# SAFETY DATA SHEET

Envirograf®
Protecting the irreplaceable

**HS084 - FR WALLPAPER ADHESIVE - 02-2026**

## PRODUCT NUMBER: 84
## FR WALLPAPER ADHESIVE

**UFI : 99A0-20H4-N005-F1W5**

**Description:**

Low viscosity polymer adhesive formulated for hanging luxury wall covering.
This product will prevent the wallpaper from

This product comprises of the following materials and therefore is supported by Health & Safety Data Sheets:

- (Appendix 79) FR WALLPAPER ADHESIVE

*The information contained in this safety data sheet is given in good faith. It is accurate to the best of our knowledge and belief and represents the most up to date information. The information given in this data sheet does not constitute or replace the user's own assessment of workplace risk as required by other health and safety legislation.

# SAFETY DATA SHEET

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**HS084 - FR WALLPAPER ADHESIVE - 02-2026**

## 01 - IDENTIFICATION OF THE PREPARATION AND COMPANY

| | |
|---|---|
| **1.1 PRODUCT NAME** | FR WALLPAPER ADHESIVE |
| **TRADE NAME** | FR FIRE-RESISTANT WALLPAPER PASTE |
| **1.2 RELEVANT IDENTIFIED USES OF THE SUBSTANCE OR MIXTURE** | ADHESIVE FORMULATED FOR HANGING LUXURY WALL COVERING. THIS PRODUCT WILL PREVENT THE WALLPAPER FROM BURNING. |
| **1.3 MANUFACTURER / SUPPLIER** | INTUMESCENT SYSTEMS LTD - ENVIROGRAF |
| **ADDRESS** | Envirograf House, Barfrestone, Dover, Kent CT15 7JG, UK |
| **TELEPHONE/FAX/EMAIL** | 01304 842555 01304 842666 sales@envirograf.com |
| **EMERGENCY PHONE NUMBER** | 01304 842555 (Monday to Friday 08:30 - 17:30) |

## 02 - HAZARDS IDENTIFICATIONS

### 2.1 CLASSIFICATION OF THE SUBSTANCE OR MIXTURE

Classification (REGULATION (EC) No 1272/2008)

| | |
|---|---|
| Acute toxicity, Cat. 4 | H302: Harmful if swallowed |
| Skin sens. Cat. 1A | H317: May cause an allergic reaction |

### 2.2 LABEL ELEMENTS

**Hazard pictogram:**

EUH 208: Contains 1,2-benzisothiazol-3(2H)-one, 2-methylisothiazol-3(2h)-one and Reaction mass of 5-chloro-2-methyl-4-isothiazolin-3-one and 2-methylisothiazole-3(2h)-one (3:1).. May produce an allergic reaction.

**Signal Word:**

**VOC Content:** : This product contains 0.2g/l VOC.

**Hazard statements:**

H301 + H311: Toxic if swallowed or in contact with skin.
H302: Harmful if swallowed.
H310: Fatal in contact with skin.
H314: Causes severe skin burns and eye damage.
H315: Causes skin irritation.
H317: May cause an allergic skin reaction.
H318: Causes serious eye damage.
H319: Causes serious eye irritation.
H330: Fatal if inhaled.
H332: Harmful if inhaled.
H341: Suspected of causing genetic defects.
H400: Very toxic to aquatic life.
H410: Very toxic to aquatic life with long lasting effects.

**Precautionary statements:**

P264: Wash hands thouroughly after handling.
P270: Do not eat, drink or smoke when using this product.
P261: Avoid breathing dust/fume/gas/mist/vapours/spray.

**Response:**

P301+ P312: IF SWALLOWED: call a POISON CENTRE/ doctor/... if you feel unwell.

P302+P352: IF ON SKIN: wash with plenty of water/...

P333+P313: IF SKIN irritation or rash occurs: get medical advice/attention.

**Disposal:**

P501: Dispose of contents/container to an approved waste disposal plant.

**2.3 Other hazards**

No other information.

