ID#:	3407268	**Assessment Owner:**	Clive Owen
Fax:	01189794328	**Phone:**	07712556825
Email:	clive@a1groupuk.com	**Date Created:**	16/10/2017 11:43:00
Date Assessment Reviewed	23/02/2023	**Next Review Date:**	23/02/2028 11:59:00
Material Code:	286291	**Tradename:**	UNIBOND ANTI-MOULD, ALL COLOURS
		Supplier	HENKEL LTD
Supplier Phone:	+44 1442 278000	**IMC:**	
Keyword	Sealant	**Frequency of use:**	Weekly
Approximately how much of the material is used by one person in one working day:	300ML	**How many people are directly exposed?:**	1
Are any other people put at risk from indirect exposure?:	No	**How are they exposed?:**	APPLYING WITH APPROPRIATE GUN
Are there any susceptible workers?:	No	**Susceptible Categories:**	
Other info:		**Is this material being used outside of the normal temperature range?:**	No

Additional work practices:

Existing Control measures: PPE AS REQUIRED

Exp Limit Acetic acid 25mg/m3 TWA 50mg/m3 STEL WEL, Distillates (petroleum), hydrotreated light 1000mg/m3 8hTWA OEL, Distillates (petroleum), hydrotreated middle 1000mg/m3 8hTWA OEL, Amorphous silica 6mg/m3 Inhal8hTWA 2.4mg/m3 Resp8hTWA

Notes Classification is based on the contents stated in the suppliers safety data sheet rather than the suppliers classification.
Contains Dichloro-2-n-octyl-4-isothiazolin-3-one. May produce an allergic reaction. Contains Amorphous silica. Assigned Workplace Exposure Limits in EH/40.

Files Uploaded

File Name

Activities

Act No	Method	Area	Exposure
2	Extruding	Booth	Up to 1/2 hour per shift
3	Extruding	Inside Well Ventilated	Up to 1/2 hour per shift
4	Extruding	Outside	Up to 1/2 hour per shift

Work Area

Work Area Code	Sub Area Code
WW	

Safer Substitute Chosen **Reason for leaving/swapping material**

FACILITY A1 GROUP **MAIN** WW **SUB** **IMC** 286291

Material/Process

UNIBOND ANTI-MOULD, ALL COLOURS

MEDIUM HAZARD

SEMI-SOLID

Supplier HENKEL LTD

Keyword Sealant

Contents

Distillates (petroleum), hydrotreated middle: 10 - 30%, Distillates (petroleum), hydrotreated light: 5 - < 10%, Dichloro-2-n-octyl-4-isothiazolin-3-one: 50 - < 250ppm

Signal Word Warning

Exp Limit Acetic acid 25mg/m3 TWA 50mg/m3 STEL WEL, Distillates (petroleum), hydrotreated light 1000mg/m3 8hTWA OEL, Distillates (petroleum), hydrotreated middle 1000mg/m3

Health Hazards

Causes skin irritation
Toxic to aquatic life with long lasting effects
Mechanically degraded mineral oil may cause skin cancer
May cause ill health if ingested in quantity
May cause eye irritation
May cause allergic reaction in susceptible individuals in contact with skin

Considerations

Method Extruding **Area** Booth **Exposure** Up to 1/2 hour per shift

LOW ACUTE RISK - FULL EXPOSURE	LOW CHRONIC RISK - FULL EXPOSURE
LOW ACUTE RISK - INDIVIDUAL ACTIVITY	LOW CHRONIC RISK

Control Measures

KEEP SKIN COVERED | POLYTHENE OR BUTYL | IF CONTACT LIKELY | WASH AFTER USE | IF SOILED

ACUTE HAZARD / ECOTOXIC

Spillage

Ventilate area
Wear polythene or butyl gloves
Wear eye protection if contact likely
Wear respiratory protection for large spills in poorly ventilated areas
Wear protective overalls & chemical proof footwear
Scoop or scrape up and place in suitable container
Dispose or recycle of spillages in a controlled manner - Refer to Hazardous Waste Regulations if appropriate

