

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

1.1 PRODUCT IDENTIFIER

- Trade name : SATIN FLEXIBLE PAINT
- **Article Codes , Trade Name and EAN:**

Code	Trade Name	EAN
5656	Flexible Paint - 240 ml - Black	8435646530161
5657	Flexible Paint - 240 ml - White	8435646530178
5658	Flexible Paint - 240 ml - Red	8435646530185
5659	Flexible Paint - 240 ml - Magenta	8435646530192
5660	Flexible Paint - 240 ml - Blue	8435646530208
5661	Flexible Paint - 240 ml – Cobalt Blue	8435646530215
5662	Flexible Paint - 240 ml - Warm Green	8435646530222
5663	Flexible Paint - 240 ml – Cool Green	8435646530239
5664	Flexible Paint - 240 ml - Orange	8435646530246
5665	Flexible Paint - 240 ml - Olive Green	8435646530253
5666	Flexible Paint - 240 ml - Yellow	8435646530260
5667	Flexible Paint - 240 ml - Warm Yellow	8435646530277
5668	Flexible Paint - 240 ml - Pink	8435646530284
5669	Flexible Paint - 240 ml - Purple	8435646530291
5670	Flexible Paint - 240 ml - Violet	8435646530307
5671	Flexible Paint - 240 ml - Ochre	8435646530314
5672	Flexible Paint - 240 ml - Brown	8435646530321
5673	Flexible Paint - 240 ml - Brown Reddish	8435646530338
5674	Flexible Paint - 240 ml - Dark Brown	8435646530345
5675	Flexible Paint - 240 ml – Ivory	8435646530352
5676	Flexible Paint - 240 ml – Grey	8435646530369

- **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 (SU21) and Professional (SU22)
- **Uses advised against:** This product is not recommended for any industrial, professional or consumer use or sector other than those listed above as 'Intended or identified uses'.
- **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 professional hulpverleners inform you acutely upsetting
- 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

- The classification of mixtures is carried out according to the following principles:
 - a) when data (tests) are available for the classification of mixtures, it is generally carried out on the basis of these data,
 - b) in the absence of data (evidence) for mixtures, interpolation or extrapolation methods are generally used to assess risk, using available classification data for similar mixtures, and
 - c) In the absence of evidence and information that would allow interpolation or extrapolation techniques to be applied, methods are used to classify the risk assessment based on data from the individual components in the mixture.
- **Classification according to Regulation (EC) No 1272/2008 – 2021/849 (CLP):**
Aquatic Chronic 3:H412
- The full text of the hazard statements and risk phrases mentioned is given in section 16.
- **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.

2.2 LABEL ELEMENTS

- The product is labeled with the signal word ATTENTION according to Regulation (EC) No 1272/2008 – 2021/849 (CLP).

HAZARD STATEMENTS

- H412 Harmful to aquatic life with long-lasting effects.

CAUTIONARY ADVICE

- P101 If medical advice is needed, have product container or label at hand.
- P102 Keep out of reach of children.
- P103 Read the label before use.
- P273-P501 Avoid release to the environment. Dispose of contents/container in accordance with local regulations.

ADDITIONAL INFORMATION

- EUH208: Contains Bis(12266-pentamethyl-4-piperidinyl) sebacate , Hydroxyphenylbenzotriazole derivative , Reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1), Azo dye, Acid Red 1. May cause an allergic reaction.
- In case of an accident, consult the Toxicology Information Medical Service. Telephone: +34 915620420.

HAZARDOUS COMPONENTS

- 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.

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:

Hydroxyphenylbenzotriazole derivative

C < 0.5%

CAS: 104810-47-1

EC: 400-830-7

CLP: Attention: Skin Sens . 1B:H317 | Aquatic Chronic 2:H411

CLP000



Sebacate bis(12266-pentamethyl-4-piperidinyl)

0.1 < C < 0.2%

CAS: 41556-26-7

EC: 255-437-1

CLP: Attention: Skin Sens . 1B:H317 | Aquatic Acute 1:H400 | Aquatic Chronic 1:H410

Notified



Reaction mass 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

REACH: Exempt (biocide)

ATP13

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)



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%

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 .

