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

Envirograf®
Protecting the irreplaceable

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 EC 203-474-9 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 EC 220-120-9 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 EC 220-239-6 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 % M=10 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 EC 911-418-6 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 % Eye Irrit. 2; : 0.06 % ≤ C < 0.6 % Eye Dam. 1; : C ≥ 0.6 % Skin Sens. 1A; : C ≥ .0015 % Skin Corr. 1C; : C ≥ 0.6 % 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. : 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. : Prevent fire extinguishing water from contaminating surface water or the ground water system. : 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. : For personal protection see section 8. : 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. : Store in closed containers between + 5°C and + 30°C in dry conditions. : 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 EC 203-474-9	LD50 Oral (Rat): 200 mg/kg Method: No information available.	LC50 (Rat): 2.44 mg/l Exposure time: 4 h Method: OECD 403	No data available.
1,2-benzisothiazol-3(2H)-one	CAS 2634-33-5 EC 220-120-9	No data available.	No data available.	No data available.
2-methylisothiazol-3(2H)-one	CAS 2682-20-4 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 EC 911-418-6	LD50 Oral (Rat): 64 mg/kg Method: No information available.	LC50 (Rat): 0.33 mg/l Exposure time: 4 h Method: OECD 403	LD50 (Rabbit): 87.12 mg/Kg Method: No Information available

Skin corrosion/irritation

Glyoxal	CAS 107-22-2 EC 203-474-9	No data available.
1,2-benzisothiazol-3(2H)-one	CAS 2634-33-5 EC 220-120-9	No data available.
2-methylisothiazol-3(2H)-one	CAS 2682-20-4 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 EC 911-418-6	Species: Rabbit OECD Test Guideline 404 Corrosive to skin

Serious eye damage/eye irritation

Glyoxal	CAS 107-22-2 EC 203-474-9	No data available.
1,2-benzisothiazol-3(2H)-one	CAS 2634-33-5 EC 220-120-9	No data available.
2-methylisothiazol-3(2H)-one	CAS 2682-20-4 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 EC 911-418-6	Species: Rabbit Method: No information available. Remarks: Corrosive to eyes.

Respiratory or skin sensitisation

Glyoxal	CAS 107-22-2 EC 203-474-9	No data available.
1,2-benzisothiazol-3(2H)-one	CAS 2634-33-5 EC 220-120-9	No data available.
2-methylisothiazol-3(2H)-one	CAS 2682-20-4 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 EC 247-500-7	Species: Mouse Exposure time: no data available. Remarks: Causes sensitisation.

Germ cell mutagenicity

Glyoxal	CAS 107-22-2 EC 203-474-9	Genotoxicity in vitro: No data available.
1,2-benzisothiazol-3(2H)-one	CAS 2634-33-5 EC 220-120-9	Genotoxicity in vitro: No data available.
2-methylisothiazol-3(2H)-one	CAS 2682-20-4 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 EC 911-418-6	Remarks: In vitro tests did not show mutagenic effects.

Carcinogenicity

Glyoxal	CAS 107-22-2 EC 203-474-9	No data available.
1,2-benzisothiazol-3(2H)-one	CAS 2634-33-5 EC 220-120-9	No data available.
2-methylisothiazol-3(2H)-one	CAS 2682-20-4 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 EC 911-418-6	No data available.

Reproductive toxicity

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

2-methylisothiazol-3(2H)-one	CAS 2682-20-4 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 EC 911-418-6	No data available.

STOT - single exposure

Glyoxal	CAS 107-22-2 EC 203-474-9	May cause respiratory irritation
1,2-benzisothiazol-3(2H)-one	CAS 2634-33-5 EC 220-120-9	No data available.
2-methylisothiazol-3(2H)-one	CAS 2682-20-4 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 EC 911-418-6	No data available.

STOT – repeated exposure

Glyoxal	CAS 107-22-2 EC 203-474-9	May cause respiratory irritation
1,2-benzisothiazol-3(2H)-one	CAS 2634-33-5 EC 220-120-9	No data available.
2-methylisothiazol-3(2H)-one	CAS 2682-20-4 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 EC 911-418-6	No data available.

Aspiration hazards

Glyoxal	CAS 107-22-2 EC 203-474-9	No data available.
1,2-benzisothiazol-3(2H)-one	CAS 2634-33-5 EC 220-120-9	No data available.
2-methylisothiazol-3(2H)-one	CAS 2682-20-4 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 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 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 EC 220-120-9	
2-methylisothiazol-3(2H)-one	CAS 2682-20-4 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 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 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 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% : Method: OECD Test Guideline 302 : Remarks: This product can be eliminated from water by abiotic processes, e.g., adsorption on activated sludge.