First Aid

Inhalation - remove to fresh air; get immediate medical attention after significant exposure or if feeling ill
Ingestion - do not induce vomiting, wash out mouth with water
If feeling unwell consult your doctor immediately
Eye - irrigate with water until irritation subsides; if irritation persists then consult a doctor
Skin - wash with soap/cleanser and rinse with water; if irritation persists then consult a doctor
High pressure injection of material into skin - get immediate medical attention

Fire

Isolated small scale fire:
Carbon dioxide - powder - foam - inert material
Large fire: evacuate area, call fire brigade or follow site procedure
Wear self-contained breathing apparatus and protective clothing
Toxic fumes are produced when material is involved in a fire

Activity Comments

Date Printed 23/02/2023

Alcumus Safer, Healthier, Stronger

Wokingham A1 group

FACILITY A1 GROUP **MAIN** WW **SUB** **IMC** 286291

Material/Process

UNIBOND ANTI-MOULD, ALL COLOURS

MEDIUM HAZARD

SEMI-SOLID

Supplier HENKEL LTD
Keyword Sealant
Signal Word Warning

Method **Extruding** **Area** **Booth** **Exposure** **Up to 1/2 hour per shift** **Activity Comments**

LOW ACUTE RISK - FULL EXPOSURE	**LOW CHRONIC RISK - FULL EXPOSURE**
LOW ACUTE RISK - INDIVIDUAL ACTIVITY	**LOW CHRONIC RISK**

Control Measures

KEEP SKIN COVERED | POLYTHENE OR BUTYL | IF CONTACT LIKELY | WASH AFTER USE | IF SOILED | ACUTE HAZARD / ECOTOXIC

Health Hazards

Causes skin irritation
Toxic to aquatic life with long lasting effects
Mechanically degraded mineral oil may cause skin cancer
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May cause eye irritation
May cause allergic reaction in susceptible individuals in contact with skin

Date Printed 23/02/2023

FACILITY A1 GROUP **MAIN** WW **SUB** **IMC** 286291

Material/Process

UNIBOND ANTI-MOULD, ALL COLOURS

MEDIUM HAZARD

SEMI-SOLID

Supplier HENKEL LTD

Keyword Sealant

Contents

Distillates (petroleum), hydrotreated middle: 10 - 30%, Distillates (petroleum), hydrotreated light: 5 - < 10%, Dichloro-2-n-octyl-4-isothiazolin-3-one: 50 - < 250ppm

Signal Word Warning

Exp Limit Acetic acid 25mg/m3 TWA 50mg/m3 STEL WEL, Distillates (petroleum), hydrotreated light 1000mg/m3 8hTWA OEL, Distillates (petroleum), hydrotreated middle 1000mg/m3

Health Hazards

Causes skin irritation
Toxic to aquatic life with long lasting effects
Mechanically degraded mineral oil may cause skin cancer
May cause ill health if ingested in quantity
May cause eye irritation
May cause allergic reaction in susceptible individuals in contact with skin

Considerations

Method Extruding **Area** Inside Well Ventilated **Exposure** Up to 1/2 hour per shift

LOW ACUTE RISK - FULL EXPOSURE	LOW CHRONIC RISK - FULL EXPOSURE
LOW ACUTE RISK - INDIVIDUAL ACTIVITY	LOW CHRONIC RISK

Control Measures

KEEP SKIN COVERED | POLYTHENE OR BUTYL | IF CONTACT LIKELY | WASH AFTER USE | IF SOILED

ACUTE HAZARD / ECOTOXIC

Spillage

Ventilate area
Wear polythene or butyl gloves
Wear eye protection if contact likely
Wear respiratory protection for large spills in poorly ventilated areas
Wear protective overalls & chemical proof footwear
Scoop or scrape up and place in suitable container
Dispose or recycle of spillages in a controlled manner - Refer to Hazardous Waste Regulations if appropriate

