

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 PRODUCT IDENTIFIER

- Trade name: Foam Primer and Coat
- Article Codes, Trade Name and EAN:**

Code	Trade Name	EAN
5723	Super Flexible Primer - Foam Primer 250ml - Black	8435646530833
5724	Super Flexible Primer - Foam Primer 250ml - Grey	8435646530840

- UFI:** Not applicable.
- Description:** Flexible paint for model making activities.

1.2 RELEVANT IDENTIFIED USES OF THE SUBSTANCE OR MIXTURE AND USES ADVISED AGAINST

- Intended uses (main technical functions) :** Painting / Use: Consumer (SU0-21) and Professional (SU22)
- Uses advised against:** None. As this product is not classified as hazardous, it may be used in ways other than those identified, but all uses must be consistent with the safety guidelines indicated.
- Restrictions on manufacturing, marketing and use. Annex XVII Regulation (EC) No 1907/2006:** Not restricted.

1.3 DETAILS OF THE SUPPLIER OF THE SAFETY DATA SHEET

GREEN STUFF WORLD, SL

Chelín Street 24, Las Atalayas PI

03114 Alicante - Spain

Tel.: +34 965145107

Email: info@greenstuffworld.com

Website: www.greenstuffworld.com

1.4 EMERGENCY TELEPHONE NUMBER

- Toxicological Information Service (National Institute of Toxicology and Forensic Sciences):**

Tel.: +34 915620420

Information in Spanish (24/7).

Solely for the purpose of providing a health response in case of emergency.

- Poison Control Centers in Spain:**

MADRID: National Institute of Toxicology – Toxicological Information Service.

Tel.: +34 915620420

Emergency telephone number for other countries:

- Netherlands. NVIC: +31 88 755 8000. Uitsluitend bestemd om professionele hulpverleners te informeren bij acute vergiftigingen
- France (INRS 24h/24) - Tel: +33 (0)1 45 42 59 59
- Ireland - Tel: 00 353 1 8092568 - 00 353 1 8379964 (24h/24)
- European Union Tel: 112
- Belgium: - Brüssel: +32 070/245 245
- UK: Call NHS 999 in a medical emergency. If you urgently need medical help or advice but it's not a life-threatening situation, call 111 (24/7). The NHS 111 number is currently only available in certain areas. If you're outside of these areas, you should call NHS Direct on 0845 4647
- Swiss Toxicological Information Center (Zürich): +41 44 251 51 51 /

SECTION 2: HAZARDS IDENTIFICATION

2.1 CLASSIFICATION OF THE SUBSTANCE OR MIXTURE

- This product is not classified as hazardous according to Regulation (EU) No 1272/2008~2022/692 (CLP).
Note: Where a percentage range is used in Section 3, health and environmental hazards describe the effects of the highest concentration of each component, but below the maximum value indicated.
Note: A safety data sheet is not required for this product under Regulation (EC) No. 2020/878. When used under recommended conditions or normal working conditions, it is not expected to present a physicochemical hazard or risk to health or the environment. However, a safety data sheet can be provided as a courtesy in response to a customer request .

2.2 LABEL ELEMENTS

- This product does not require pictograms, according to Regulation (EU) No 1272/2008~2022/692 (CLP).

HAZARD STATEMENTS

- None.

CAUTIONARY ADVICE

- P102 Keep out of reach of children.

ADDITIONAL INFORMATION

- EUH208: Contains 2-octyl-2H-isothiazol-3-one, Reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1), 4,5-dichloro-2-octyl-2H-isothiazol-3-one. May produce an allergic reaction.
- Contains 2-octyl-2H-isothiazol-3-one for film protection.
Substances contributing to the classification:
- None in a percentage equal to or greater than the limit for mention on the label.

2.3 OTHER HAZARDS

- Hazards not considered for classification but which may contribute to the overall hazard of the mixture:
Other physicochemical hazards: No other relevant adverse effects are known.
Other risks and negative effects on human health: Prolonged exposure to vapor may cause temporary drowsiness. Prolonged contact may cause skin dryness.
Other negative effects on the environment: Does not contain substances that meet the PBT/vPvB criteria.
Endocrine disrupting properties: This product does not contain substances with endocrine disrupting properties identified or under evaluation in a concentration greater than 0.1% by weight.

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

3.1 SUBSTANCE

- Not applicable (mixture).