Glyoxal	CAS 107-22-2 EC 203-474-9	No data available.
1,2-benzisothiazol-3(2H)-one	CAS 2634-33-5 EC 220-120-9	No data available.
2-methylisothiazol-3(2H)-one	CAS 2682-20-4 EC 220-239-6	Method: OECD Test Guideline 308 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 EC 911-48-6	Method: OECD Test Guideline 301 Remarks: Inherently biodegradable.

12.3 Bioaccumulative potential

Product	Bioaccumulation is unlikely.

Glyoxal	CAS 107-22-2 EC 203-474-9	No data available.
1,2-benzisothiazol-3(2H)-one	CAS 2634-33-5 EC 220-120-9	No data available.
2-methylisothiazol-3(2H)-one	CAS 2682-20-4 EC 220-239-6	Method: OECD Test Guideline 117 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 EC 911-48-6	Method: OECD Test Guideline 305 Remarks: Does not bioaccumulate.

12.4 Mobility in soil

Glyoxal	CAS 107-22-2 EC 203-474-9	No data available.
1,2-benzisothiazol-3(2H)-one	CAS 2634-33-5 EC 220-120-9	Medium: Soil No data available.
2-methylisothiazol-3(2H)-one	CAS 2682-20-4 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 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). : This mixture contains no substance considered to be very persistent and very bioaccumulating (vPvB).

Glyoxal	CAS 107-22-2 EC 203-474-9	This mixture contains no substance considered to be persistent, bioaccumulating and toxic (PBT). This mixture contains no substance considered to be very persistent and very bioaccumulating (vPvB).
1,2-benzisothiazol-3(2H)-one	CAS 2634-33-5 EC 220-120-9	
2-methylisothiazol-3(2H)-one	CAS 2682-20-4 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 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 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 EC 220-120-9	
2-methylisothiazol-3(2H)-one	CAS 2682-20-4 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 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

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

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).

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

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.

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.

SAFETY DATA SHEET

Envirograf®
Protecting the irreplaceable

HS084 - CA/N ADHESIVE - 02-2026

PRODUCT NUMBER: 84
CA/N ADHESIVE

UFI : 0263-E06M-A00W-EG7D

Description:

Specially designed adhesive for bonding paper, card, wood, foams, coated glass cloth, polystyrene, vinyl's, foils, etc., to each other and most construction materials in fire resistant / retardant applications. For use with S/Ceiling intumescent cloth/material

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

- (Appendix 11) CA/N 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

Envirograf®
Protecting the irreplaceable

HS084 - CA/N ADHESIVE - 02-2026

01 - IDENTIFICATION OF THE PREPARATION AND COMPANY

1.1 PRODUCT NAME	CA/N ADHESIVE
TRADE NAME	CA/N ADHESIVE
1.2 RELEVANT IDENTIFIED USES OF THE SUBSTANCE OR MIXTURE	CERAMIC ADHESIVE. For use with S/Ceiling intumescent cloth/material
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 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 soap and 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
Aluminium Hydroxide	CAS 21645-51-2 EC 244-492-7 01-2119529246-39	< 2.7%	None	
1,2-benzisothiazol-3(2H)-one	CAS 2634-33-5 EC 220-120-9 01-2120761540-60	< 0.0320	**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 EC 220-239-6 01-2120764690-50	< 0.0012	**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 % M=10 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 EC 911-418-6 01-2120764690-48	< 0.0012	**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 % Eye Irrit. 2; : 0.06 % ≤ C < 0.6 % Eye Dam. 1; : C ≥ 0.6 % Skin Sens. 1A; : C ≥ .0015 % Skin Corr. 1C; : C ≥ 0.6 % 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. : 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. : Prevent fire extinguishing water from contaminating surface water or the ground water system. : 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. : For personal protection see section 8. : 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. : Store in closed containers between + 5°C and + 30°C in dry conditions. : 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	Light Brown	**Explosive properties**	Not applicable
Form	Solid	**Vapour pressure**	Not applicable
Odour	Low odour	**Bulk density**	1.39 - 1.49 g/cm³
pH as supplied	7.0-8.0	**Viscosity range**	50 to 80 mPa
Boiling point/range	Not determined	**Kinematic viscosity**	Not established
Freezing point/range	Not determined	**Solubility**	-
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
Aluminium Hydroxide	CAS 21645-51-2 EC 244-492-7	LD50 Oral (Rat): 2000 mg/kg Method: No information available.	LC50 (Rat): 7.6 mg/L Exposure time: 4 h Method: No data available.	No data available.
1,2-benzisothiazol-3(2H)-one	CAS 2634-33-5 EC 220-120-9	No data available.	No data available.	No data available.
2-methylisothiazol-3(2H)-one	CAS 2682-20-4 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 EC 911-418-6	LD50 Oral (Rat): 64 mg/kg Method: No information available.	LC50 (Rat): 0.33 mg/l Exposure time: 4 h Method: OECD 403	LD50 (Rabbit): 87.12 mg/Kg Method: No Information available