First Aid

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Eye - irrigate with water until irritation subsides; if irritation persists then consult a doctor
Skin - wash with soap/cleanser and rinse with water; if irritation persists then consult a doctor
High pressure injection of material into skin - get immediate medical attention

Fire

Isolated small scale fire:
Carbon dioxide - powder - foam - inert material
Large fire: evacuate area, call fire brigade or follow site procedure
Wear self-contained breathing apparatus and protective clothing
Toxic fumes are produced when material is involved in a fire

Activity Comments

Date Printed 23/02/2023

Alcumus Safer, Healthier, Stronger

Wokingham A1 group

FACILITY A1 GROUP **MAIN** WW **SUB** **IMC** 286291

Material/Process

UNIBOND ANTI-MOULD, ALL COLOURS

MEDIUM HAZARD

SEMI-SOLID

Supplier HENKEL LTD
Keyword Sealant
Signal Word Warning

Method **Extruding** **Area** **Inside Well Ventilated** **Exposure** **Up to 1/2 hour per shift** **Activity Comments**

LOW ACUTE RISK - FULL EXPOSURE **LOW CHRONIC RISK - FULL EXPOSURE**

Control Measures **LOW ACUTE RISK - INDIVIDUAL ACTIVITY** **LOW CHRONIC RISK**

KEEP SKIN COVERED | POLYTHENE OR BUTYL | IF CONTACT LIKELY | WASH AFTER USE | IF SOILED | ACUTE HAZARD / ECOTOXIC

Health Hazards

Causes skin irritation
Toxic to aquatic life with long lasting effects
Mechanically degraded mineral oil may cause skin cancer
May cause ill health if ingested in quantity
May cause eye irritation
May cause allergic reaction in susceptible individuals in contact with skin

Alcumus Safer, Healthier, Stronger

This assessment was compiled by Alcumus Sypol Limited from supplier's safety data sheets where appropriate. Safety in the use of assessments is the responsibility of the subscriber. For advice call the helpdesk on 01296 678464

Date Printed 23/02/2023

Wokingham A1 group

FACILITY A1 GROUP **MAIN** WW **SUB** **IMC** 286291

Material/Process

UNIBOND ANTI-MOULD, ALL COLOURS

MEDIUM HAZARD

SEMI-SOLID

Supplier HENKEL LTD

Keyword Sealant

Contents

Distillates (petroleum), hydrotreated middle: 10 - 30%, Distillates (petroleum), hydrotreated light: 5 - < 10%, Dichloro-2-n-octyl-4-isothiazolin-3-one: 50 - < 250ppm

Signal Word Warning

Exp Limit Acetic acid 25mg/m3 TWA 50mg/m3 STEL WEL, Distillates (petroleum), hydrotreated light 1000mg/m3 8hTWA OEL, Distillates (petroleum), hydrotreated middle 1000mg/m3

Health Hazards

Causes skin irritation
Toxic to aquatic life with long lasting effects
Mechanically degraded mineral oil may cause skin cancer
May cause ill health if ingested in quantity
May cause eye irritation
May cause allergic reaction in susceptible individuals in contact with skin

Considerations

Method Extruding **Area** Outside **Exposure** Up to 1/2 hour per shift

LOW ACUTE RISK - FULL EXPOSURE	LOW CHRONIC RISK - FULL EXPOSURE
LOW ACUTE RISK - INDIVIDUAL ACTIVITY	LOW CHRONIC RISK

Control Measures

KEEP SKIN COVERED | POLYTHENE OR BUTYL | IF CONTACT LIKELY | WASH AFTER USE | IF SOILED

ACUTE HAZARD / ECOTOXIC

Spillage

Ventilate area
Wear polythene or butyl gloves
Wear eye protection if contact likely
Wear respiratory protection for large spills in poorly ventilated areas
Wear protective overalls & chemical proof footwear
Scoop or scrape up and place in suitable container
Dispose or recycle of spillages in a controlled manner - Refer to Hazardous Waste Regulations if appropriate