## 03 - COMPOSITION / INFORMATION ON INGREDIENTS

**Chemical characterization:** Acrylic emulsion based adhesive.

| Chemical name | CAS no. / EINECS no. / REACH ID: | % | Classification | Specific concentration range, M-factor, estimated acute toxicity |
|---|---|---|---|---|
| **Glyoxal** | CAS 107-22-2<br>EC 203-474-9<br>01-2119461733-37 | < 0.000033 | **H315** (Skin irrit. 2), **H317** (Skin Sens. 1), **H319** (Eye irrit. 2), **H332** (Acute inhal. 4), **H341** (Cat. 2) | |
| **1,2-benzisothiazol-3(2H)-one** | CAS 2634-33-5<br>EC 220-120-9<br>01-2120761540-60 | < 0.0274 | **H302** (Cat. 4), **H315** (Cat. 2), **H317** (Skin Sens. 1), **H318** (Cat. 1), **H330** (Cat. 2), **H400** (Cat. 1) and **H410** (Cat. 1) | Skin Sens. 1; H317: C ≥ 0.05 % |
| **2-methylisothiazol-3(2H)-one** | CAS 2682-20-4<br>EC 220-239-6<br>01-2120764690-50 | < 0.0011 | **H301** (Cat. 3), **H311** (Cat. 3), **H314** (Cat. 1B), **H317** (Skin Sens. 1A), **H318** (Cat. 1), **H330** (Cat. 2), **H400** (Cat. 1), **H410** (Cat. 1) | Skin Sens. 1A; H317: C ≥ 0.0015 %<br>M=10<br>M(Chronic)=1 |
| **Reaction mass of 5-chloro-2-methyl-4-isothiazolin-3-one and 2-methylisothiazol-3(2H)-one (3:1)** | CAS 55965-84-9<br>EC 911-418-6<br>01-2120764690-48 | < 0.0011 | **H300** (Cat. 3), **H310** (Cat. 2), **H314** (Cat. 1C), **H317** (Skin Sens. 1A), **H318** (Cat. 1), **H330** (Cat. 2), **H400** (Cat. 1) and **H410** (Cat. 1) | Skin Irrit. 2; : 0.06 % ≤ C < 0.6 %<br>Eye Irrit. 2; : 0.06 % ≤ C < 0.6 %<br>Eye Dam. 1; : C ≥ 0.6 %<br>Skin Sens. 1A; : C ≥ .0015 %<br>Skin Corr. 1C; : C ≥ 0.6 %<br>M=100, M(Chronic) = 100 |

## 04 - FIRST-AID MEASURES

### 4.1 Description of first-aid measures

General advice
: Get general attention if symptoms occur.
: Show this safety data sheet to the doctor in attendance.

If inhaled
: Remove person to fresh air. If signs/symptoms continue, get medical attention.

In case of skin contact
: Wash off immediately with soap and plenty of water.
: Remove contaminated clothing. If irritation develops, get medical attention.
: Wash contaminated clothing before reuse.

In case of eye contact
: Rinse with plenty of water.

If swallowed
: If accidentally swallowed obtain immediate medical attention.

### 4.2 Most important symptoms and effect, both acute and delayed

Symptoms
: Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhoea.
: Repeated or prolonged exposure may cause irritation of eyes and skin.

### 4.3 Indication of immediate medical attention and special treatment, if needed

No data available.

## 05 - FIRE-FIGHTING MEASURES

### 5.1 Extinguishing media

| | |
|---|---|
| Suitable extinguishing media | : Not combustible.<br>: Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. |
| Unsuitable extinguishing media | : No information available. |

### 5.2 Special hazards arising from the substance or mixture

| | |
|---|---|
| Specific hazards during firefighting | : The pressure in sealed containers can increase under the influence of heat. |

### 5.3 Advice for firefighters

| | |
|---|---|
| Special protective equipment for firefighters | : Use personal protective equipment. |
| Further information | : The product itself does not burn.<br>: Prevent fire extinguishing water from contaminating surface water or the ground water system.<br>: Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations. |