3.2 MIXTURE

- This product is a mixture.
- **Chemical description:** Mixture of pigments, resins and additives in an aqueous medium.
- **Hazardous components:** Substances that are involved in a percentage higher than the exemption limit:

Mixture of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1)

C < 0.0015%

CAS: 55965-84-9

EC: 611-341-5

CLP: Danger: Acute Tox. (inh.) 2:H330 (ATE=50 mg/m³) | Acute Tox. (skin) 2:H310 (ATE=140 mg/kg) | Acute Tox. (oral) 3:H301 (ATE=74 mg/kg) | Skin Corr. 1C:H314 | Eye Dam. 1:H318 | Aquatic Acute 1:H400 (M=100) | Aquatic Chronic 1:H410 (M=100) | EUH071 | Skin Sens. 1A:H317 (Note B) ATP13



Skin Corr. 1C, H314:
C ≥ 0.6%
Skin Irrit. 2, H315:
0.06% ≤ C < 0.6%
Eye Dam. 1, H318:
C ≥ 0.6%
Eye Irrit. 2, H319:
0.06% ≤ C < 0.6%
Skin Sens. 1A, H317:
C ≥ 0.0015%

2-octyl-2H-isothiazol-3-one

C < 0.0005%

CAS: 26530-20-1

EC: 247-761-7

CLP: Danger: Acute Tox. (inh.) 2:H330 (ATE=270 mg/m³) | Acute Tox. (skin) 3:H311 (ATE=311 mg/kg) | Acute Tox. (oral) 3:H301 (ATE=125 mg/kg) | Skin Corr. 1B:H314 | Eye Dam. 1:H318 | Aquatic Acute 1:H400 (M=100) | Aquatic Chronic 1:H410 (M=100) | EUH071 | Skin Sens. 1A:H317 ATP15



Skin Sens. 1A, H317:
C ≥ 0.0015%

4,5-dichloro-2-octyl-2H-isothiazol-3-one

C < 0.0005%

CAS: 64359-81-5

EC: 264-843-8,

CLP: Danger: Acute Tox. (inh.) 2:H330 (ATE=160 mg/m³) | Acute Tox. (oral) 3:H302 (ATE=567 mg/kg) | Skin Corr. 1B:H314 | Eye Dam. 1:H318 | Aquatic Acute 1:H400 (M=100) | Aquatic Chronic 1:H410 (M=100) | Skin Sens. 1A:H317 ATP15



Skin Irrit. 2, H315:
C ≥ 0.025%
Eye Irrit. 2, H319:
C ≥ 0.025%
Skin Sens. 1A, H317:
C ≥ 0.0015%

Impurities : It does not contain other components or impurities that could influence the classification of the product.

Stabilizers : None.

Reference to other sections : For further information, see sections 8, 11, 12 and 16.

SUBSTANCES OF VERY HIGH CONCERN (SVHC): List updated by ECHA on 27/06/2024

SVHC substances subject to authorisation, included in Annex XIV of Regulation (EC) No 1907/2006 : None.

SVHC substances candidate for inclusion in Annex XIV of Regulation (EC) No 1907/2006 : None.

Persistent, bioaccumulative and toxic (PBT) or very persistent and very bioaccumulative (vPvB) substances: Does not contain substances that meet the PBT/vPvB criteria.

POP substances included in REGULATION (EU) 2019/1021~2020/784 on persistent organic pollutants : None.

SECTION 4: FIRST AID MEASURES

4.1 DESCRIPTION OF FIRST AID MEASURES

- Symptoms may appear after exposure, so in case of direct exposure to the product, if in doubt, or if symptoms of discomfort persist, seek medical attention. Never give anything by mouth to an unconscious person.

Route of exposure	Symptoms and effects, acute and delayed	Description of first aid
Inhalation	Symptoms are not expected to occur under normal conditions of use.	If symptoms are present, move the affected person to fresh air.
Cutaneous	Prolonged contact may dry out the skin.	Immediately remove contaminated clothing. Wash the affected areas thoroughly with plenty of cold or warm water and mild soap or another suitable skin cleansing product.
Ocular	Contact with eyes causes redness and pain.	Remove contact lenses. Rinse eyes with plenty of clean, cool water, pulling the eyelids upward. If irritation persists, consult a doctor.
Ingestion	If ingested in large quantities, it can cause gastrointestinal discomfort.	Do not induce vomiting, due to the risk of aspiration. Keep the affected person at rest.

4.2 MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED

- The main symptoms and effects are listed in sections 4.1 and 11.

4.3 INDICATION OF ANY MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED

- The updated product composition information has been sent to the Toxicological Information Service (Institute of Toxicology and Forensic Sciences). In case of accident, call the INTCF (National Institute of Toxicology and Forensic Sciences) at (+34) 915620420 (24/7).
- Information for the physician:** Treatment should be directed toward controlling the patient's symptoms and clinical conditions.
- Antidotes and contraindications:** No specific antidote is known.

SECTION 5: FIREFIGHTING MEASURES

5.1 EXTINGUISHING MEDIA

- RD.513/2017: Fire extinguishing powder or CO₂.

5.2 SPECIAL HAZARDS ARISING FROM THE SUBSTANCE OR MIXTURE

- As a result of combustion or thermal decomposition, hazardous products may be formed: carbon monoxide and carbon dioxide. Exposure to combustion or decomposition products may be harmful to health.