First Aid

Inhalation - remove to fresh air; get immediate medical attention after significant exposure or if feeling ill
Ingestion - do not induce vomiting, wash out mouth with water
If feeling unwell consult your doctor immediately
Eye - irrigate with water until irritation subsides; if irritation persists then consult a doctor
Skin - wash with soap/cleanser and rinse with water; if irritation persists then consult a doctor
High pressure injection of material into skin - get immediate medical attention

Fire

Isolated small scale fire:
Carbon dioxide - powder - foam - inert material
Large fire: evacuate area, call fire brigade or follow site procedure
Wear self-contained breathing apparatus and protective clothing
Toxic fumes are produced when material is involved in a fire

Activity Comments

Date Printed 23/02/2023

Alcumus Safer, Healthier, Stronger

Wokingham A1 group

FACILITY A1 GROUP **MAIN** WW **SUB** **IMC** 286291

Material/Process

UNIBOND ANTI-MOULD, ALL COLOURS

MEDIUM HAZARD

SEMI-SOLID

Supplier HENKEL LTD
Keyword Sealant
Signal Word Warning

Method **Extruding** **Area** **Outside** **Exposure** **Up to 1/2 hour per shift** **Activity Comments**

LOW ACUTE RISK - FULL EXPOSURE **LOW CHRONIC RISK - FULL EXPOSURE**

Control Measures **LOW ACUTE RISK - INDIVIDUAL ACTIVITY** **LOW CHRONIC RISK**

KEEP SKIN COVERED | POLYTHENE OR BUTYL | IF CONTACT LIKELY | WASH AFTER USE | IF SOILED | ACUTE HAZARD / ECOTOXIC

Health Hazards

Causes skin irritation
Toxic to aquatic life with long lasting effects
Mechanically degraded mineral oil may cause skin cancer
May cause ill health if ingested in quantity
May cause eye irritation
May cause allergic reaction in susceptible individuals in contact with skin

Date Printed 23/02/2023

REQUEST DETAILS #ID: 3407268 User making request Clive Owen

MATERIAL DETAILS Material Code: 286291

Tradename: UNIBOND ANTI-MOULD, ALL COLOURS

LOW UNCONTROLLED ACUTE RISK

LOW UNCONTROLLED CHRONIC RISK

LOW CONTROLLED ACUTE/CHRONIC RISK

IMC Supplier HENKEL LTD

ACTIVITY DETAILS

Act No	Method	Area	Exposure
2	Extruding	Booth	Up to 1/2 hour per shift
3	Extruding	Inside Well Ventilated	Up to 1/2 hour per shift
4	Extruding	Outside	Up to 1/2 hour per shift

SCENARIO DETAILS

Additional work practices:

Approximately how much of the material is used by one person in one working day:	300ML	Frequency of use:	Weekly	How many people are directly exposed?:	1
Are any other people put at risk from indirect exposure?:	No				APPLYING WITH APPROPRIATE GUN
Are there any susceptible workers?:	No	Susceptible Categories:			

Work Area Code
WW

Sub Area Code

Other Information

Classification is based on the contents stated in the suppliers safety data sheet rather than the suppliers classification.
Contains Dichloro-2-n-octyl-4-isothiazolin-3-one. May produce an allergic reaction. Contains Amorphous silica. Assigned Workplace Exposure Limits in EH/40.

Considerations	Answer
Has the elimination or substitution of this material been considered?	Yes
Have users been informed, instructed and trained in the use of the relevant risk control measures?	Yes
Are procedures to ensure the maintenance of controls in place?	Yes

	Are procedures to conduct exposure monitoring in place?	Yes
	Are specific records for inspection of control measures, exposure monitoring health and/or surveillance suitably maintained?	Yes
	Have all actions to be taken in the event of an emergency been considered?	Yes

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

SDS No. : 558615
V001.1

Unibond Anti-Mould, all colours

Revision: 29.03.2017
printing date: 12.04.2017
Replaces version from: 23.11.2015

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

1.1. Product identifier
Unibond Anti-Mould, all colours

1.2. Relevant identified uses of the substance or mixture and uses advised against
Intended use:
Joint sealant, silicone

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@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):
The substance or mixture is not hazardous according to Regulation (EC) No 1272/2008 (CLP).

