirator. When grinding, use a respirator of type P2 (EN149: 2001). Ensure that the certified respiratory equipment or its equivalent. Make sure that the mask carefully adheres to the face and regularly change the filter.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

9.1 INFORMATION ON BASIC PHYSICAL AND CHEMICAL PROPERTIES

- > Appearance
- > Physical state Liquid.
- > Melting point / freezing point 0 °C (water)
- > The initial boiling point and the boiling range of 100 °C (water)
- > Steam pressure 3.2 kPa [room temperature] (water)
- > Density 0.45–0.55 g / cm³
- > Density of vapor Does not affect the assessment of the hazard of the product.
- > Solubility (a) Miscible with water.
- > Smell Weak.
- > Hydrogen index (pH) Does not affect product hazard assessment
- > White color. ashen
- > Evaporation rate Does not make sense in connection with the nature of the product.
- > The temperature of spontaneous combustion does not make sense in connection with the nature of the product.
- > Flash Point Closed Cup: Not applicable.
- > Partition coefficient n-octanol / water Not available.
- > Upper / lower flammability limits or

- > Explosives There are no flammable ingredients.
- > Explosive properties There are no exploding ingredients.
- > Decomposition temperature. Does not affect the assessment of the hazard of the product.
- > Viscosity Does not affect the hazard assessment of the product.
- > Odor threshold Does not affect product hazard assessment
- > Oxidizing properties. Oxidizing ingredients are absent.

9.2 ADDITIONAL INFORMATION

- > There is no additional information.

SECTION 10

STABILITY AND REACTIVITY

10.1 Reactive ability See paragraph 10.5.

10.2 Chemical stability The product is stable under recommended storage conditions and work with it (see Section 7).

10.3 Ability dangerous reactions Under normal conditions of storage and use of a harmful reaction occurs.

10.4. The conditions Avoid high temperatures and freezing.

10.5 Incompatible substances and materials To prevent strong exothermic reactions, it is necessary to store away from the following materials: oxidants strong acids strong alkalis

10.6 Hazardous products decomposition At a very high temperature can release harmful decomposition products, such as carbon monoxide, carbon dioxide, smoke, nitric oxide, and the like.

SECTION 11

TOXICITY

11.1 INFORMATION ON TOXICOLOGICAL EFFECTS

- > The product is not classified as hazardous according to Regulation (EC) No 1272/2008 with additions and amendments. Prolonged contact may cause irritation of the respiratory tract.
- > Prolonged or repeated contact may degrease the skin, cause irritation, cracking and / or dermatitis.

The product's name/ ingredient	Result	Biological view	Dose	Exposition
1,2-benzisothiazol-3 (2H) -OH	LD50 Through the mouth	RAT	1020 mg / kg	-
a mixture of 5-chloro-2-methyl-2H-isothiazol-3-ol [EC no.247-500-7] and 2-methyl-2H-isothiazol-3-ol [EC no.220-239-6] (3:1)	LD50 Through the mouth	RAT	53 mg / kg	-

Acute toxicity: Not classified.

Irritation / Corrosion: Not classified

Sensitization:

- > The product is not classified as causing an allergy, but it contains small amounts preservatives that can cause an allergic reaction in people with increased sensitivity:
- > 1,2-benzisothiazol-3 (2H) -one
- > 5-chloro-2-methyl-2H-isothiazol-3-one / 2-methyl-2H-isothiazol-3-one

Mutagenicity: Not classified

Carcinogenicity: Not classified

Toxicity affecting reproduction: Not classified

Teratogenicity: Not classified.

- > Toxic substances that have a damaging effect on target organs and systems (with a single exposure) Not classified.
- > Aspiration risk Not classified.

SECTION 12

ENVIRONMENTAL IMPACT

- > Environmental testing of this product has not been conducted.
- > Do not allow to enter drains or watercourses.
- > The product is not classified as safe in accordance with Regulation (EC) No. 1272/2008 with amendments and additions.

12.1 TOXICIT

The product's name/ ingredient	Result	Biological view	Exposition
1,2-benzisothiazol-3 (2H) -OH a mixture of 5-chloro-2-methyl-2H-isothiazol-3-OH [EC no.247-500-7] and 2-methyl-2H-isothiazol-3-OH [EC no.220-239-6] (3 :1)	Acute LC50 0.74 mg / L Acute EC50 0.379 mg / l Acute	Seaweed - Skeletonema costatum A fish	72 hours
		Seaweed - Pseudokirchneriella subcapitata	96 hours
	EC50 0.16 mg / L	Daphnia - Daphnia magna	72 hours
	Acute LC50 0.19 mg / L Chronic	Fish - Oncorhynchus mykiss	48 hours
	NOEC 0.0012 mg / l Chronic NOEC	Seaweed - Pseudokirchneriella subcapitata	96 hours
	0.004 mg / L	Daphnia - Daphnia magna	72 hours 21 days

12.2. STABILITY AND DEGRADABILITY

The product's name/ ingredient	The half-life in water	Photolysis	Ability to biodegradation
a mixture of 5-chloro-2-methyl-2H- isothiazol-3-OH [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-OH [EC no. 220-239-6] (3:1)	-	-	Easily

12.3. BIOACCUMULATIVE

- > Potential: There are no specific data.

12.4 MOBILITY IN SOIL COEFFICIENT OF DISTRIBUTION BETWEEN SOIL AND WATER (KOC) NOT AVAILABLE.

- > Mobility Not available.