5.3 ADVICE FOR FIREFIGHTERS

- Special protective equipment:** Depending on the size of the fire, the use of heat-protective suits, self-contained breathing apparatus, gloves, goggles or face shields, and boots may be necessary. If fire protection equipment is unavailable or not used, extinguish the fire from a protected location or at a safe distance. EN469 provides a basic level of protection in the event of a chemical incident.
- Other recommendations:** Cool tanks, cisterns, or containers near the heat source or fire with water. Take wind direction into account. Prevent firefighting products from entering drains, sewers, or waterways.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES

- Eliminate potential ignition sources and, if necessary, ventilate the area. No smoking. Avoid direct contact with the product. Avoid breathing vapors. Keep unprotected persons upwind.

6.2 ENVIRONMENTAL PRECAUTIONS

- Avoid contamination of drains, surface or groundwater, and soil. In the event of large spills or if the product contaminates lakes, rivers, or sewers, inform the competent authorities, in accordance with local regulations.

6.3 METHODS AND MATERIAL FOR CONTAINMENT AND CLEANING UP

- Collect the spill with non-combustible absorbent materials (earth, sand, vermiculite, diatomaceous earth, etc.). Clean up, preferably with a biodegradable detergent. Store the remains in a closed container.

6.4 REFERENCES TO OTHER SECTIONS

- For emergency contact information, see section 1.
- For information on safe handling, see section 7.
- For exposure control and individual protection measures, see section 8.
- For subsequent disposal of waste, follow the recommendations in section 13.

SECTION 7: HANDLING AND STORAGE

7.1 PRECAUTIONS FOR SAFE HANDLING

- Comply with current legislation on occupational risk prevention.
- **General recommendations:** Use in areas free from ignition sources and away from heat or electrical sources. No smoking. Avoid all spills or leaks. Do not leave open containers.
- **Recommendations to prevent fire and explosion risks:** Vapors are heavier than air, can travel along the ground for considerable distances, and can form mixtures with air that, upon reaching distant ignition sources, can ignite or explode. Due to its flammability, this material should only be used in areas free of ignition points and away from heat or electrical sources. Turn off cell phones and refrain from smoking. Do not use tools that may produce sparks.
- **Flash point:** 99* °C (Pensky-Martens) CLP 2.6.4.3.
- **Auto-ignition temperature:** Not applicable (does not sustain combustion).
- **Recommendations for preventing toxicological risks:** Do not eat, drink, or smoke during handling. After handling, wash your hands with soap and water. For exposure control and personal protection measures, see section 8.
- **Recommendations for preventing environmental contamination:** Not considered an environmental hazard. In case of accidental spillage, follow the instructions in section 6.

7.2 CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES

- Prohibit unauthorized entry. Keep out of reach of children. The product should be stored away from heat or electrical sources. Do not smoke in the storage area. If possible, avoid direct sunlight. Avoid extreme humidity. To prevent spillage, once opened, containers should be carefully resealed and placed upright. Keep the container tightly closed. For more information, see section 10.
- Storage class:** Class B1. According to ITC MIE APQ-1 (storage of flammable and combustible liquids in fixed containers) and ITC MIE APQ-10 (storage in mobile containers), RD.656/2017.
- Maximum stock time:** 24 months.
- Temperature range:** min.: 5°C, max.: 40°C (recommended).
- Incompatible materials:** Keep away from reducing agents, oxidizing agents, acids, alkalis.
- Type of packaging:** According to current regulations.
- Limit quantity (Seveso III): Directive 2012/18/EU (RD.840/2015):** Not applicable (product for non-industrial use) .

7.3 SPECIFIC END USE(S)

- There are no specific recommendations for the use of this product other than those already indicated.

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 CONTROL PARAMETERS

- If a product contains ingredients with exposure limits, personal, work environment, or biological monitoring may be necessary to determine the effectiveness of ventilation or other control measures and/or the need for respiratory protective equipment.
- They should refer to monitoring standards such as EN689, EN14042, and EN482, which address methods for assessing inhalation exposure to chemical agents, and exposure to chemical and biological agents. National guidance documents on methods for determining hazardous substances should also be used as a reference.
- Occupational exposure limit values (VLA):** INSST 2021 (RD. 39/1997) (Spain, 2024):
2-octyl-2H-isothiazol-3-one
VLA-ED: 0.05 mg/m³
Remarks: Recommended
VLA: Environmental Limit Value; ED: Daily Exposure; EC: Short-Term Exposure.
- Biological limit values (BLV):** Not established.

DERIVED NO EFFECT LEVEL (DNEL)

- The derived no-effect level (DNEL) is an estimated safe exposure level derived from toxicity data according to specific guidance provided by REACH. The DNEL may differ from an occupational exposure limit (OEL) for the same chemical. OEL values may be recommended by a specific company, a government regulatory agency, or an expert organization. While also considered protective of health, OEL values are derived through a process separate from REACH.