2.2. Label elements

Label elements (CLP):

The substance or mixture is not hazardous according to Regulation (EC) No 1272/2008 (CLP).

Supplemental information Contains 4,5-Dichloro-2-octyl-2H-isothiazol-3-one. May produce an allergic reaction.

Precautionary statement:
P102 Keep out of reach of children.
P101 If medical advice is needed, have product container or label at hand.
P262 Do not get in eyes, on skin, or on clothing.
P271 Use only outdoors or in a well-ventilated area.

2.3. Other hazards
Evolves acetic acid during cure.
Not fulfilling Persistent, Bioaccumulative and Toxic (PBT), very Persistent and very Bioaccumulative (vPvB) criteria.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

General chemical description:
1-Component silicone joint sealant, acetate-curing (acidic)
Base substances of preparation:
Polydimethyl siloxane
Inorganic fillers

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

Hazardous components CAS-No.	EC Number REACH-Reg No.	content	Classification
Distillates (Petroleum) hydrotreated middle; Gasoil - unspecified 64742-46-7	265-148-2 01-2119552497-29 01-2119827000-58	10- 30 %	Asp. Tox. 1 H304
Destillates (Petroleum), Hydrocarbon aliph dearomat <0.1% benzene 64742-47-8	265-149-8 01-2119453414-43 01-2119456377-30 01-2119456620-43	5- < 10 %	Asp. Tox. 1 H304
4,5-Dichloro-2-octyl-2H-isothiazol-3-one 64359-81-5	264-843-8	50- < 250 PPM	Acute Tox. 4; Oral H302 Skin Corr. 1C H314 Skin Sens. 1; Dermal H317 Acute Tox. 2; Inhalation H330 Aquatic Acute 1 H400 Aquatic Chronic 1 H410 M factor (Acute Aquat Tox): 100 M factor (Chron Aquat Tox): 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:
Rinse immediately with plenty of running water, seek medical advice if necessary.

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 protective equipment.
Wear self-contained breathing apparatus.

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
Avoid skin and eye contact.
Ensure adequate ventilation.

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 in sealed original container.
Store in a cool, dry place.
Temperatures between + 5 °C and + 25 °C
Do not store together with food or other consumables (coffee, tea, tobacco, etc.).

7.3. Specific end use(s)
Joint sealant, silicone

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Occupational Exposure Limits

Valid for
Great Britain

Ingredient [Regulated substance]	ppm	mg/m³	Value type	Short term exposure limit category / Remarks	Regulatory list
Silicon dioxide 112945-52-5 [SILICA, AMORPHOUS, INHALABLE DUST]		6	Time Weighted Average (TWA):		EH40 WEL
Silicon dioxide 112945-52-5 [SILICA, AMORPHOUS, RESPIRABLE DUST]		2,4	Time Weighted Average (TWA):		EH40 WEL
Acetic acid 64-19-7 [ACETIC ACID]	10	25	Time Weighted Average (TWA):	Indicative	ECTLV

