Safety Data Sheet according to (EC) No 1907/2006

SDS No. : 524806
V001.0

UniBond Flexible Decorating Filler (UK)

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Replaces version from: -

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier
UniBond Flexible Decorating Filler (UK)

1.2. Relevant identified uses of the substance or mixture and uses advised against
Intended use:
1-Component sealant

1.3. Details of the supplier of the safety data sheet
Henkel Ltd
Wood Lane End
HP2 4RQ Hemel Hempstead

Great Britain

Phone: +44 (1442) 278000
Fax-no.: +44 (1442) 278071

ua-productsafety.uk@uk.henkel.com

1.4. Emergency telephone number
24 Hours Emergency Tel: +44 0 8701 906777 - For further general health & safety, technical and practical advice on this product, please call +44 (0) 1606 593933 or write to: Technical Services; Henkel Limited; Road 5; Winsford Industrial Estate; Winsford; Cheshire; CW7 3QY- Email: technical.services@henkel.co.uk

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification (CLP):
Chronic hazards to the aquatic environment Category 3
H412 Harmful to aquatic life with long lasting effects.

2.2. Label elements

Label elements (CLP):

Hazard statement: H412 Harmful to aquatic life with long lasting effects.

Supplemental information Contains Isothiazolinone mixture 3:1. May produce an allergic reaction.

Precautionary statement: Prevention P273 Avoid release to the environment.

Precautionary statement: Disposal P501 Dispose of waste and residues in accordance with local authority requirements.

2.3. Other hazards
None if used properly.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

General chemical description:
1-Component sealant
Base substances of preparation:
CP Styrene
Inorganic fillers
Auxiliary

Declaration of the ingredients according to CLP (EC) No 1272/2008:

Hazardous components CAS-No.	EC Number REACH-Reg No.	content	Classification
1-isopropyl-2,2-dimethyltrimethylene diisobutyrate 6846-50-0	229-934-9 01-2119451093-47	1- < 5 %	Aquatic Chronic 2 H411
Isothiazolinone mixture 3:1 55965-84-9		1,5- < 15 PPM	Acute Tox. 3; Inhalation H331 Acute Tox. 3; Dermal H311 Acute Tox. 3; Oral H301 Skin Sens. 1 H317 Aquatic Acute 1 H400 Aquatic Chronic 1 H410 Skin Corr. 1B H314 M factor: 10

For full text of the H - statements and other abbreviations see section 16 "Other information".
Substances without classification may have community workplace exposure limits available.

SECTION 4: First aid measures

4.1. Description of first aid measures

General information:
In case of adverse health effects seek medical advice.

Inhalation:
Move to fresh air, consult doctor if complaint persists.

Skin contact:
Rinse with running water and soap. Apply replenishing cream. Change all contaminated clothing.

Eye contact:
Immediately flush eyes with soft jet of water or eye rinse solution for at least 5 minutes. If pains remains (intensive smarting, sensivity to light, visual disturbance) continue flushing and contact/seek doctor or hospital.

Ingestion:
Rinse mouth and throat. Drink 1-2 glasses of water. Seek medical advice.

4.2. Most important symptoms and effects, both acute and delayed
No data available.

4.3. Indication of any immediate medical attention and special treatment needed
See section: Description of first aid measures

SECTION 5: Firefighting measures

5.1. Extinguishing media
Suitable extinguishing media:
carbon dioxide, foam, powder, water spray jet, fine water spray

Extinguishing media which must not be used for safety reasons:
High pressure waterjet

5.2. Special hazards arising from the substance or mixture
In the event of a fire, carbon monoxide (CO) and carbon dioxide (CO2) can be released.

5.3. Advice for firefighters
Wear self-contained breathing apparatus.
Wear protective equipment.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures
Ensure adequate ventilation.
Avoid contact with skin and eyes.
Wear protective equipment.

6.2. Environmental precautions
Do not empty into drains / surface water / ground water.

6.3. Methods and material for containment and cleaning up
Remove mechanically.
Dispose of contaminated material as waste according to Section 13.

6.4. Reference to other sections
See advice in section 8

SECTION 7: Handling and storage

7.1. Precautions for safe handling
Ensure that workrooms are adequately ventilated.
Avoid skin and eye contact.

Hygiene measures:
Do not eat, drink or smoke while working.
Wash hands before work breaks and after finishing work.

7.2. Conditions for safe storage, including any incompatibilities
Store only in the original container.
Keep container tightly sealed.
Temperatures between + 5 °C and + 30 °C
Do not store together with food or other consumables (coffee, tea, tobacco, etc.).