DNEL not available (no REACH registration data)

PREDICTED NO EFFECT CONCENTRATION (PNEC)

Predicted no-effect concentration, aquatic organisms:	PNEC Freshwater mg/l	Marine PNEC mg/l	Intermittent PNEC mg/l
- Freshwater, marine environment and intermittent discharges:	-	-	-
4,5-dichloro-2-octyl-2H-isothiazol-3-one	-	-	-
Reaction mass of 5-chloro-2-methyl-2H-isothiazol-	-	-	-

3-one and 2-methyl-2H-isothiazol-3-one (3:1)	0.0022	0.00022	0.000122
2-octyl-2H-isothiazol-3-one			
Wastewater treatment plants (STP) and sediments in freshwater and marine water:	<u>PNEC STP</u>	<u>PNEC Sediments</u>	<u>PNEC Sediments</u>
	mg/l	mg/kg dw/d	mg/kg dw/d
4,5-dichloro-2-octyl-2H-isothiazol-3-one	-	-	-
Reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1)	-	-	-
2-octyl-2H-isothiazol-3-one	Mr	0.0475	0.00475
Predicted no-effect concentration, terrestrial organisms:	<u>PNEC Air</u>	<u>PNEC Soil</u>	<u>Oral PNEC</u>
	mg/m ³	mg/kg dw/d	mg/kg dw/d
- Air, ground and effects on predators and humans:			
4,5-dichloro-2-octyl-2H-isothiazol-3-one	-	-	-
Reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1)	-	-	-
2-octyl-2H-isothiazol-3-one	Mr	0.0082	n/b

(-) - PNEC not available (no REACH registration data).

n/b - Non-derived PNEC (no bioaccumulation potential).

s/r - PNEC not derived (no identified risk).

8.2 EXPOSURE CONTROLS

- **Technical measures:** Provide adequate ventilation. This requires good local ventilation and a good general extraction system. If these measures are not sufficient to keep the concentration of particles and vapors below the work exposure limits, appropriate respiratory equipment must be used.
- **Respiratory system protection:** Avoid inhalation of vapors.
- **Eye and face protection:** It is recommended that taps, fountains, or eyewash bottles containing clean water be provided near the area of use.
- **Hand and skin protection:** It is recommended that taps or fountains with clean water be available near the area of use. The use of protective creams can help protect exposed skin areas. Protective creams should not be applied after exposure.
- **Occupational exposure controls:** Regulation (EU) No. 2016/425: As a general health and safety measure for the workplace, the use of basic personal protective equipment (PPE) with the corresponding CE marking is recommended. For further information on personal protective equipment (storage, use, cleaning, maintenance, type and characteristics of PPE, protection class, marking, category, CEN standard, etc.), please consult the information leaflets provided by PPE manufacturers.

Mask : No.

Glasses : Safety glasses with side shields against liquid splashes (EN166). Clean daily and disinfect periodically according to the manufacturer's instructions.

Face shield : No.

Gloves : Chemical-resistant gloves (EN374). Where frequent or prolonged contact is likely to occur, gloves with a minimum recommended level of 5 or higher and a breakthrough time of > 240 min are recommended. Where only brief contact is expected, gloves with a protection level of 2 or higher, with a breakthrough time of > 30 min, are recommended. The breakthrough time of the selected gloves should be appropriate for the intended period of use. Several factors (e.g., temperature) mean that in practice, the working life of chemical-resistant protective gloves may be significantly shorter than that specified in EN374. Due to the wide variety of circumstances and possibilities, the glove manufacturer's instruction manual should be followed. Gloves should be replaced immediately if signs of degradation are observed.

- Boots** : No.
Apron : No.
Clothing : No.
- **Thermal hazards**: Not applicable (product is handled at room temperature).
 - **Environmental exposure controls**: Avoid any release into the environment. Avoid emissions into the atmosphere.
 - **Discharges to the ground**: Avoid soil contamination.
 - **Discharge into water**: The product must not be allowed to enter drains, sewers or waterways.
 - **Water Management Act**: This product does not contain any substances included in the list of priority substances in the field of water policy, according to Directive 2000/60/EC-2013/39/EU.
 - **Emissions to the atmosphere**: Due to volatility, emissions to the atmosphere may occur during handling and use. Avoid emissions to the atmosphere.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 INFORMATION ON BASIC PHYSICAL AND CHEMICAL PROPERTIES