12.5 RESULTS OF THE PBT AND VPVB (OCOB)

- > PBT: Not applicable.
- > vPvB: Not applicable.

12.6 OTHER ADVERSE EFFECTS

- > Not available.

SECTION 13: DISPOSAL AND / OR DISPOSAL OF WASTE (S)

13.1 WASTE TREATMENT METHODS

- > **Product:** Methods of destruction Before cleaning, remove the remaining material from the instruments. Do not allow product to enter drains. Wastes are collected and are destroyed in accordance with applicable federal and local environmental legislation. Dry, solvent-free paint residues and waste from the paintwork can usually be taken to a landfill. Liquid waste must be sent to a hazardous waste collection site or other place for processing and disposal of hazardous waste.
- > European Waste Catalog (EWC)

Waste code	Waste designation
08 01 12	waste paint and varnish other than those mentioned in 08 01 11

- > If this product is mixed with other wastes, then the original waste code can no longer It is therefore necessary to assign the appropriate code. For further information, contact your local waste disposal institution.
- > Packaging Methods of destruction Empty packages should be recycled or disposed of in accordance with national legislation.
- > Special measures Precautions There is no additional information.

SECTION 14 TRANSPORT SAFETY REQUIREMENTS

The regulations governing carriage by road, rail, sea and air transport (ADR / RID, IMDG) do not provide for the carriage of this product.

	ADR/RID	IMDG
4.1 UN number	Not regulated.	Not regulated.
14.2. The name of the transportation of UN	Not regulated.	Not regulated.
14.3 Hazard Class (s) for transportation	Not regulated.	Not regulated.
14.4 Packing Group	Not regulated.	Not regulated.
14.5 Hazard to the environment	Not regulated.	Not regulated.
Additional Information	Not regulated.	Not regulated.

14.6. Special warnings for User transport in the customer premises: transportation always should be carried out in closed sheltered containers that are in an upright position. Make sure that the persons who transport the product know what actions they should take in the event of damage or leakage of the product.

14.7 Transportation in bulk according to Annex II of MARPOL and IBC Code Not available.

SECTION 15

INTERNATIONAL AND NATIONAL LEGISLATION

15.1. Norms / laws relating to safety, health and the environment specific to the substance or mixture
Regulation EC (EC) No. 1907/2006 (REACH)

Other EU rules

European register: Not defined.

VOC Directive: This product is under the scope of Directive 2004/42 / CE.

15.2 Chemical hazard assessment This product contains substances for which a chemical hazard assessment is still required.

SECTION 16

ADDITIONAL INFORMATION

- > Indicates data that has changed from the previous release.
- > Abbreviations and abbreviations: ATE = Acute toxicity estimate
- > CLP = Rules for the Classification, Packing, Labeling of Chemicals and mixtures (EC No. 1272/2008)
- > DMEL = Minimized exposure level
- > DNEL = Output level of no impact
- > EUH-formulation = CLP / GHS-risk wording
- > PBT = Persistent, toxic, bioaccumulative
- > PNEC = Estimated inefficient concentration
- > RRN = REACH Registration Number
- > vPvB = Very persistent and bioaccumulative
- > The procedure used to derive classification according to Regulation (EC)
- > No. 1272/2008 [CLP / GHS]

Classification	Rationale
Not classified. Full text of abridged	H301 Toxic if swallowed. H302 Harmful if swallowed. H311 Toxic in contact with skin. H314 Harmful in contact with skin and eyes. H315 Irritating to skin. H317 May cause sensitization by skin contact. H318 In case of eye contact, irreversible effects are expected. H330 Mortally by inhalation. H331 Toxic by inhalation. H400 Extremely toxic to aquatic organisms. H410 Extremely toxic to aquatic life with long lasting effects. H411 Toxic to aquatic life with long lasting effects.
Full text Classifications [CLP / GHS]	Acute Tox. 2, H330 ACUTE TOXICITY (inhalation) -Category 2 Acute Tox. 3, H301 ACUTE TOXICITY (through the mouth) - Category 3 Acute Tox. 3, H311 ACUTE TOXICITY (cutaneous) - Category 3 Acute Tox. 3, H331 ACUTE TOXICITY (inhalation) -Category 3 Acute Tox. 4, H302 ACUTE TOXICITY (by mouth) -Category 4 Aquatic Acute 1, H400 WATER HAZARD (ACUTE) - Category 1 Aquatic Chronic 1, H410 WATER HAZARD (LONG-TERM) - Category 1 Aquatic Chronic 2, H411 WATER HAZARD (LONG-TERM) - Category 2 Eye Dam. 1, H318 SERIOUS EYE DAMAGE, EYE IRRITATION - Category 1 Skin Corr. 1B, H314 SKIN DAMAGE, SKIN IRRITATION - Category 1B Skin Irrit. 2, H315 SKIN DAMAGE, SKIN IRRITATION - Category 2 Skin Sens. 1, H317 SKIN SENSIBILIZATION - Category 1 Skin Sens. 1A, H317 SKIN SENSIBILIZATION - Category 1A

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SPHEROGUARD All variants

Note to the reader

The information in this Safety Data Sheet is based on our knowledge and applicable laws. Without first receiving written instructions for working with this product, it should not be used for purposes other than those described in section 1. The consumer is fully responsible for fulfilling all the requirements of local rules and legislation. The information in this Safety Data Sheet refers only to the description of the rules for safe work with the product. This information is not a guarantee of product quality.