Occupational Exposure Limits

Valid for
Ireland

Ingredient [Regulated substance]	ppm	mg/m³	Value type	Short term exposure limit category / Remarks	Regulatory list
Distillates (petroleum), hydrotreated middle 64742-46-7 [NAPHTA (RUBBER SOLVENT)]				Included in the regulation but with no data values. See regulation for further details	IR_OEL
Distillates (petroleum), hydrotreated middle 64742-46-7 [MINERAL OIL, PURE, HIGHLY & SEVERELY REFINED, INHALABLE FRACTION]		5	Time Weighted Average (TWA):		IR_OEL
Silicon dioxide 112945-52-5 [SILICA, AMORPHOUS, TOTAL INHALABLE DUST]		6	Time Weighted Average (TWA):		IR_OEL
Silicon dioxide 112945-52-5 [SILICA, AMORPHOUS, RESPIRABLE DUST]		2,4	Time Weighted Average (TWA):		IR_OEL
Acetic acid 64-19-7 [ACETIC ACID]	10	25	Time Weighted Average (TWA):	Indicative OELV	IR_OEL
Acetic acid 64-19-7 [ACETIC ACID]	15	37	Short Term Exposure Limit (STEL):	Indicative OELV	IR_OEL
Acetic acid 64-19-7 [ACETIC ACID]	10	25	Time Weighted Average (TWA):	Indicative	ECTLV

Predicted No-Effect Concentration (PNEC):

Name on list	Environmental Compartment	Exposure period	Value				Remarks
			mg/l	ppm	mg/kg	others	
4,5-Dichloro-2-octyl-2H-isothiazol-3-one 64359-81-5	aqua (freshwater)					0,034 µg/L	
4,5-Dichloro-2-octyl-2H-isothiazol-3-one 64359-81-5	sediment (freshwater)				0,41 mg/kg		
4,5-Dichloro-2-octyl-2H-isothiazol-3-one 64359-81-5	sediment (marine water)				0,0034 mg/kg		
4,5-Dichloro-2-octyl-2H-isothiazol-3-one 64359-81-5	sewage treatment plant (STP)					0,064 mg/L	
4,5-Dichloro-2-octyl-2H-isothiazol-3-one 64359-81-5	soil				0,062 mg/kg		
4,5-Dichloro-2-octyl-2H-isothiazol-3-one 64359-81-5	oral					4,49 mg/kg food	
4,5-Dichloro-2-octyl-2H-isothiazol-3-one 64359-81-5	aqua (marine water)					0,0068 µg/L	

Biological Exposure Indices:
None

8.2. Exposure controls:

Respiratory protection:
Ensure adequate ventilation.

Hand protection:
Recommended are gloves made from Nitril rubber (Material thickness >0,1 mm, Perforation time < 30s).Gloves should be replaced after each short time contact or contamination. Available at laboratory specialized trade or at pharmacies / chemist's shops.

Eye protection:
Goggles which can be tightly sealed.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance	solid pasty varied, according to coloration
Odor	of acetic acid
Odour threshold	No data available / Not applicable
pH	No data available / Not applicable
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))	0,96 - 0,98 g/cm3
Bulk density	No data available / Not applicable
Viscosity	No data available / Not applicable
Viscosity (kinematic)	No data available / Not applicable
Explosive properties	No data available / Not applicable
Solubility (qualitative) (23 °C (73.4 °F); Solvent: Water)	Insoluble
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
Evolves acetic acid during cure.

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 (EC) No 1272/2008. 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
Distillates (Petroleum) hydrotreated middle; Gasoil - unspecified 64742-46-7	LD50	> 5.000 mg/kg	oral		rat	OECD Guideline 401 (Acute Oral Toxicity)
Destillates (Petroleum), Hydrocarbon aliph dearomat <0.1% benzene 64742-47-8	LD50	> 5.000 mg/kg	oral		rat	OECD Guideline 401 (Acute Oral Toxicity)
4,5-Dichloro-2-octyl-2H-isothiazol-3-one 64359-81-5	LD50	1.636 mg/kg	oral		rat	not specified

Acute inhalative toxicity:

Hazardous components CAS-No.	Value type	Value	Route of application	Exposure time	Species	Method
Distillates (Petroleum) hydrotreated middle; Gasoil - unspecified 64742-46-7	LC50	> 5,266 mg/l	dust/mist	4 h	rat	not specified
Destillates (Petroleum), Hydrocarbon aliph dearomat <0.1% benzene 64742-47-8	LC50	> 5,3 mg/l	dust/mist	4 h	rat	not specified
4,5-Dichloro-2-octyl-2H-isothiazol-3-one 64359-81-5	LC50	0,26 mg/l	dust/mist	4 h	rat	not specified