- **Appearance**: Liquid.
 - **Color**: All colors.
 - **Odor**: Characteristic.
 - **Boiling range**: 100*- 255* °C at 760 mmHg
 - **Flash point**: 99*°C (Pensky-Martens)
 - **pH**: 8.2 ± 0.5 at 20 °C
 - **Dynamic viscosity**: 4400 ± 500 cps at 20 °C
 - **Solubility in water**: Miscible
 - **Vapor pressure**: 16.0518* mmHg at 20 °C
 - **Vapor pressure**: 11.0939* kPa at 50°C
 - **Density at 20/4 °C**: 1.22 ± 0.03 at 20/4 °C Relative water
- *Estimated values based on the substances that make up the mixture.*

9.2 OTHER INFORMATION

- **Information relating to physical hazard classes**
- No additional information available .
- **Other safety features**:
- **VOC (supply)**: 11.2% Weight
- **VOC (supply)**: 136.5 g/l
- **Non-volatile**: 55.50% Weight 1h. 60 °C
- The values indicated do not always match the product specifications. Data corresponding to the product specifications can be found in the product's data sheet. For further information on physicochemical properties related to safety and the environment, see sections 7 and 12.

SECTION 10: STABILITY AND REACTIVITY

10.1 REACTIVITY

- **Corrosiveness to metals**: Not corrosive to metals.
- **Pyrophoric properties**: It is not pyrophoric.

10.2 CHEMICAL STABILITY

- Stable under recommended storage and handling conditions.

10.3 POSSIBILITY OF HAZARDOUS REACTIONS

- **Possible hazardous reaction with agents:** reducers, oxidizers, acids, alkalis.

10.4 CONDITIONS TO AVOID

- **Heat:** Keep away from heat sources.
- **Light:** If possible, avoid direct sunlight.
- **Air:** The product is not affected by exposure to air, but it is recommended not to leave containers open.
- **Humidity:** Avoid extreme humidity conditions.
- **Pressure:** Not relevant.
- **Shocks:** The product is not sensitive to shocks, but as a general recommendation, bumps and rough handling should be avoided to prevent dents and breakage of containers and packaging, especially when handling the product in large quantities and during loading and unloading operations.

10.5 INCOMPATIBLE MATERIALS

- Keep away from reducing agents, oxidizing agents, acids, alkalis.

10.6 HAZARDOUS DECOMPOSITION PRODUCTS

- As a result of thermal decomposition, hazardous products may be formed: nitrogen oxides, sulfur oxides, hydrochloric acid, halogenated compounds.

SECTION 11: TOXICOLOGICAL INFORMATION

- No experimental toxicological data are available for the preparation itself. The toxicological classification of this mixture was carried out using the conventional calculation method of Regulation (EU) No 1272/2008 – 2022/692 (CLP).

11.1 INFORMATION ON HAZARD CLASSES AS DEFINED IN REGULATION (EC) NO 1272/2008

- **Acute toxicity:**
Lethal doses and concentrations of individual components:

Lethal doses and concentrations of individual components:	DL50 (OECD 401) mg/kg bw Oral	DL50 (OECD 402) mg/kg bw Cutaneous	CL50 (OECD 403) mg/m ³ ·4h Inhalation
4,5-dichloro-2-octyl-2H-isothiazol-3-one	756 Rat	680 Rat	>290 Rat
Reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1)	74.9 Rat	140 Rat	>1230 Rat
2-octyl-2H-isothiazol-3-one	125 Rat	311 Rat	>270 Rat

Acute toxicity estimates (ATE) of individual components:

Acute toxicity estimates (ATE) of individual components	ATE mg/kg bw Oral	ATE mg/kg bw Cutaneous	ATE mg/m ³ ·4h Inhalation
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4,5-dichloro-2-octyl-2H-isothiazol-3-one	*567	-	*290 Dusts or mists
Reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1)	74.9	140	*>50 Dusts or mists
2-octyl-2H-isothiazol-3-one	125	*311	*270 Dusts or mists

(*) - Point estimate of acute toxicity corresponding to the classification category (see GHS/CLP Table 3.1.2). These values are used to calculate the ATE for classification purposes of a mixture from its components and do not represent test results.

(-) - Components that are not expected to present acute toxicity at the upper threshold of category 4 for the corresponding exposure route are ignored.

No observed adverse effect level: Not available.

Lowest observed adverse effect level: Not available.

· **Information on possible routes of exposure:**

Routes of exposure	Acute toxicity	Cat.	Main effects, acute and/or delayed	Criterion
Inhalation: Not classified	ATE > 20000 mg/m ³	-	It is not classified as a product with acute inhalation toxicity (based on available data, the classification criteria are not met).	GHS/CLP 3.1.3.6.
Cutaneous: Not classified	ATE > 5000 mg/kg bw	-	It is not classified as a product with acute toxicity upon contact with skin (based on available data, the classification criteria are not met).	GHS/CLP 3.1.3.6.
Ocular: Not classified	Not available	-	It is not classified as a product with acute toxicity in contact with eyes (lack of data).	GHS/CLP 1.2.5.
Ingestion: Not classified	ATE > 5000 mg/kg bw	-	It is not classified as a product with acute toxicity if ingested (based on available data, the classification criteria are not met).	GHS/CLP 3.1.3.6.

