



SAFETY DATA SHEET

ACETOXY SILICONE

SDS Ref:
28
Revision 1
Revision Date:
01.03.2020

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

1.1. Product identifier

Product name TIMCO ACETOXY SILICONE
Product No. 732480, 732098, 732741, 732852, 732079, 732963.

1.2. Relevant identified uses of the substance or mixture and uses advised against

Use of substance / mixture: Sealant
Pure substance/mixture Mixture

1.3. Details of the supplier of the safety data sheet

Supplier T.I. Midwood & Co. Ltd
TIMco House
Green Lane
Wardle
Nantwich
CW5 6BJ
01829 261111

1.4. Emergency telephone number

Emergency tel +44 (0)1829 261111

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

Regulation (EC) No 1272/2008 Not classified

2.2. Label elements

Signal Word Not classified
None
Hazard Statements Not classified

EU Specific Hazard Statements

EUH208

Contains 4,5-dichloro-2-octyl-2H-isothiazol-3-one [DCOIT].
May produce an allergic reaction EUH210
Safety data sheet available on request

2.3. Other hazards

Other hazards:

Small amounts of ethanol (CAS 64-17-5) are formed by hydrolysis and released upon curing.

PBT and vPvB assessment

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substances

Not applicable

3.2. Mixtures

Hazardous ingredients None

Hydrocarbons, C15-C20, n-alkanes, isoalkanes, cyclics, < 0.03% aromatics				40 - <80%
CAS-No.:	EC-No:	Classification according to Regulation (EC) No. 1272/2008 (CLP)	REACH Re. No.	
--	934-956-3	Asp. Tox. 1 (H304)	01-2119827000-58-XXXX	
Triacetoxy(propyl)silane				1 - <2.5%
CAS-No.:	EC-No:	Classification according to Regulation (EC) No. 1272/2008 (CLP)	REACH Re. No.	
17865-07-5	241-816-9	Skin Corr. 1B (H314) (EUH071)	01-2119966899-07-XXXX	

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4,5-dichloro-2-octyl-2H-i sothiazol-3-one [DCOIT]			0.01 - <0.05%
CAS-No.:	EC-No:	Classification according to Regulation (EC) No. 1272/2008 (CLP)	REACH Re. No.
64359-81-5	264-843-8	Skin Corr. 1B (H314) Eye Dam. 1 (H318) Skin Sens. 1A (H317) Acute Tox. 4 (H302) Acute Tox. 2 (H330) Aquatic Acute 1 (H400) M=100 Aquatic Chronic 1 (410) M=10	No data available

Full text of H- and EUH-phrases: see section 16

Note: ^ indicates not classified, however, the substance is listed in section 3 as it has an OEL

This product does not contain candidate substances of very high concern at a concentration $\geq 0.1\%$ (Regulation (EC) No. 1907/2006 (REACH), Article 59)

SECTION 4: FIRST AID MEASURES

4.1. Description of first aid measures

General advice	If medical advice is needed, have product container or label at hand. Show this safety data sheet to the doctor in attendance.
Inhalation	Remove to fresh air. IF exposed or concerned: Get medical advice/attention.
Eye contact	Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a doctor.
Skin contact	Wash skin with soap and water. In the case of skin irritation or allergic reactions see a doctor.
Ingestion	Clean mouth with water. Do NOT induce vomiting. Drink 1 or 2 glasses of water. Never give anything by mouth to an unconscious person.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms No information available.

4.3. Indication of any immediate medical attention and special treatment needed

Note to doctors Treat symptomatically.

SECTION 5: FIREFIGHTING MEASURES

5.1. Extinguishing media

Extinguishing media:	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
Unsuitable extinguishing media	Full water jet. Do not scatter spilled material with high pressure water streams.