## 06 - ACCIDENTAL RELEASE MEASURES

### 6.1 Personal precautions, protective equipment and emergency procedures

| | |
|---|---|
| Personal precautions | : Use personal protective equipment. |

### 6.2 Environmental precautions

| | |
|---|---|
| Environmental precautions | : The product should not be allowed to enter drains, water courses or the soil. |

### 6.3 Methods and material for containment and cleaning up

| | |
|---|---|
| Methods for cleaning up | : Scrape up excess and dispose of in accordance with local regulations. |

### 6.4 Reference to other sections

For personal protection see sections 8 and 11.

## 07 - HANDLING AND STORAGE

### 7.1 Precautions for safe handling

| | |
|---|---|
| Advice on safe handling | : Wear personal protection equipment.<br>: For personal protection see section 8.<br>: Smoking, eating and drinking should be prohibited in the application area. |
| Hygiene measures | : When using do not eat, drink or smoke. |

### 7.2 Conditions for safe storage, including any incompatibilities

| | |
|---|---|
| Requirements for storage areas and containers | : Store in original closed container.<br>: Store in closed containers between + 5°C and + 30°C in dry conditions.<br>: Avoid extremes of temperature. Protect from freezing |

## 08 - EXPOSURE CONTROLS / PERSONAL PROTECTION

**8.1 Control parameters**

Components with workplace control parameters, below limit for consideration.

**8.2 Exposure controls**

Engineering measures : Ensure adequate ventilation, especially in confined areas.

Personal protection equipment:

Eyes protection : Safety glasses with side-shields conforming to EN166

Hand protection : Material – nitrile rubber.
: Break through time – 480min.
: Glove thickness – 0.1 – 0.4mm

Remarks : Protective gloves complying with EN374. Gloves should be discarded and replaced if there is any indication of degradation or chemical breakthrough.

Skin and body protection Wearing of closed work clothing is recommended.

Respiratory protection : Mask were appropriate.

Protective measures : Ensure the eye flushing systems and safety showers are located close to the working place.

Environmental exposure controls : General advice: This product should not be allowed to enter drains, water courses or the drains.

## 09 - PHYSICAL AND CHEMICAL PROPERTIES

**9.1 Information on basic physical and chemical properties**

| | | | |
|---|---|---|---|
| Colour | White | **Explosive properties** | Not applicable |
| Form | White Gel. | **Vapour pressure** | Not applicable |
| Odour | Slight | **Bulk density** | 0.99 to 1.09 g/cm³ |
| pH as supplied | 6.2-8.2 | **Viscosity range** | 20 to 80 Ps |
| **Boiling point/range** | Not determined | **Kinematic viscosity** | Not established |
| **Freezing point/range** | Not determined | **Solubility** | Not established |
| **Flash point** | Not applicable | **Water solubility** | Miscible |
| **Flammability (solid, gas)** | Not self-igniting | **Partition coefficient (n-octanol/water)** | Not determined |
| **Autoignition temperature** | Not applicable | | |