GHS/CLP 3.1.3.6: Classification of the mixture based on its components (addition formula).

GHS/CLP 1.2.5: Classification of the mixture based on its components (supplementary hazard information).

· **Corrosion/irritation/sensitization:**

Hazard class	Affected organs	Cat.	Main effects, acute and/or delayed	Criterion
Respiratory corrosion/irritation: Not classified	-	-	It is not classified as a corrosive or irritating product by inhalation (based on available data, the classification criteria are not met).	GHS/CLP 1.2.6. 3.8.3.4.
Skin corrosion/irritation: Not classified	-	-	It is not classified as a corrosive or irritating product on contact with skin (based on available data, the classification criteria are not met).	GHS/CLP 3.2.3.3.
Serious eye injury/irritation: Not classified	-	-	It is not classified as a corrosive or irritating product on contact with eyes (based on available data, the classification criteria are not met).	GHS/CLP 3.3.3.3.
Respiratory sensitization: Not classified	-	-	It is not classified as an inhalation sensitizer (based on available data, the classification criteria are not met).	GHS/CLP 3.4.3.3.
Skin sensitization: Not classified	-	-	It is not classified as a skin sensitizer (based on available data, the classification criteria are not met).	GHS/CLP 3.4.3.3.

GHS/CLP 3.2.3.3: Classification of the mixture when data are available for all or only some of the components.

GHS/CLP 3.3.3.3: Classification of the mixture when data are available for all or only some of the components.

GHS/CLP 3.4.3.3: Classification of the mixture when data are available for all or only some of the components.

GHS/CLP 3.8.3.4: Classification of the mixture when data are available for all or only some of the components.

GHS/CLP 1.2.6: Classification of the mixture based on its components (supplementary hazard information).

· **Aspiration hazard :**

Hazard class	Affected organs	Cat.	Main effects, acute and/or delayed	Criterion
Aspiration hazard: Not classified	-	-	It is not classified as a hazardous product by aspiration (based on available data, the classification criteria are not met).	GHS/CLP 3.10.3.3

GHS/CLP 3.10.3.3: Classification of the mixture when data are available for all or only some of the components.

· **Specific target organ toxicity (STOT): single exposure (SE) and/or repeated exposure (RE):**

It is not classified as a product with specific toxicity in certain organs.

GHS/CLP 3.8.3.4: Classification of the mixture when data are available for all or only some of the components.

· **CMR Effects:**

Carcinogenic effects: It is not considered a carcinogen.

Genotoxicity: It is not considered a mutagenic product.

Reproductive toxicity: Does not impair fertility. Does not impair fetal development.

Effects via breastfeeding: It is not classified as a harmful product for children fed with breast milk.

· **Delayed, immediate and chronic effects of short and long-term exposure:**

Route of exposure: It can be absorbed by inhalation of vapor, through the skin and by ingestion.

Short-term exposure: Exposure to solvent vapor concentrations above the established occupational exposure limit may produce adverse health effects, such as irritation of the mucous membranes or respiratory system, as well as adverse effects on the kidneys, liver, and central nervous system. Splashes in the eyes may cause irritation and reversible damage. If ingested, it may cause throat irritation; other effects may be the same as those described for vapor exposure.

Prolonged or repeated exposure: Repeated or prolonged contact may cause the skin to defat, resulting in non-allergic contact dermatitis and absorption through the skin. Repeated exposure may cause skin dryness or cracking.

· **Interactive effects:** Not available.

· **Information on toxicokinetics, metabolism and distribution:**

Dermal absorption: Not available.

Basic toxicokinetics: Not available.

· **Additional information:** Not available.

11.2 INFORMATION ON OTHER HAZARDS

- **Endocrine disrupting properties:** This product does not contain substances with endocrine disrupting properties identified or under evaluation.
- **Other information:** No additional information available.

SECTION 12: ECOLOGICAL INFORMATION

- No experimental ecotoxicological data are available for this preparation as such. The ecotoxicological classification of this preparation was carried out using the conventional calculation method of Regulation (EC) No 1272/2008-2022/692 (CLP).

12.1 TOXICITY

- **Acute toxicity in aquatic environment of individual components:**

Acute toxicity in aquatic environment of individual components: 4,5-dichloro-2-octyl-2H-isothiazol-3-one Reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1) 2-octyl-2H-isothiazol-3-one	CL50 (OECD 203) mg/l-96 hours 0.0078 Fish 0.19 Fish 0.12 Fish	CE50 (OECD 202) mg/l-48 hours 0.0097 Daphnia 0.16 Daphnia 0.18 Daphnia	CE50 (OECD 201) mg/l-72 hours 0.025 Algae 0.037 Algae 0.15 Algae
No observed effect concentration Reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1) 2-octyl-2H-isothiazol-3-one)	NOEC (OECD 210) mg/l-28 days 0.02 Fish 0.022 Fish	NOEC (OECD 211) mg/l-21 days 0.011 Daphnia 0.035 Daphnia	NOEC (OECD 201) mg/l-72 hours 0.004 Algae 0.068 Algae

· **Lowest observed effect concentration:** Not available.