5.2. Special hazards arising from the substance or mixture

Specific hazards arising from the chemical	Thermal decomposition can lead to release of toxic and corrosive gases/vapours.
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5.3. Advice for firefighters

Advice for fire-fighters:	Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protection equipment.
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SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions:	Ensure adequate ventilation. Avoid contact with skin, eyes or clothing.
Other information	Ventilate the area. Prevent further leakage or spillage if safe to do so.
For emergency responders	Use personal protection recommended in Section 8.

6.2. Environmental precautions

Environmental precautions:	Do not flush into surface water or sanitary sewer system. Do not allow to enter into soil/subsoil. See Section 12 for additional Ecological Information.
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6.3. Methods and material for containment and cleaning up

Methods for containment:	Do not scatter spilled material with high pressure water streams.
Methods for cleaning up	Take up mechanically, placing in appropriate containers for disposal.

6.4. Reference to other sections

See section 8 for more information. See section 13 for more information.

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SECTION 7: HANDLING AND STORAGE

7.1. Precautions for safe handling

Handling requirements:	Ensure adequate ventilation. Use personal protective equipment as required. Avoid contact with skin, eyes or clothing.
General hygiene considerations	Handle in accordance with good industrial hygiene and safety practice. Do not eat, drink or smoke when using this product. Wash thoroughly after handling. Take off all contaminated clothing and wash it before reuse.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions:	Keep container tightly closed in a dry and well-ventilated place. Keep away from food, drink and animal feedingstuffs.
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7.3. Specific end use(s)

Sealant:	
Risk Management Methods (RMM)	The information required is contained in this Safety Data Sheet.
Other information	Observe technical data sheet.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Exposure controls

Only European Community Occupational Exposure Limits will be shown in this document. Please refer to regional SDS for further information.

DNEL/PNEC Values

DNEL	No information available
Predicted No Effect Concentration (PNEC)	No information available

8.2. Exposure controls

Engineering measures:	Ensure adequate ventilation, especially in confined areas.
Personal Protective Equipment	
Eye/face protection	Wear safety glasses with side shields (or goggles). Eye protection must conform to standard EN 166
Hand protection	Wear suitable gloves. Recommended Use: Neoprene™, Nitrile rubber, Butyl rubber. Glove thickness > 0.7mm. The breakthrough time for the mentioned glove material is in general greater than 480 min. Ensure that the breakthrough time of the glove material is not exceeded. Refer to glove supplier for information on breakthrough time for specific gloves. Gloves must conform to standard EN 374.
Skin and body protection	
Respiratory protection	None under normal use conditions. In case of inadequate ventilation wear respiratory protection. Wear a respirator conforming to EN 140 with Type A/P2 filter or better. Ensure adequate ventilation, especially in confined areas.
Recommended filter type:	Organic gases and vapours filter conforming to EN 14387. White. Brown.
Environmental exposure controls	Do not allow uncontrolled discharge of product into the environment.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

State:	Solid
Appearance:	Paste
Colour:	Multiple Colours
Odour threshold:	No information available
Property	Values
pH	Not applicable
Melting point / freezing point	No data available
Boiling point / boiling range	No data available
Flash point	>100°C
Evaporation rate	No data available
Flammability (solid, gas)	Not applicable for liquids
Flammability Limit in Air	
• Upper flammability or explosive limits	No data available
• Lower flammability or explosive limits	No data available
Vapour pressure	No data available
Vapour density	No data available
Relative density	No data available
Water solubility	Product cures with moisture
Solubility(ies)	No data available
Partition coefficient	No data available
Autoignition temperature	No data available
Decomposition temperature	No data available
Kinematic viscosity	>21mm²/s
Dynamic viscosity	No data available

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Explosive properties No data available
Oxidising properties No data available

9.2. Other information

Solid content (%) No information available
VOC Content (%) No information available
Density 0.94 g/cm³

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity

Reactivity: No information available

10.2. Chemical stability

Stability: Stable under normal conditions.
Explosion Data Sensitivity to mechanical impact None
Sensitivity to static discharge None

10.3. Possibility of hazardous reactions

Hazardous reactions: None under normal processing.