**9.2 Other information** : - Not applicable

## 10 - STABILITY AND REACTIVITY

**10.1 Stability** : Stable under normal conditions.

**10.2 Materials and Conditions to avoid** : Avoid extremes of temperature especially frost and freezing conditions.

**10.3 Hazardous decomposition products** : No decomposition if stored and applied as directed.

## 11 - TOXICOLOGICAL INFORMATION

**11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008.**

**Acute toxicity**

| Component | | Acute oral toxicity | Acute inhalation toxicity | Acute dermal toxicity |
|---|---|---|---|---|
| **Glyoxal** | CAS 107-22-2<br>EC 203-474-9 | LD50 Oral (Rat): 200 mg/kg<br>Method: No information available. | LC50 (Rat): 2.44 mg/l<br>Exposure time: 4 h<br>Method: OECD 403 | No data available. |
| **1,2-benzisothiazol-3(2H)-one** | CAS 2634-33-5<br>EC 220-120-9 | No data available. | No data available. | No data available. |
| **2-methylisothiazol-3(2H)-one** | CAS 2682-20-4<br>EC 220-239-6 | No data available. | No data available. | No data available. |
| **Reaction mass of 5-chloro-2-methyl-4-isothiazolin-3-one and 2-methylisothiazol-3(2H)-one (3:1)** | CAS 55965-84-9<br>EC 911-418-6 | LD50 Oral (Rat): 64 mg/kg<br>Method: No information available. | LC50 (Rat): 0.33 mg/l<br>Exposure time: 4 h<br>Method: OECD 403 | LD50 (Rabbit): 87.12 mg/Kg Method: No Information available |

**Skin corrosion/irritation**

| | | |
|---|---|---|
| **Glyoxal** | CAS 107-22-2<br>EC 203-474-9 | No data available. |
| **1,2-benzisothiazol-3(2H)-one** | CAS 2634-33-5<br>EC 220-120-9 | No data available. |
| **2-methylisothiazol-3(2H)-one** | CAS 2682-20-4<br>EC 220-239-6 | No data available. |
| **Reaction mass of 5-chloro-2-methyl-4-isothiazolin-3-one and 2-methylisothiazol-3(2H)-one (3:1)** | CAS 55965-84-9<br>EC 911-418-6 | Species: Rabbit<br>OECD Test Guideline 404<br>Corrosive to skin |

**Serious eye damage/eye irritation**

| | | |
|---|---|---|
| **Glyoxal** | CAS 107-22-2<br>EC 203-474-9 | No data available. |
| **1,2-benzisothiazol-3(2H)-one** | CAS 2634-33-5<br>EC 220-120-9 | No data available. |
| **2-methylisothiazol-3(2H)-one** | CAS 2682-20-4<br>EC 220-239-6 | No data available. |
| **Reaction mass of 5-chloro-2-methyl-4-isothiazolin-3-one and 2-methylisothiazol-3(2H)-one (3:1)** | CAS 55965-84-9<br>EC 911-418-6 | Species: Rabbit<br>Method: No information available.<br>Remarks: Corrosive to eyes. |

**Respiratory or skin sensitisation**

| | | |
|---|---|---|
| **Glyoxal** | CAS 107-22-2<br>EC 203-474-9 | No data available. |
| **1,2-benzisothiazol-3(2H)-one** | CAS 2634-33-5<br>EC 220-120-9 | No data available. |
| **2-methylisothiazol-3(2H)-one** | CAS 2682-20-4<br>EC 220-239-6 | No data available. |
| **Reaction mass of 5-chloro-2-methyl-4-isothiazolin-3-one and 2-methylisothiazol-3(2H)-one (3:1)** | CAS 26172-55-4<br>EC 247-500-7 | Species: Mouse<br>Exposure time: no data available.<br>Remarks: Causes sensitisation. |

**Germ cell mutagenicity**

| | | |
|---|---|---|
| **Glyoxal** | CAS 107-22-2<br>EC 203-474-9 | Genotoxicity in vitro: No data available. |
| **1,2-benzisothiazol-3(2H)-one** | CAS 2634-33-5<br>EC 220-120-9 | Genotoxicity in vitro: No data available. |
| **2-methylisothiazol-3(2H)-one** | CAS 2682-20-4<br>EC 220-239-6 | Genotoxicity in vitro: No data available. |
| **Reaction mass of 5-chloro-2-methyl-4-isothiazolin-3-one and 2-methylisothiazol-3(2H)-one (3:1)** | CAS 55965-84-9<br>EC 911-418-6 | Remarks: In vitro tests did not show mutagenic effects. |