7.3. Specific end use(s)
1-Component sealant

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Occupational Exposure Limits

Valid for
Great Britain

None

Occupational Exposure Limits

Valid for
Ireland

Ingredient [Regulated substance]	ppm	mg/m³	Value type	Short term exposure limit category / Remarks	Regulatory list
Naphtha (petroleum), hydrodesulfurized heavy 64742-82-1 [STODDARD SOLVENT]	100	573	Time Weighted Average (TWA):		IR_OEL
Naphtha (petroleum), hydrodesulfurized heavy 64742-82-1 [NAPHTA (RUBBER SOLVENT)]				Included in the regulation but with no data values. See regulation for further details	IR_OEL

Predicted No-Effect Concentration (PNEC):

Name on list	Environmental Compartment	Exposure period	Value				Remarks
			mg/l	ppm	mg/kg	others	
1-Isopropyl-2,2-dimethyltrimethylene diisobutyrate 6846-50-0	aqua (freshwater)					0,014 mg/L	
1-Isopropyl-2,2-dimethyltrimethylene diisobutyrate 6846-50-0	aqua (marine water)					0,0014 mg/L	
1-Isopropyl-2,2-dimethyltrimethylene diisobutyrate 6846-50-0	aqua (intermittent releases)					0,14 mg/L	
1-Isopropyl-2,2-dimethyltrimethylene diisobutyrate 6846-50-0	sediment (freshwater)				1,15 mg/kg		
1-Isopropyl-2,2-dimethyltrimethylene diisobutyrate 6846-50-0	sediment (marine water)				0,115 mg/kg		
1-Isopropyl-2,2-dimethyltrimethylene diisobutyrate 6846-50-0	Soil				0,926 mg/kg		
1-Isopropyl-2,2-dimethyltrimethylene diisobutyrate 6846-50-0	STP					3 mg/L	

Derived No-Effect Level (DNEL):

Name on list	Application Area	Route of Exposure	Health Effect	Exposure Time	Value	Remarks
1-Isopropyl-2,2-dimethyltrimethylene diisobutyrate 6846-50-0	Workers	Dermal	Long term exposure - systemic effects		31,2 mg/kg bw/day	
1-Isopropyl-2,2-dimethyltrimethylene diisobutyrate 6846-50-0	Workers	inhalation	Long term exposure - systemic effects		110 mg/m3	
1-Isopropyl-2,2-dimethyltrimethylene diisobutyrate 6846-50-0	general population	Dermal	Long term exposure - systemic effects		18,8 mg/kg bw/day	
1-Isopropyl-2,2-dimethyltrimethylene diisobutyrate 6846-50-0	general population	inhalation	Long term exposure - systemic effects		32,6 mg/m3	
1-Isopropyl-2,2-dimethyltrimethylene diisobutyrate 6846-50-0	general population	oral	Long term exposure - systemic effects		18,8 mg/kg bw/day	
Naphtha (Petroleum), hydrodesulfurized heavy, <0,1% Benzene 64742-82-1	Workers	Inhalation	Long term exposure - systemic effects		330 mg/m3	
Naphtha (Petroleum), hydrodesulfurized heavy, <0,1% Benzene 64742-82-1	Workers	Dermal	Long term exposure - systemic effects		44 mg/kg bw/day	
Naphtha (Petroleum), hydrodesulfurized heavy, <0,1% Benzene 64742-82-1	general population	Inhalation	Long term exposure - systemic effects		71 mg/m3	
Naphtha (Petroleum), hydrodesulfurized heavy, <0,1% Benzene 64742-82-1	general population	Dermal	Long term exposure - systemic effects		26 mg/kg bw/day	
Naphtha (Petroleum), hydrodesulfurized heavy, <0,1% Benzene 64742-82-1	general population	oral	Long term exposure - systemic effects		26 mg/kg bw/day	

Biological Exposure Indices:
None

8.2. Exposure controls:

Respiratory protection:
Use only in well-ventilated areas.

Hand protection:
In the case of longer contact protective gloves made from nitrile rubber are recommended according to EN 374.
material thickness > 0.1 mm
Perforation time > 480 minutes
In the case of longer and repeated contact please note that in practice the penetration times may be considerably shorter than those determined according to EN 374. The protective gloves must always be checked for their suitability for use at the specific workplace (e.g. mechanical and thermal stress, product compatibility, antistatic effects, etc.). The gloves must be replaced immediately at the first signs of wear and tear. The information provided by the manufacturers and given in the relevant trade association regulations for industrial safety must always be observed. We recommend that a hand care plan is drawn up in cooperation with a glove manufacturer and the trade association in accordance with the local operating conditions.

Eye protection:
Goggles which can be tightly sealed.