10.4. Conditions to avoid

Conditions to avoid: None known based on information supplied.

10.5. Incompatible materials

Materials to avoid: None known based on information supplied.

10.6. Hazardous decomposition products

None under normal use conditions. Stable under recommended storage conditions.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Information on likely routes of exposure

Product Information

Inhalation Based on available data, the classification criteria are not met.
Eye contact Based on available data, the classification criteria are not met.
Skin contact Based on available data, the classification criteria are not met.
Ingestion Based on available data, the classification criteria are not met.

Symptoms related to the physical, chemical and toxicological characteristics

Symptoms No information available.

Numerical measures of toxicity Acute Toxicity

Component Information

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Hydrocarbons, C15-C20, n-alkanes, isoalkanes, cyclics, < 0.03% aromatics	LD50 > 5000 mg/kg (Rattus) OECD 401	LD50 > 3160 mg/kg (Oryctolagus cuniculus) OECD 402	LC50 Inhalation(4h) >5266 MG/M3 (Rattus)
4,5-dichloro-2-octyl-2H-isothiazol-3-one [DCOIT] 64359-81-5	=1636 mg/kg (Rattus)	2000 mg/kg (Oryctolagus cuniculus)	=0.26 mg/L (Rattus) 4 h

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Skin corrosion/irritation Based on available data, the classification criteria are not met.
Serious eye damage/eye irritation Based on available data, the classification criteria are not met.
Respiratory or skin sensitisation Based on available data, the classification criteria are not met.

Component Information

4,5-dichloro-2-octyl-2H-isothiazol-3-one [DCOIT] (64359-81-5)			
Method	Species	Exposure route	Results
OECD Test No. 406: Skin Sensitisation	Guinea pig		Sensitising

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Germ cell mutagenicity
Carcinogenicity
Reproductive toxicity
STOT - single exposure
STOT - repeated exposure
Aspiration hazard

Based on available data, the classification criteria are not met.
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SECTION 12: ECOLOGICAL INFORMATION

12.1. Toxicity

Ecotoxicity

Chemical name	Algae/aquatic plants	Fish	Toxicity to Micro-organisms	Crustacea	M-Factor	M-Factor (long-term)
Hydrocarbons, C15-C20, n-alkanes, isoalkanes, cyclics, < 0.03% aromatics	EL50 (72h) > 10,000 mg/L (Skeletonema costatum) ISO 10253	LL50 (96h) > 1028 mg/L (Scophthalmus maximus) OECD 203	-	LL50 (48h) >		
4,5-dichloro-2-octyl-2H-isothiazol-3-one [DCOIT] 64359-81-5	EC50 (72h) =0.025 mg/L Algae (Scenedesmus subspicatus) (OE CD 201)	LC50 (96h) 0.0078 mg/L (Oncorhynchus mykiss)(OECD 203)	-	EC50 (48h) 0.0097 mg/L Daphnia magna (OECD 202)	100	10

12.2. Persistence and degradability

Persistence and degradability: No information available.

4,5-dichloro-2-octyl-2H-isothiazol-3-one [DCOIT] (64359-81-5)			
Method	Exposure time	Value	Results
OECD Test No. 308: Aerobic and Anaerobic Transformation in Aquatic Sediment Systems	Half-life		1.1-1.3 days

12.3. Bioaccumulative potential

Bioaccumulative potential: There is no data for this product.

Chemical name	Partition coefficient	Bioconcentration factor (BCF)
4,5-dichloro-2-octyl-2H-isothiazol-3-one [DCOIT] 64359-81-5	4.4	13

12.4. Mobility in soil

Mobility: No information available.

12.5. Results of PBT and vPvB assessment

PBT identification: This product is not identified as a PBT/vPvB substance.