**Carcinogenicity**

| | | |
|---|---|---|
| **Glyoxal** | CAS 107-22-2<br>EC 203-474-9 | No data available. |
| **1,2-benzisothiazol-3(2H)-one** | CAS 2634-33-5<br>EC 220-120-9 | No data available. |
| **2-methylisothiazol-3(2H)-one** | CAS 2682-20-4<br>EC 220-239-6 | No data available. |
| **Reaction mass of 5-chloro-2-methyl-4-isothiazolin-3-one and 2-methylisothiazol-3(2H)-one (3:1)** | CAS 55965-84-9<br>EC 911-418-6 | No data available. |

**Reproductive toxicity**

| | | |
|---|---|---|
| **Glyoxal** | CAS 107-22-2<br>EC 203-474-9 | No data available. |
| **1,2-benzisothiazol-3(2H)-one** | CAS 2634-33-5<br>EC 220-120-9 | No data available. |

| | | |
|---|---|---|
| **2-methylisothiazol-3(2H)-one** | CAS 2682-20-4<br>EC 220-239-6 | No data available. |
| **Reaction mass of 5-chloro-2-methyl-4-isothiazolin-3-one and 2-methylisothiazol-3(2H)-one (3:1)** | CAS 55965-84-9<br>EC 911-418-6 | No data available. |

**STOT - single exposure**

| | | |
|---|---|---|
| **Glyoxal** | CAS 107-22-2<br>EC 203-474-9 | May cause respiratory irritation |
| **1,2-benzisothiazol-3(2H)-one** | CAS 2634-33-5<br>EC 220-120-9 | No data available. |
| **2-methylisothiazol-3(2H)-one** | CAS 2682-20-4<br>EC 220-239-6 | No data available. |
| **Reaction mass of 5-chloro-2-methyl-4-isothiazolin-3-one and 2-methylisothiazol-3(2H)-one (3:1)** | CAS 55965-84-9<br>EC 911-418-6 | No data available. |

**STOT – repeated exposure**

| | | |
|---|---|---|
| **Glyoxal** | CAS 107-22-2<br>EC 203-474-9 | May cause respiratory irritation |
| **1,2-benzisothiazol-3(2H)-one** | CAS 2634-33-5<br>EC 220-120-9 | No data available. |
| **2-methylisothiazol-3(2H)-one** | CAS 2682-20-4<br>EC 220-239-6 | No data available. |
| **Reaction mass of 5-chloro-2-methyl-4-isothiazolin-3-one and 2-methylisothiazol-3(2H)-one (3:1)** | CAS 55965-84-9<br>EC 911-418-6 | No data available. |

**Aspiration hazards**

| | | |
|---|---|---|
| **Glyoxal** | CAS 107-22-2<br>EC 203-474-9 | No data available. |
| **1,2-benzisothiazol-3(2H)-one** | CAS 2634-33-5<br>EC 220-120-9 | No data available. |
| **2-methylisothiazol-3(2H)-one** | CAS 2682-20-4<br>EC 220-239-6 | No data available. |
| **Reaction mass of 5-chloro-2-methyl-4-isothiazolin-3-one and 2-methylisothiazol-3(2H)-one (3:1)** | CAS 55965-84-9<br>EC 911-418-6 | No data available. |

**11.2 Information on other hazards**

No data is available on the product itself.

Information given is based on data on the components and the toxicology of similar products.

**Endocrine disrupting properties**

| | | |
|---|---|---|
| **Glyoxal** | CAS 107-22-2<br>EC 203-474-9 | The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher. |
| **1,2-benzisothiazol-3(2H)-one** | CAS 2634-33-5<br>EC 220-120-9 | |
| **2-methylisothiazol-3(2H)-one** | CAS 2682-20-4<br>EC 220-239-6 | |
| **Reaction mass of 5-chloro-2-methyl-4-isothiazolin-3-one and 2-methylisothiazol-3(2H)-one (3:1)** | CAS 55965-84-9<br>EC 911-418-6 | |