Skin protection:
Suitable protective clothing

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance	paste high viscosity white
Odor	typical

Odour threshold	No data available / Not applicable
pH (23 °C (73 °F))	7,0 - 8,2
Initial boiling point	No data available / Not applicable
Flash point	No data available / Not applicable
Decomposition temperature	No data available / Not applicable
Vapour pressure	No data available / Not applicable
Density (23 °C (73.4 °F))	1,60 - 1,65 g/cm3
Bulk density	No data available / Not applicable
Viscosity (Brookfield; 20 °C (68 °F))	20.000 - 28.000 mPa.s
Viscosity (kinematic)	No data available / Not applicable
Explosive properties	No data available / Not applicable
Solubility (qualitative) (23 °C (73.4 °F); Solvent: Water)	Partially soluble
Solidification temperature	No data available / Not applicable
Melting point	No data available / Not applicable
Flammability	No data available / Not applicable
Auto-ignition temperature	No data available / Not applicable
Explosive limits	No data available / Not applicable
Partition coefficient: n-octanol/water	No data available / Not applicable
Evaporation rate	No data available / Not applicable
Vapor density	No data available / Not applicable
Oxidising properties	No data available / Not applicable

9.2. Other information

No data available / Not applicable

SECTION 10: Stability and reactivity

10.1. Reactivity
None if used for intended purpose.

10.2. Chemical stability
Stable under recommended storage conditions.

10.3. Possibility of hazardous reactions
See section reactivity

10.4. Conditions to avoid
None if used for intended purpose.

10.5. Incompatible materials
None if used properly.

10.6. Hazardous decomposition products
None known.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

General toxicological information:
The mixture is classified based on the available hazard information for the ingredients as defined in the classification criteria for mixtures for each hazard class or differentiation in Annex I to Regulation 1272/2008/EC. Relevant available health/ecological information for the substances listed under Section 3 is provided in the following.

Sensitizing:
An allergic reaction cannot be excluded after repeated skin contact.

Acute oral toxicity:

Hazardous components CAS-No.	Value type	Value	Route of application	Exposure time	Species	Method
1-isopropyl-2,2-dimethyltrimethylene diisobutyrate 6846-50-0	LD50	> 2.000 mg/kg	oral		rat	
Isothiazolinone mixture 3:1 55965-84-9	LD50	53 mg/kg	oral		rat	

Skin corrosion/irritation:

Hazardous components CAS-No.	Result	Exposure time	Species	Method
Isothiazolinone mixture 3:1 55965-84-9	corrosive			

Respiratory or skin sensitization:

Hazardous components CAS-No.	Result	Test type	Species	Method
Isothiazolinone mixture 3:1 55965-84-9	Sensitizing		guinea pig	

SECTION 12: Ecological information

General ecological information:
The mixture is classified based on the available hazard information for the ingredients as defined in the classification criteria for mixtures for each hazard class or differentiation in Annex I to Regulation 1272/2008/EC. Relevant available health/ecological information for the substances listed under Section 3 is provided in the following.
Do not empty into drains, soil or bodies of water.

12.1. Toxicity

Ecotoxicity:
Harmful to aquatic life with long lasting effects.

Hazardous components CAS-No.	Value type	Value	Acute Toxicity Study	Exposure time	Species	Method
1-isopropyl-2,2-dimethyltrimethylene diisobutyrate 6846-50-0	LC50	>= 6 mg/l	Fish	96 h	Lepomis macrochirus	OECD Guideline 203 (Fish, Acute Toxicity Test)
1-isopropyl-2,2-dimethyltrimethylene diisobutyrate 6846-50-0	NOEC	3,56 mg/l	Algae	72 h	Selenastrum capricornutum (new name: Pseudokirchnerella subcapitata)	OECD Guideline 201 (Alga, Growth Inhibition Test)
	EC50	> 7,49 mg/l	Algae	72 h	Selenastrum capricornutum (new name: Pseudokirchnerella subcapitata)	OECD Guideline 201 (Alga, Growth Inhibition Test)
1-isopropyl-2,2-dimethyltrimethylene diisobutyrate 6846-50-0	NOEC	0,7 mg/l	chronic Daphnia	21 d	Daphnia magna	OECD 211 (Daphnia magna, Reproduction Test)
Isothiazolinone mixture 3:1 55965-84-9	LC50	0,22 mg/l	Fish	96 h	Oncorhynchus mykiss	OECD Guideline 203 (Fish, Acute Toxicity Test)
	NOEC	0,098 mg/l	Fish	28 d	Oncorhynchus mykiss	OECD 210 (fish early lite stage toxicity test)
Isothiazolinone mixture 3:1 55965-84-9	EC50	0,048 mg/l	Algae	72 h	Pseudokirchnerella subcapitata	OECD Guideline 201 (Alga, Growth Inhibition Test)
	NOEC	0,0012 mg/l	Algae	72 h	Pseudokirchnerella subcapitata	OECD Guideline 201 (Alga, Growth Inhibition Test)
Isothiazolinone mixture 3:1 55965-84-9	EC10	0,59 mg/l	Bacteria	16 h		
Isothiazolinone mixture 3:1 55965-84-9	NOEC	0,0036 mg/l	chronic Daphnia	21 d	Daphnia magna	OECD 211 (Daphnia magna, Reproduction Test)