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 unconscious people. First responders should pay attention to their own protection and use the recommended personal protective equipment if there is a possibility of exposure. Wear protective gloves when administering first aid.

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	Symptoms are not expected to occur under normal conditions of use.	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	Symptoms are not expected to occur under normal conditions of use.	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 IMMEDIATE 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: In the event of a fire in the surrounding area, all extinguishing agents are permitted.

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

- Avoid direct contact with the product.

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 REFERENCE 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:** Avoid all spills or leaks. Do not leave containers open.
- **Recommendations for preventing fire and explosion risks:** The product is not susceptible to ignition, deflagration, or explosion, and does not sustain combustion due to the oxygen supplied by the ambient air in which it is located. Therefore, it is not included in the scope of Directive 2014/34/EU (RD.144/2016) relating to equipment and protection systems for use in potentially explosive atmospheres. The provisions of ITC MIE BT-29 relating to specific requirements for electrical installations in premises at risk of fire or explosion are also not applicable.
- **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.
- Warehouse class:** According to current regulations
- Maximum stock time:** 2 years.
- Temperature range:** min.: 5°C, max.: 40°C (recommended).
- Incompatible materials:** Keep away from oxidizing agents, acids, alkalis, peroxides.
- 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):** Not established
- 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.

No-effect level, workers: - Systemic, acute and chronic effects: Reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1) Hydroxyphenylbenzotriazole derivative Sebacate bis(12266-pentamethyl-4-piperidinyI)	<u>DNEL Inhalation</u> mg/m ³ - (a) - (c) - (a) 0.398 (c) - (a) - (c)	<u>Cutaneous DNEL</u> mg/kg bw /d - (a) - (c) - (a) 0.25 (c) - (a) - (c)	<u>Oral DNEL</u> mg/kg bw /d - (a) - (c) - (a) - (c) - (a) - (c)
No-effect level, workers: - Local, acute and chronic effects: Reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1) Hydroxyphenylbenzotriazole derivative Sebacate bis(12266-pentamethyl-4-piperidinyI)	<u>DNEL Inhalation</u> mg/m ³ - (a) - (c) - (a) - (c) - (a) - (c)	<u>Cutaneous DNEL</u> mg/cm ² - (a) - (c) - (a) - (c) - (a) - (c)	<u>DNEL Eyes</u> mg/cm ² - (a) - (c) s/r (a) - (c) - (a) - (c)
No-effect level, general population:	<u>DNEL Inhalation</u>	<u>Cutaneous DNEL</u>	<u>Oral DNEL</u>

- Systemic, acute and chronic effects: Reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1) Hydroxyphenylbenzotriazole derivative Sebacate bis(12266-pentamethyl-4-piperidinyI)	mg/m ³ - (a) - (c) - (a) 0.099 (c) - (a) - (c)	mg/cm ² - (a) - (c) - (a) 0.025 (c) - (a) - (c)	mg/kg bw /d - (a) - (c) s/r (a) 0.025 (c) - (a) - (c)
No-effect level, general population: - Local, acute and chronic effects: Reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1) Hydroxyphenylbenzotriazole derivative Sebacate bis(12266-pentamethyl-4-piperidinyI)	<u>DNEL Inhalation</u> mg/m ³ - (a) - (c) - (a) - (c) - (a) - (c)	<u>Cutaneous DNEL</u> mg/cm ² - (a) - (c) - (a) - (c) - (a) - (c)	<u>DNEL Eyes</u> mg/cm ² - (a) - (c) - (a) - (c) - (a) - (c)

(a) – Acute, short-term exposure.