· **Assessment of aquatic toxicity:**

Aquatic toxicity	Cat.	Main effects, acute and/or delayed	Criterion
Acute aquatic toxicity: Not classified	-	It is not classified as a hazardous product with acute toxicity to aquatic organisms (based on available data, the classification criteria are not met).	GHS / CLP 4.1.3.5.5.3.
Chronic aquatic toxicity: Not classified	-	It is not classified as a hazardous product with chronic toxicity to aquatic organisms (based on available data, the classification criteria are not met).	GHS / CLP 4.1.3.5.5.4.

GHS/CLP 4.1.3.5.5.3: Classification of mixtures according to their acute toxicity, adding the classified components.

GHS/CLP 4.1.3.5.5.4: Classification of mixtures according to their chronic (long-term) hazard, adding the classified components.

12.2 PERSISTENCE AND DEGRADABILITY

· **Biodegradability:** Not readily biodegradable.

· **Aerobic biodegradability of individual components:**

Aerobic biodegradation of individual components:	COD mgO ₂ /g	%BOD/COD 5 days 14 days 28 days	Biodegradability
4,5-dichloro-2-octyl-2H-isothiazol-3-one		--- --- ---	Not easy
Reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1)		--- --- 55	Not easy

2-octyl-2H-isothiazol-3-one		-----	Not easy
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Note: Biodegradability data correspond to an average of data from bibliographic sources.

- **Hydrolysis:** Not available.
- **Photodegradability:** Not available.

12.3 BIOACCUMULATION POTENTIAL

- Not available.
- **Bioaccumulation of individual components:**

4,5-dichloro-2-octyl-2H-isothiazol-3-one

logPow: 3.59

BCF: 108.6 L/kg (calculated)

Potential: High

Reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1)

logPow: 0.75

BCF: 3.2 L/kg (calculated)

Potential: Unlikely, low

2-octyl-2H-isothiazol-3-one

logPow: 2.61

BCF: 19.2 L/kg (calculated)

Potential: Low

12.4 MOBILITY IN SOIL

- Not available.
- Reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1)

logPoc: 0.45

- Potential: Unlikely, low

2-octyl-2H-isothiazol-3-one

- logPoc: 2.26
- Henry's constant: 0.036 Pa·m³/mol 20°C (calculated)
- Potential: Low

12.5 RESULTS OF PBT AND MPMB ASSESSMENT

- Does not contain substances that meet PBT/vPvB criteria.

12.6 ENDOCRINE DISRUPTING PROPERTIES

- This product does not contain substances with endocrine disrupting properties identified or under evaluation in a concentration greater than 0.1% by weight.

12.7 OTHER ADVERSE EFFECTS

- **Ozone depletion potential:** Not available.

- **Photochemical ozone formation potential:** Not available.
- **Global warming potential:** Not available.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 WASTE TREATMENT METHODS

- Directive 2008/98/EC~ Regulation (EU) No 1357/2014 (Law 22/2011).
- Take all necessary measures to minimize the production of waste. Analyze possible recovery or recycling methods. Do not discharge into drains or the environment. Dispose of at an authorized waste collection point. Waste must be handled and disposed of in accordance with current local and national regulations. For exposure control and personal protection measures, see section 8.
- **Disposal of empty containers:** Directive 94/62/EC-2015/720/EU, Decision 2000/532/EC – 2014/955/EU (Law 11/1997, amended by RD.782/1998, RD.252/2006, RD.293/2018 and Law 22/2011, Order MAM/304/2002, Decision 2014/955/EU): Empty containers and packaging must be disposed of in accordance with current local and national legislation. The classification of containers as hazardous waste will depend on their degree of emptiness, with the holder of the waste being responsible for its classification, in accordance with Chapter 15 01 of Order MAM/304/2002, and its channelling to an appropriate final destination. The same measures as for the product should be taken with contaminated containers and packaging.
- **Procedure for neutralization or destruction of the product:** Controlled incineration in special chemical waste plants, but in accordance with local regulations.

SECTION 14: TRANSPORT INFORMATION

14.1 UN NUMBER OR ID NUMBER

- Not applicable.

14.2 UN PROPER SHIPPING NAME

- Not applicable.