Skin corrosion/irritation

Aluminium Hydroxide	CAS 21645-51-2 EC 244-492-7	Non-corrosive/ Non-Irritating
1,2-benzisothiazol-3(2H)-one	CAS 2634-33-5 EC 220-120-9	No data available.
2-methylisothiazol-3(2H)-one	CAS 2682-20-4 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 EC 911-418-6	Species: Rabbit OECD Test Guideline 404 Corrosive to skin

Serious eye damage/eye irritation

Aluminium Hydroxide	CAS 21645-51-2 EC 244-492-7	Non-corrosive/ Non-Irritating
1,2-benzisothiazol-3(2H)-one	CAS 2634-33-5 EC 220-120-9	No data available.
2-methylisothiazol-3(2H)-one	CAS 2682-20-4 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 EC 911-418-6	Species: Rabbit Method: No information available. Remarks: Corrosive to eyes.

Respiratory or skin sensitisation

Aluminium Hydroxide	CAS 21645-51-2 EC 244-492-7	Non Sensitizing
1,2-benzisothiazol-3(2H)-one	CAS 2634-33-5 EC 220-120-9	No data available.
2-methylisothiazol-3(2H)-one	CAS 2682-20-4 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 EC 247-500-7	Species: Mouse Exposure time: no data available. Remarks: Causes sensitisation.

Germ cell mutagenicity

Aluminium Hydroxide	CAS 21645-51-2 EC 244-492-7	No evidence of mutagenic effects
1,2-benzisothiazol-3(2H)-one	CAS 2634-33-5 EC 220-120-9	Genotoxicity in vitro: No data available.
2-methylisothiazol-3(2H)-one	CAS 2682-20-4 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 EC 911-418-6	Remarks: In vitro tests did not show mutagenic effects.

Carcinogenicity

Aluminium Hydroxide	CAS 21645-51-2 EC 244-492-7	No evidence of carcinogenic effects
1,2-benzisothiazol-3(2H)-one	CAS 2634-33-5 EC 220-120-9	No data available.
2-methylisothiazol-3(2H)-one	CAS 2682-20-4 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 EC 911-418-6	No data available.

Reproductive toxicity

Aluminium Hydroxide	CAS 21645-51-2 EC 244-492-7	No evidence of reproductive toxicity effects
1,2-benzisothiazol-3(2H)-one	CAS 2634-33-5 EC 220-120-9	No data available.

2-methylisothiazol-3(2H)-one	CAS 2682-20-4 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 EC 911-418-6	No data available.

STOT - single exposure

Aluminium Hydroxide	CAS 21645-51-2 EC 244-492-7	No data available.
1,2-benzisothiazol-3(2H)-one	CAS 2634-33-5 EC 220-120-9	No data available.
2-methylisothiazol-3(2H)-one	CAS 2682-20-4 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 EC 911-418-6	No data available.

STOT – repeated exposure

Aluminium Hydroxide	CAS 21645-51-2 EC 244-492-7	No data available.
1,2-benzisothiazol-3(2H)-one	CAS 2634-33-5 EC 220-120-9	No data available.
2-methylisothiazol-3(2H)-one	CAS 2682-20-4 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 EC 911-418-6	No data available.

Aspiration hazards

Aluminium Hydroxide	CAS 21645-51-2 EC 244-492-7	No data available.
1,2-benzisothiazol-3(2H)-one	CAS 2634-33-5 EC 220-120-9	No data available.
2-methylisothiazol-3(2H)-one	CAS 2682-20-4 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 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

Aluminium Hydroxide	CAS 21645-51-2 EC 244-492-7	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 EC 220-120-9	
2-methylisothiazol-3(2H)-one	CAS 2682-20-4 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 EC 911-418-6	

12 - ECOLOGICAL INFORMATION

12.1 Toxicity

Toxicity	**Aluminium Hydroxide (CAS 21645-51-2, EC 244-492-7)**
Toxicity to fish	LC50 (Salmo Trutta): >100mg/l
Toxicity to daphnia and other aquatic invertebrates	EC50: Daphna magna >100mg/L
Toxicity to algae/aquatic plants	EC50: Selenastrum Capricornitum >100mg/L
M-Factor (Acute aquatic toxicity)	No data available.
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)	No data available.