(c) – Chronic, prolonged or repeated exposure.

(-) – DNEL not available (no REACH registration data).

s/r – Non-derived DNEL (no identified risk).

PREDICTED NO EFFECT CONCENTRATION (PNEC)

Predicted no-effect concentration, aquatic organisms: - Freshwater, marine environment and intermittent discharges: Hydroxyphenylbenzotriazole derivative	<u>PNEC Freshwater</u> mg/l 0.023	<u>Marine PNEC</u> mg/l 0.023	<u>Intermittent PNEC</u> mg/l 0.023
Wastewater treatment plants (STP) and sediments in freshwater and marine water: Hydroxyphenylbenzotriazole derivative	<u>PNEC STP</u> mg/l 100	<u>PNEC Sediments</u> mg/kg dw /d 7.26	<u>PNEC Sediments</u> mg/kg dw /d 0.726
Predicted no-effect concentration, terrestrial organisms: - Air, ground and effects on predators and humans: Hydroxyphenylbenzotriazole derivative	<u>PNEC Air</u> mg/m ³ Mr	<u>PNEC Soil</u> mg/kg dw /d 14.52	<u>Oral PNEC</u> mg/kg dw /d n/b

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 exhaust system.
- **Respiratory system protection:** Not applicable.
- **Eye and face protection:** It is recommended that taps or fountains with clean water be available near the area of use.
- **Hand and skin protection:** It is recommended to have taps or fountains with clean water near the area of use.
- **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: Recommended. 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 protection level 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 discharge into the environment.
- **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:** Not applicable.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 INFORMATION ON BASIC PHYSICAL AND CHEMICAL PROPERTIES

- **Appearance:** Liquid.
- **Color:** All colors.
- **Odor:** Characteristic.
- **Initial boiling point:** > 100* °C at 760 mmHg
- **Flash point:** Non-flammable
- **pH:** 5.5 ± 1 at 20°C
- **Viscosity:** 2800 ± 1200 cps at 20°C
- **Solubility in water:** Miscible.
- **Liposolubility:** Not applicable (inorganic product).
- **Partition coefficient:** n- octanol /water: Not applicable (mixture).
- **Evaporation rate:** Not available (lack of data).
- **Relative density:** 1.070 ± 0.04 at 20/4°C Relative to water
- **Relative vapor density:** Not available.
- **Particle size:** Not applicable.
- **Explosive properties:**
Not available.
- **Combustible properties:**
Not classified as a oxidising product.

**Estimated values based on the substances that make up the mixture.*

9.2 OTHER INFORMATION

Information regarding physical hazard classes:

No additional information available .

Other safety features:

Non-volatile: 34.42 * % 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:** oxidizers, acids, alkalis, peroxides.

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.
- **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 oxidizing agents, acids, alkalis, peroxides.

10.6 HAZARDOUS DECOMPOSITION PRODUCTS

- As a result of thermal decomposition, hazardous products may be formed: nitrogen oxides, hydrochloric acid, sulfur oxides, 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 (EC) No 1272/2008 – 2021/849 (CLP).

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

- **Acute toxicity:**

Lethal doses and concentrations of individual components:

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

LD50 Oral 74.9 mg/Kg bw (Rat) (OECD 401)

LD50 Dermal 140 mg/Kg bw (Rat) (OECD 402)

LC50 Inhalation >1230 mg/m³.4h (Rat) (OECD 403)

Hydroxyphenylbenzotriazole derivative

LD50 Oral >2000 mg/Kg bw (Rat) (OECD 401)
LD50 Dermal >2000 mg/Kg bw (Rat) (OECD 402)
LC50 Inhalation >5800 mg/m³.4h (Rat) (OECD 403)

Sebacate bis(12266-pentamethyl-4-piperidinyI)
LD50 Oral >2000 mg/Kg bw (Rat) (OECD 401)
LD50 Dermal >2000 mg/Kg bw (Rat) (OECD 402)

Acute toxicity estimates (ATE) of individual components:

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

Oral ATE: 74.9 mg/kg
Cutaneous ATE: 140 mg/kg
ATE inhalation: >50 mg/m³ (4h) dusts or mists

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:**

Via exhibition Not available.