Acute dermal toxicity:

Hazardous components CAS-No.	Value type	Value	Route of application	Exposure time	Species	Method
Distillates (Petroleum) hydrotreated middle; Gasoil - unspecified 64742-46-7	LD50	> 2.000 mg/kg	dermal		rabbit	OECD Guideline 402 (Acute Dermal Toxicity)
Destillates (Petroleum), Hydrocarbon aliph dearomat <0.1% benzene 64742-47-8	LD50	> 5.000 mg/kg	dermal		rabbit	OECD Guideline 402 (Acute Dermal Toxicity)

Skin corrosion/irritation:

Hazardous components CAS-No.	Result	Exposure time	Species	Method
Destillates (Petroleum), Hydrocarbon aliph dearomat <0.1% benzene 64742-47-8	not irritating		rabbit	OECD Guideline 404 (Acute Dermal Irritation / Corrosion)

Serious eye damage/irritation:

Hazardous components CAS-No.	Result	Exposure time	Species	Method
Destillates (Petroleum), Hydrocarbon aliph dearomat <0.1% benzene 64742-47-8	slightly irritating		rabbit	OECD Guideline 405 (Acute Eye Irritation / Corrosion)

Respiratory or skin sensitization:

Hazardous components CAS-No.	Result	Test type	Species	Method
Destillates (Petroleum), Hydrocarbon aliph dearomat <0.1% benzene 64742-47-8	not sensitising			OECD Guideline 406 (Skin Sensitisation)

Germ cell mutagenicity:

Hazardous components CAS-No.	Result	Type of study / Route of administration	Metabolic activation / Exposure time	Species	Method
Destillates (Petroleum), Hydrocarbon aliph dearomat <0.1% benzene 64742-47-8	negative	bacterial reverse mutation assay (e.g Ames test)			OECD Guideline 471 (Bacterial Reverse Mutation Assay)
	negative	in vitro mammalian chromosome aberration test			OECD Guideline 473 (In vitro Mammalian Chromosome Aberration Test)
	negative	mammalian cell gene mutation assay			OECD Guideline 476 (In vitro Mammalian Cell Gene Mutation Test)
	negative	sister chromatid exchange assay in mammalian cells			OECD Guideline 479 (Genetic Toxicology: In Vitro Sister Chromatid Exchange Assay in Mammalian Cells)
Destillates (Petroleum), Hydrocarbon aliph dearomat <0.1% benzene 64742-47-8	negative				OECD Guideline 474 (Mammalian Erythrocyte Micronucleus Test)
	negative				OECD Guideline 478 (Genetic Toxicology: Rodent Dominant Lethal Test)

Carcinogenicity:

Hazardous components CAS-No.	Result	Species	Sex	Exposure timeFrequency of treatment	Route of application	Method
Destillates (Petroleum), Hydrocarbon aliph dearomat <0.1% benzene 64742-47-8	not carcinogenic					OECD Guideline 453 (Combined Chronic Toxicity / Carcinogenicity Studies)

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 (EC) No 1272/2008. 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