## 12 - ECOLOGICAL INFORMATION

**12.1 Toxicity**

| **Toxicity** | **Glyoxal (CAS 107-22-2, EC 203-474-9)** |
|---|---|
| Toxicity to fish | LC50 (Pimephales Promelas): 86mg/l<br>Exposure time: 96 h |
| Toxicity to daphnia and other aquatic invertebrates | No data available. |
| Toxicity to algae/aquatic plants | No data available. |
| M-Factor (Acute aquatic toxicity) | 1 |
| Toxicity to fish (Chronic toxicity) | No data available. |
| Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) | No data available. |
| M-Factor (Chronic aquatic toxicity) | 1 |

| **Toxicity** | **1,2-benzisothiazol-3(2H)-one (CAS 2634-33-5, EC 220-120-9)** |
|---|---|
| Toxicity to fish | No data available. |
| Toxicity to daphnia and other aquatic invertebrates | No data available. |
| Toxicity to algae/aquatic plants | No data available. |
| M-Factor (Acute aquatic toxicity) | 1 |
| Toxicity to fish (Chronic toxicity) | No data available. |
| Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) | No data available. |
| M-Factor (Chronic aquatic toxicity) | 1 |

| **Toxicity** | **2-methylisothiazol-3(2H)-one (CAS 2682-20-4, EC 220-239-6)** |
|---|---|
| Toxicity to fish | No data available. |
| Toxicity to daphnia and other aquatic invertebrates | No data available. |
| Toxicity to algae/aquatic plants | No data available. |
| M-Factor (Acute aquatic toxicity) | 10 |
| Toxicity to fish (Chronic toxicity) | No data available. |
| Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) | No data available. |
| M-Factor (Chronic aquatic toxicity) | 1 |

| Toxicity | Reaction mass of 5-chloro-2-methyl-4-isothiazolin-3-one and 2-methylisothiazol-3(2H)-one (3:1).(CAS 55965-84-9, EC 911-418-6) |
|---|---|
| Toxicity to fish | LC50 (Oncorhynchus mykiss (rainbow trout)): 0.19mg/l Exposure time: 96 h |
| Toxicity to daphnia and other aquatic invertebrates | EC50 (Daphnia magna (Water flea)): 0.16 mg/l Exposure time: 48 h |
| Toxicity to algae/aquatic plants | ErC50 (Selenastrum capricornutum): 0.037 mg/l Exposure time: 72 h |
| M-Factor (Acute aquatic toxicity) | 100 |
| Toxicity to fish (Chronic toxicity) | NOEC: 0.046 mg/l Exposure time: 35 d - Method: OECD Test Guideline 210 |
| Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) | NOEC: 0.1 mg/l Exposure time: 21 d<br>Species: Daphnia Magna (Water flea) |
| M-Factor (Chronic aquatic toxicity) | 100 |

**12.2 Persistence and degradability**

| | |
|---|---|
| Biodegradability | Remarks: Taking into consideration the properties of several components, the product is estimated not to be readily biodegradable according to OECD classification. |

| | |
|---|---|
| Physico-chemical removability | : 98%<br>: Method: OECD Test Guideline 302<br>: Remarks: This product can be eliminated from water by abiotic processes, e.g., adsorption on activated sludge. |

| | | |
|---|---|---|
| **Glyoxal** | CAS 107-22-2<br>EC 203-474-9 | No data available. |
| **1,2-benzisothiazol-3(2H)-one** | CAS 2634-33-5<br>EC 220-120-9 | No data available. |
| **2-methylisothiazol-3(2H)-one** | CAS 2682-20-4<br>EC 220-239-6 | Method: OECD Test Guideline 308<br>Remarks: 1.28 - 2.1 d (half-life) |
| **Reaction mass of 5-chloro-2-methyl-4-isothiazolin-3-one and 2-methylisothiazol-3(2H)-one (3:1)** | CAS 55965-84-9<br>EC 911-48-6 | Method: OECD Test Guideline 301<br>Remarks: Inherently biodegradable. |