14.3 TRANSPORT HAZARD CLASS(ES)

- **Road transport (ADR 2023) and rail transport (RID 2023):**
Not regulated.
- **Transport by sea (IMDG 41-22):**
Not regulated
- **Air transport (ICAO/IATA2021):**
Not regulated
- **Inland waterway transport (ADN):**
Not available.

14.4 PACKING GROUP

- Not regulated.

14.5 ENVIRONMENTAL HAZARDS

- Not applicable (not classified as environmentally hazardous).

14.6 SPECIAL PRECAUTIONS FOR USERS

- Ensure that people transporting the product know what to do in case of an accident or spill. Always transport in closed containers that are upright and secure. Ensure adequate ventilation .

14.7 BULK MARITIME TRANSPORT UNDER IMO INSTRUMENTS

- Not available.

SECTION 15: REGULATORY INFORMATION

15.1 SAFETY, HEALTH AND ENVIRONMENTAL REGULATIONS/LEGISLATION SPECIFIC FOR THE SUBSTANCE OR MIXTURE

- The regulations applicable to this product are generally mentioned throughout this safety data sheet.
- **Restrictions on manufacturing, marketing and use:** See section 1.2.
- **Tactile hazard warning:** Not applicable (classification criteria not met).
- **Child safety protection:** Not applicable (classification criteria not met).
- **Other legislation:**
Control of risks inherent in major accidents (Seveso III): See section 7.2.
Other local regulations: The recipient should check for any local regulations applicable to the chemical.

15.2 CHEMICAL SAFETY ASSESSMENT

- A chemical safety assessment has not been carried out for this mixture.

SECTION 16: OTHER INFORMATION

16.1. RELEVANT PHRASES

- **Hazard statements according to Regulation (EC) No 1272/2008-2021/849 (CLP), Annex III:**
- H301 Toxic if swallowed.
- H302 Harmful if swallowed.
- H310 Fatal in contact with skin.
- H311 Toxic in contact with skin.
- H314 Causes severe skin burns and eye damage.
- H317 May cause an allergic skin reaction.
- H318 Causes serious eye damage.
- H330 Fatal if inhaled.
- H400 Very toxic to aquatic life.
- H410 Very toxic to aquatic life with long lasting effects.
- EUH071 Corrosive to the respiratory tract.
- **Assessment of information on the hazard of mixtures:** See sections 9.1, 11.1 and 12.1.
- **Training advice:** It is recommended that personnel handling this product undergo basic training in occupational risk prevention to facilitate understanding and interpretation of safety data sheets and product labeling.
- **Main bibliographic references and data sources:**
European Chemical Agency: ECHA. <http://echa.europa.eu/>
Access to European Union law: <http://eur-lex.europa.eu/>
Industrial Solvents Handbook, Ibert Mellan (Noyes Data Co., 1970).
Professional exposure limits for Chemical Agents in Spain (INSHT, 2022).
European Agreement concerning the International Carriage of Dangerous Goods by Road (ADR , 2021).
International Maritime Dangerous Goods Code IMDG Including Amendment 37-14 (IMO,2018).
- **Abbreviations and acronyms:** List of abbreviations and acronyms that could be used (but are not necessarily used) in this safety data sheet:
REACH: Regulation concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals.

GHS: United Nations Globally Harmonized System of Classification and Labeling of Chemicals.

CLP: European Regulation on Classification, Packaging and Labelling of Chemical Substances and Mixtures.

EINECS: European Inventory of Existing Commercial Chemical Substances.

ELINCS: European List of Notified Chemical Substances.

CAS: Chemical Abstracts Service (Division of the American Chemical Society).

UVCB: Substances of variable or unknown composition, complex reaction products or biological materials.

SVHC: Substances of Very High Concern.

PBT: Persistent, bioaccumulative and toxic substances.

vPvB: Very persistent and very bioaccumulative substances.

VOC: Volatile Organic Compounds.

DNEL: Derived No Effect Level (REACH).

PNEC: Predicted No Effect Concentration (REACH).

LD50: Lethal dose, 50 percent.

LC50: Lethal concentration, 50 percent.

UN: United Nations Organization.

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road.

RID: Regulations concerning the international transport of dangerous goods by rail.

IMDG: International Maritime Dangerous Goods Code.

IATA: International Air Transport Association.

ICAO: International Civil Aviation Organization.

· **Safety Data Sheet Legislation:** Safety data sheet in accordance with Article 31 of Regulation (EC) No 1907/2006 (REACH) and the Annex to Regulation (EU) No 2020/878.

Historical:

Revision 01: 01/14/2025

The information in this safety data sheet is based on current knowledge and current EU and national laws, as the user's working conditions are beyond our knowledge and control. The product should not be used for purposes other than those specified without first receiving written instructions for its use. It is always the user's responsibility to take appropriate measures to comply with the requirements established by current legislation. The information contained in this safety data sheet merely describes the product's safety requirements and should not be considered as a guarantee of its properties.