Hazardous components CAS-No.	Value type	Value	Acute Toxicity Study	Exposure time	Species	Method
Distillates (Petroleum) hydrotreated middle; Gasoil - unspecified 64742-46-7	LC50	> 10.000 mg/l	Fish	96 h	Pimephales promelas	OECD Guideline 203 (Fish, Acute Toxicity Test)
Destillates (Petroleum), Hydrocarbon aliph dearomat <0.1% benzene 64742-47-8	LL0	1.000 mg/l	Fish	96 h	Oncorhynchus mykiss	OECD Guideline 203 (Fish, Acute Toxicity Test)
	LL50	> 250 mg/l	Fish	96 h	Danio rerio	OECD Guideline 203 (Fish, Acute Toxicity Test)
Destillates (Petroleum), Hydrocarbon aliph dearomat <0.1% benzene 64742-47-8	EL0	1.000 mg/l	Daphnia	48 h	Daphnia magna	OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test)
	EC50	> 1.000 mg/l	Daphnia	48 h	Daphnia magna	OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test)
Destillates (Petroleum), Hydrocarbon aliph dearomat <0.1% benzene 64742-47-8	EL0	1.000 mg/l	Algae	72 h	Pseudokirchnerella subcapitata	OECD Guideline 201 (Alga, Growth Inhibition Test)
4,5-Dichloro-2-octyl-2H-isothiazol-3-one 64359-81-5	NOEC	0,00056 mg/l	Fish	97 d	Oncorhynchus mykiss	OECD Guideline 210 (fish early lite stage toxicity test)
	LC50	0,0027 mg/l	Fish	96 h	Oncorhynchus mykiss	OECD Guideline 203 (Fish, Acute Toxicity Test)
4,5-Dichloro-2-octyl-2H-isothiazol-3-one 64359-81-5	EC50	0,0057 mg/l	Daphnia	48 h	Daphnia magna	OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test)
4,5-Dichloro-2-octyl-2H-isothiazol-3-one 64359-81-5	EC50	0,077 mg/l	Algae	72 h	Pseudokirchnerella subcapitata	OECD Guideline 201 (Alga, Growth Inhibition Test)
4,5-Dichloro-2-octyl-2H-isothiazol-3-one 64359-81-5	EC 50	5,7 mg/l	Bacteria	3 h	activated sludge	OECD Guideline 209 (Activated Sludge, Respiration Inhibition Test)
4,5-Dichloro-2-octyl-2H-isothiazol-3-one 64359-81-5	NOEC	0,00063 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
Distillates (Petroleum) hydrotreated middle; Gasoil - unspecified 64742-46-7		aerobic	30 %	OECD Guideline 301 D (Ready Biodegradability: Closed Bottle Test)
Destillates (Petroleum), Hydrocarbon aliph dearomat <0.1% benzene 64742-47-8	readily biodegradable	not specified	69 %	OECD 301 A - F
4,5-Dichloro-2-octyl-2H-isothiazol-3-one 64359-81-5	Rapidly degradable	not specified	> 60 %	OECD 301 A - F

12.3. Bioaccumulative potential / 12.4. Mobility in soil

Hazardous components CAS-No.	LogPow	Bioconcentration factor (BCF)	Exposure time	Species	Temperature	Method

4,5-Dichloro-2-octyl-2H-isothiazol-3-one 64359-81-5 4,5-Dichloro-2-octyl-2H-isothiazol-3-one 64359-81-5	2,42	750		Lepomis macrochirus		OECD Guideline 305 (Bioconcentration: Flow-through Fish Test) OECD Guideline 107 (Partition Coefficient (n-octanol / water), Shake Flask Method)

12.5. Results of PBT and vPvB assessment

Hazardous components **CAS-No.**	**PBT/vPvB**
Distillates (Petroleum) hydrotreated middle; Gasoil - unspecified 64742-46-7	Not fulfilling Persistent, Bioaccumulative and Toxic (PBT), very Persistent and very Bioaccumulative (vPvB) criteria.
Destillates (Petroleum), Hydrocarbon aliph dearomat <0.1% benzene 64742-47-8	Not fulfilling Persistent, Bioaccumulative and Toxic (PBT), very Persistent and very Bioaccumulative (vPvB) criteria.
4,5-Dichloro-2-octyl-2H-isothiazol-3-one 64359-81-5	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 10 Waste adhesives and sealants other than those mentioned in 08 04 09.

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 10 %
(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:

H302 Harmful if swallowed.
H304 May be fatal if swallowed and enters airways.
H314 Causes severe skin burns and eye damage.
H317 May cause an allergic skin reaction.
H330 Fatal if inhaled.
H400 Very toxic to aquatic life.
H410 Very 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.

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.

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