Short-term exposure: May irritate eyes and skin.

Prolonged or repeated exposure: Not available.

· **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

- 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 1272/2008-2021/849 (CLP).

12.1 TOXICITY

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

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

LC50: 0.19 mg/l. (96 hours, fish) (OECD203)

EC50: 0.16 mg/l (48 hours, Daphnia) (OECD202)

EC50: 0.037 mg/l (72 hours, Algae) (OECD201)

Hydroxyphenylbenzotriazole derivative

LC50: 2.8 mg/l. (96 hours, fish) (OECD203)
EC50: 3.8 mg/l (48 hours, Daphnia) (OECD202)
EC50: 9 mg/l (72 hours, Algae) (OECD201)

Sebacate bis(12266-pentamethyl-4-piperidinyI)

LC50 0.97 mg/l. (96 hours, fish) (OECD203)
EC50: 20 mg/l (48 hours, Daphnia) (OECD202)


· **No observed effect concentration:**

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

NOEC: 0.020 mg/l (28 days, fish) (OECD210)
NOEC: 0.011 mg/l (21 days, Daphnia) (OECD211)
NOEC: 0.004 mg/l (72 hours, Algae) (OECD201)

· **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: 	Cat. 3	HARMFUL: Harmful to aquatic life with long lasting effects.	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 available.

· **Aerobic biodegradability of individual components:**

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

%BOD/COD: 55 (28 days)

Biodegradability: Not easy

Hydroxyphenylbenzotriazole derivative

COD mgO₂/g: 1840

%BOD/COD: 12 (28 days)

Biodegradability: Not easy

Sebacate bis(12266-pentamethyl-4-piperidinyI)

Biodegradability: Not easy

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:**

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

logPow : 0.750

BCF: 3.2 L/kg (calculated)
Potential: Unlikely, low

Hydroxyphenylbenzotriazole derivative
Potential: Not bioaccumulative

Sebacate bis(12266-pentamethyl-4-piperidinyI)
logPow : 2.37
Potential: Not available

12.4 MOBILITY IN SOIL

- Not available.

Mobility of individual components:

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

Log Poc : 0.450

Potential: Unlikely, low

12.5 RESULTS OF PBT AND MPMB ASSESSMENT

- vPvB criteria .

12.6 ENDOCRINE DISRUPTING PROPERTIES

- This product does not contain substances with endocrine disrupting properties identified or under evaluation.

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: TRANSPORTATION 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/IATA 2021):**
- Not regulated
- **Inland waterway transport (ADN):**
- Not regulated.

14.4 PACKING GROUP

- Not regulated

14.5 ENVIRONMENTAL HAZARDS

- Not applicable (not classified as environmentally hazardous).

14.6 SPECIAL PRECAUTIONS FOR USER

- Ensure that the 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.

14.7 MARITIME TRANSPORT IN BULK ACCORDING TO IMO INSTRUMENTS

- Not applicable.

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.
H310: Fatal 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.
H411: Toxic to aquatic life with long-lasting effects.
H412: Harmful to aquatic life with long-lasting effects.
EUH071: Corrosive to the respiratory tract.

Notes related to the identification, classification and labeling of substances:

Note B: Certain substances (acids, bases, etc.) are marketed as aqueous solutions in different concentrations and therefore require different classification and labelling, as the hazards they present vary depending on the different concentrations.

In Part 3, entries with a grade of B have a general designation such as "nitric acid...". In this case, the manufacturer must indicate the percentage concentration of the solution on the label. Percentage concentrations are always understood as weight/weight, unless explicitly stated otherwise.

- **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: 11/15/2024

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.