**12.3 Bioaccumulative potential**

| | |
|---|---|
| Product | Bioaccumulation is unlikely. |

| | | |
|---|---|---|
| **Glyoxal** | CAS 107-22-2<br>EC 203-474-9 | No data available. |
| **1,2-benzisothiazol-3(2H)-one** | CAS 2634-33-5<br>EC 220-120-9 | No data available. |
| **2-methylisothiazol-3(2H)-one** | CAS 2682-20-4<br>EC 220-239-6 | Method: OECD Test Guideline 117<br>Remarks: < 0.32 (n-octanol/water) |
| **Reaction mass of 5-chloro-2-methyl-4-isothiazolin-3-one and 2-methylisothiazol-3(2H)-one (3:1)** | CAS 55965-84-9<br>EC 911-48-6 | Method: OECD Test Guideline 305<br>Remarks: Does not bioaccumulate. |

### 12.4 Mobility in soil

| | | |
|---|---|---|
| **Glyoxal** | CAS 107-22-2<br>EC 203-474-9 | No data available. |
| **1,2-benzisothiazol-3(2H)-one** | CAS 2634-33-5<br>EC 220-120-9 | Medium: Soil<br>No data available. |
| **2-methylisothiazol-3(2H)-one** | CAS 2682-20-4<br>EC 220-239-6 | No data available. |
| **Reaction mass of 5-chloro-2-methyl-4-isothiazolin-3-one and 2-methylisothiazol-3(2H)-one (3:1)** | CAS 55965-84-9<br>EC 911-48-6 | No data available. |

### 12.5 Results of PBT and vPvB assessment

| | |
|---|---|
| **Product - Assessment** | : This mixture contains no substance considered to be persistent, bioaccumulating and toxic (PBT).<br>: This mixture contains no substance considered to be very persistent and very bioaccumulating (vPvB). |

| | | |
|---|---|---|
| **Glyoxal** | CAS 107-22-2<br>EC 203-474-9 | This mixture contains no substance considered to be persistent, bioaccumulating and toxic (PBT).<br>This mixture contains no substance considered to be very persistent and very bioaccumulating (vPvB). |
| **1,2-benzisothiazol-3(2H)-one** | CAS 2634-33-5<br>EC 220-120-9 | |
| **2-methylisothiazol-3(2H)-one** | CAS 2682-20-4<br>EC 220-239-6 | |
| **Reaction mass of 5-chloro-2-methyl-4-isothiazolin-3-one and 2-methylisothiazol-3(2H)-one (3:1)** | CAS 55965-84-9<br>EC 911-48-6 | |

### 12.6 Endocrine disrupting properties

| | |
|---|---|
| **Product - Assessment** | The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher. |

| | | |
|---|---|---|
| **Glyoxal** | CAS 107-22-2<br>EC 203-474-9 | The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher. |
| **1,2-benzisothiazol-3(2H)-one** | CAS 2634-33-5<br>EC 220-120-9 | |
| **2-methylisothiazol-3(2H)-one** | CAS 2682-20-4<br>EC 220-239-6 | |

| | | |
|---|---|---|
| **Reaction mass of 5-chloro-2-methyl-4-isothiazolin-3-one and 2-methylisothiazol-3(2H)-one (3:1)** | CAS 55965-84-9<br>EC 911-48-6 | The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher. |

**12.7 Other adverse effects**

Additional ecological information : This product has no known ecotoxicological effects.

## 13 - DISPOSAL CONSIDERATIONS

**13.1 Waste treatment methods**

Product : In accordance with local and national regulations.
: The product should not be allowed to enter drains, watercourses or the soil.
: Waste water from subsequent processing should be given appropriate treatment in line with local regulations.

Contaminated packaging : In accordance with local and national regulations.

## 14 - TRANSPORT INFORMATION

**14.1 UN number or ID number** : Not dangerous goods

**14.2 UN proper shipping name** : Not dangerous goods

**14.3 Transport hazard class(es)** : Not dangerous goods

**14.4 Packing group** : Not dangerous goods

**14.5 Environmental hazards** : Not dangerous goods

**14.6 Special precautions for user**

Remarks : Not classified as dangerous in the meaning of ADR/RID, AND, IMDG-Code, ICAO/IATA-DGR.