12.2. Persistence and degradability

Hazardous components CAS-No.	Result	Route of application	Degradability	Method
1-isopropyl-2,2-dimethyltrimethylene diisobutyrate 6846-50-0		aerobic	70,73 %	OECD Guideline 301 B (Ready Biodegradability: CO2 Evolution Test)
Isothiazolinone mixture 3:1 55965-84-9		aerobic	97 %	OECD Guideline 302 B (Inherent biodegradability: Zahn-Wellens/EMPA Test)
	readily biodegradable		> 60 %	OECD Guideline 301 D (Ready Biodegradability: Closed Bottle Test)

12.3. Bioaccumulative potential / 12.4. Mobility in soil

Hazardous components CAS-No.	LogKow	Bioconcentration factor (BCF)	Exposure time	Species	Temperature	Method
1-isopropyl-2,2-dimethyltrimethylene diisobutyrate 6846-50-0		183 - 194		fish		OECD Guideline 305 (Bioconcentration: Flow-through Fish Test)
1-isopropyl-2,2-dimethyltrimethylene diisobutyrate 6846-50-0	4,04 - 4,91					OECD Guideline 107 (Partition Coefficient (n-octanol / water), Shake Flask Method)
Isothiazolinone mixture 3:1 55965-84-9		3,6		calculation		
Isothiazolinone mixture 3:1 55965-84-9	-0,71 - 0,75				20 °C	OECD Guideline 117 (Partition Coefficient (n-octanol / water), HPLC Method)

12.5. Results of PBT and vPvB assessment

Hazardous components CAS-No.	PBT/vPvB

1-isopropyl-2,2-dimethyltrimethylene diisobutyrate 6846-50-0	Not fulfilling PBT (persistent/bioaccummulative/toxic) criteria
Isothiazolinone mixture 3:1 55965-84-9	Not fulfilling Persistent, Bioaccumulative and Toxic (PBT), very Persistent and very Bioaccumulative (vPvB) criteria.

12.6. Other adverse effects

No data available.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Product disposal:
Dispose of waste and residues in accordance with local authority requirements.

Disposal of uncleaned packages:
Use packages for recycling only when totally empty.

Waste code
08 04 09 waste adhesives and sealants containing organic solvents and other dangerous substances

SECTION 14: Transport information

14.1. UN number

Not hazardous according to RID, ADR, ADN, IMDG, IATA-DGR.

14.2. UN proper shipping name

Not hazardous according to RID, ADR, ADN, IMDG, IATA-DGR.

14.3. Transport hazard class(es)

Not hazardous according to RID, ADR, ADN, IMDG, IATA-DGR.

14.4. Packing group

Not hazardous according to RID, ADR, ADN, IMDG, IATA-DGR.

14.5. Environmental hazards

Not hazardous according to RID, ADR, ADN, IMDG, IATA-DGR.

14.6. Special precautions for user

Not hazardous according to RID, ADR, ADN, IMDG, IATA-DGR.

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

not applicable

SECTION 15: Regulatory information

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

VOC content 0 %
(VOCV 814.018 VOC regulation
CH)

15.2. Chemical safety assessment

A chemical safety assessment has not been carried out.

SECTION 16: Other information

The labelling of the product is indicated in Section 2. The full text
of all abbreviations indicated by codes in this safety data sheet are as follows:

H301 Toxic if swallowed.
H311 Toxic in contact with skin.
H314 Causes severe skin burns and eye damage.
H317 May cause an allergic skin reaction.
H331 Toxic 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.

Further information:
This information is based on our current level of knowledge and relates to the product in the state in which it is delivered. It is intended to describe our products from the point of view of safety requirements and is not intended to guarantee any particular properties.

Label elements (DPD):
Risk phrases:

R52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Safety phrases:

S60 This material and its container must be disposed of as hazardous waste.

Relevant changes in this safety data sheet are indicated by vertical lines at the left margin in the body of this document. Corresponding text is displayed in a different color on shadowed fields.