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 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% : Method: OECD Test Guideline 302 : Remarks: This product can be eliminated from water by abiotic processes, e.g., adsorption on activated sludge.

Aluminium Hydroxide	CAS 21645-51-2 EC 244-492-7	No data available.
1,2-benzisothiazol-3(2H)-one	CAS 2634-33-5 EC 220-120-9	No data available.
2-methylisothiazol-3(2H)-one	CAS 2682-20-4 EC 220-239-6	Method: OECD Test Guideline 308 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 EC 911-48-6	Method: OECD Test Guideline 301 Remarks: Inherently biodegradable.

12.3 Bioaccumulative potential

Product — Bioaccumulation is unlikely.

Aluminium Hydroxide	CAS 21645-51-2 EC 244-492-7	No data available.
1,2-benzisothiazol-3(2H)-one	CAS 2634-33-5 EC 220-120-9	No data available.
2-methylisothiazol-3(2H)-one	CAS 2682-20-4 EC 220-239-6	Method: OECD Test Guideline 117 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 EC 911-48-6	Method: OECD Test Guideline 305 Remarks: Does not bioaccumulate.

12.4 Mobility in soil

Aluminium Hydroxide	CAS 21645-51-2 EC 244-492-7	No data available.
1,2-benzisothiazol-3(2H)-one	CAS 2634-33-5 EC 220-120-9	Medium: Soil No data available.
2-methylisothiazol-3(2H)-one	CAS 2682-20-4 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 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). : This mixture contains no substance considered to be very persistent and very bioaccumulating (vPvB).

Aluminium Hydroxide	CAS 21645-51-2 EC 244-492-7	This mixture contains no substance considered to be persistent, bioaccumulating and toxic (PBT). This mixture contains no substance considered to be very persistent and very bioaccumulating (vPvB).
1,2-benzisothiazol-3(2H)-one	CAS 2634-33-5 EC 220-120-9	
2-methylisothiazol-3(2H)-one	CAS 2682-20-4 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 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.

Aluminium Hydroxide	CAS 21645-51-2 EC 244-492-7 01-2119529246-39	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 EC 220-120-9	
2-methylisothiazol-3(2H)-one	CAS 2682-20-4 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 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

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

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).

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

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.
	H314: Causes severe skin burns and eye damage.

Relevant H-Statements (number and full text)	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.

APPLICATION DATA SHEET

ENVIROGRAF®

AP084-WALLPAPER PASTE-02-2019

Product Number: 84
Ready Mixed Wallpaper Paste

Description:

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

Preparation:

Surfaces should be clean, dry, sound and free of dust and mould. Absorbent surfaces can be primed with Stabond. Non-absorbent surfaces should be roughened to provide a key.

Application:

Please refer to wallcovering manufacturers roll label for specific instructions.
Apply the adhesive to the back of the wall covering (unless instructions given by the wallcovering manufacturer state otherwise), and hang in the normal method smoothing out with a soft cloth. Remove any excess adhesive.
Tools may be cleaned in warm soapy water.
NOTE: DO NOT THIN THE ADHESIVE.

Storage:

Six months in unopened original packaging.
Storage temperature: +5°C to +30°C. Avoid extremes of temperature and protect from frost.

TECHNICAL DATA SHEET

ENVIROGRAF®

TD084-WALLPAPER PASTE-02-2019

Product Number: 84
Ready Mixed Wallpaper Paste

Description:

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

Special features:

Solvent free formulation with a polymer base for extra strength. The low odour, user friendly and ready to use formulation also resists mould growth.

Colour:

White.

Technical data:

Composition:	Aqueous polymer system, inert and fire retardant fillers.
Specific gravity:	Approximately 1.1
Slump / Sag:	None – allows sliding while hanging.
Open time:	Approximately 10 to 15 minutes depending on film thickness.
Application temperature:	+5°C to +40°C.
Service temperature:	-20°C to +70°C.
Coverage:	Approximately 1 roll / 5 m² per kg, depending on wall covering.

Ordering references:

FR 1	Wallpaper paste	1 litre
FR 5	Wallpaper paste	5 litre
FR20	Wallpaper paste	20 litre