**14.7 Maritime transport in bulk according to IMO instruments**

Remarks : Not applicable.

## 15 - REGULATORY INFORMATION

**15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**

REACH – Candidate List of substances of Very High Concern (Article 59) : This product does not contain substances of very high concern (Regulation (EC) No 1907/2006 (REACH), Article 57).

REACH – List of substances subject to authorisation (Annex XIV) : Not applicable.

Seveso III: Directive 2012/18/EU of the European Parliament and of the Council on the control of major-accident hazards involving dangerous substances : Not applicable.

**15.2 Chemical safety assessment** : Not applicable.

## 16 - OTHER INFORMATION

Indication of changes : The document has been adapted to the regulatory system, see ECHA: Guidelines on the compilation of safety data sheet.

Abbreviations and acronyms

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|---|---|
| CAS | Unique identification number for chemicals issued by the Chemical Abstract Services, US |
| EC number | Unique reference number to chemical names within the EU |
| EC | European Commision |
| GLP | Good Laboratory Practice |
| LC50 | The amount of a substance suspended in the air required to kills 50% of a test animal during a predetermined observation period |
| LLNA | Local lymph node assay |
| NOEC | No observed effect concentration |
| OECD | Organisation for Economic Co-operation and Development |
| PBT | Persistent, Bioaccumulative and. Toxic chemicals |
| vPvB | very Persistent and very Bio-accumulative |
| WELs | Workplace exposure limits |
| SDS | Safety Data Sheet |
| STOT | Specific target organ toxicity |

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| Key literature references and sources for data | Regulation (EC) No. 1272/2008. |
| | Regulation (EC) No. 1907/2006 |
| | Regulation (EC) No 1005/2009 |
| | Regulation (EC) No 850/2004 |
| | Workplace exposure limit EH40/2005 |
| | Regulation (EU) 2016/425 |
| | REACH - Candidate List of Substances of Very High Concern for Authorisation (Article 59). |

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| Tests Referenced | OECD 117 - Partition Coefficient (n-octanol/water), HPLC Method |
| | OECD 210 - Fish, Early-life Stage Toxicity Test |
| | OECD 301 - Ready Biodegradability |
| | OECD 302 - Inherent Biodegradability |
| | OECD 305 - Bioconcentration: Flow-through Fish Test |
| | OECD 308 -Aerobic and Anaerobic Transformation in Aquatic Sediment Systems |
| | OECD 403 - Acute Inhalation Toxicity |
| | OECD 404 - Acute Dermal Irritation/Corrosion |

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| Relevant H-Statements (number and full text) | H301 + H311: Toxic if swallowed or in contact with skin. |
| | H302: Harmful if swallowed. |
| | H310: Fatal in contact with skin. |

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| Relevant H-Statements (number and full text) | H314: Causes severe skin burns and eye damage. |
| | H315: Causes skin irritation. |
| | H317: May cause an allergic skin reaction. |
| | H318: Causes serious eye damage. |
| | H319: Causes serious eye irritation. |
| | H330: Fatal if inhaled. |
| | H332: Harmful if inhaled. |
| | H341: Suspected of causing genetic defects. |
| | H400: Very toxic to aquatic life. |
| | H410: Very toxic to aquatic life with long lasting effects. |

**RECOMMENDED USE** : 'Grab' Adhesive.

**FURTHER INFORMATION** : Consult technical data sheet.

The information contained in the Health and Safety Data Sheet is provided in accordance with the requirements of the most recent UK REACH Regulations. The product should not be used for purposes other than those shown without first referring to the supplier and obtaining written handling instructions. As the specific conditions of use of the product are outside the supplier's control, the user is responsible for ensuring that the requirements of relevant legislation are complied with. This information contained in the safety data sheet is based on present knowledge and current EU and UK legislation. It provides guidance on health, safety and environmental aspects of the product and should not be construed as any guarantee of technical performance or suitability for particular applications.