Chemical name	PBT and vPvB assessment
Triacetoxypolypropylsilane 17865-07-5	The substance is not PBT / vPvB
4,5-dichloro-2-octyl-2H-isothiazol-3-one [DCOIT] 64359-81-5	The substance is not PBT / vPvB

12.6. Other adverse effects

Other adverse effects: No information available.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Waste from residues/unused products Dispose of contents/container in accordance with local, regional, national, and international regulations as applicable.
Contaminated packaging Do not reuse empty containers. Handle contaminated packages in the same way as the product itself.

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European Waste Catalogue

08 04 10 waste adhesives and sealants other than those mentioned in 08 04 09

Other information

Waste codes should be assigned by the user based on the application for which the product was used.

SECTION 14: TRANSPORT INFORMATION

Land transport (ADR/RID)

14.1 UN Number	Not regulated
14.2 Proper Shipping Name	Not regulated
14.3 Transport hazard class(es)	Not regulated
14.4 Packing Group	Not regulated
14.5 Environmental hazards	Not applicable
14.6 Special Provisions	None

IMDG

14.1 UN number	Not regulated
14.2 Proper Shipping Name	Not regulated
14.3 Transport hazard class(es)	Not regulated
14.4 Packing Group	Not regulated
14.5 Marine Pollutant	Np
14.6 Special Provisions	None
14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	Not applicable

Air transport (ICAO-TI / IATA-DGR)

14.1 UN number	Not regulated
14.2 Proper Shipping Name	Not regulated
14.3 Transport hazard class(es)	Not regulated
14.4 Packing Group	Not regulated
14.5 Environmental hazards	Not applicable
14.6 Special Provisions	none

SECTION 15: REGULATORY INFORMATION

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

European Union

Registration, Evaluation, Authorization, and Restriction of Chemicals (REACH) Regulation (EC 1907/2006)

SVHC: Substances of Very High Concern for Authorisation:

This product does not contain candidate substances of very high concern at a concentration $\geq 0.1\%$ (Regulation (EC) No. 1907/2006 (REACH), Article 59)

EU-REACH (1907/2006) - Annex XVII - Substances subject to Restriction

This product does not contain substances subject to restriction (Regulation (EC) No. 1907/2006 (REACH), Annex XVII).

Substance subject to authorisation per REACH Annex XIV

This product does not contain substances subject to authorisation (Regulation (EC) No. 1907/2006 (REACH), Annex XIV)

Biocidal Products Regulation (EU) No 528/2012 (BPR)

This product contains a biocidal product for the preservation of the dry film Contains: 4,5-dichloro-2-octyl-2H-isothiazol-3-one [DCOIT]

Ozone-depleting substances (ODS) regulation (EC) 1005/2009

Not applicable

Persistent Organic Pollutants

Not applicable

National Regulations

France

Germany

Ordinance on Industrial Safety and Health - Germany - BetrSichV

No flammable liquids in accordance with BetrSichV

Water hazard class (WGK)

WGK 2

Netherlands

List of Carcinogenic, mutagenic and reproductive toxin substances in accordance with Inspectorate SZW (Netherlands)

15.2. Chemical Safety Assessment

Chemical Safety Assessments have been carried out by the Reach registrants for substances registered at >10 tpa. No Chemical Safety Assessment has been carried out for this mixture

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SECTION 16: OTHER INFORMATION

Key or legend to abbreviations and acronyms used in the safety data sheet

Full text of H-Statements referred to under section 3 EUH071 - Corrosive to the respiratory tract

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
H318 -	Causes serious eye damage
H330 -	Fatal if inhaled
H400 -	Very toxic to aquatic life

Legend

TWA	TWA (time-weighted average)
STEL	STEL (Short Term Exposure Limit)
Ceiling	Ceiling Limit Value
*	Skin designation
SVHC	Substance(s) of Very High Concern
PBT	Persistent, Bioaccumulative, and Toxic (PBT) Chemicals
vPvB	Very Persistent and very Bioaccumulative (vPvB) Chemicals
STOT RE	Specific target organ toxicity - Repeated exposure
STOT SE	Specific target organ toxicity - Single exposure
EWC	European Waste Catalogue

This material safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006

Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

End of Safety Data Sheet