YLOMAR

SAFETY DATA SHEET

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

1.1. Product identifier

Trade name or designation

Microseal 204

of the mixture

Registration number

Synonyms None. SDS number 45

27-August-2014 Issue date

01 Version number **Revision date** Supersedes date

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

Identified uses Pre-applied thread sealant.

Uses advised against Use in accordance with supplier's recommendations.

1.3. Details of the supplier of the safety data sheet

Hylomar Ltd. Manufacturer:

Hylo House, Cale Lane, New Springs, Address:

Wigan, Greater Manchester,

UK, WN2 1JT

Telephone number: +44(0)1942 617000 info@hylomar.co.uk E-mail address: Contact person: **Technical Department** 1.4. Emergency telephone 1-760-476-3961

Access code: 333544

number

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Directive 67/548/EEC or 1999/45/EC as amended

This preparation is not classified as dangerous according to Directive 1999/45/EC and its amendments.

Classification according to Regulation (EC) No 1272/2008 as amended

This mixture does not meet the criteria for classification according to Regulation (EC) 1272/2008 as amended.

Hazard summary

Physical hazards Not classified for physical hazards. Health hazards Not classified for health hazards.

Environmental hazards Not classified for hazards to the environment. Specific hazards May cause minor irritation on eye contact.

Main symptoms Direct contact with eyes may cause temporary irritation.

2.2. Label elements

Label according to Regulation (EC) No. 1272/2008 as amended

Hazard pictograms None. Signal word

The mixture does not meet the criteria for classification. **Hazard statements**

Precautionary statements

Prevention Observe good industrial hygiene practices.

Response Wash hands after handling.

Storage Store away from incompatible materials.

Disposal Dispose of waste and residues in accordance with local authority requirements.

Supplemental label information Contains: 3,5,7-Triaza-1-azoniatricyclo[3.3.1.13,7]decane, 1-(3-chloro-2-propenyl)-,chloride. May

produce an allergic reaction.

2.3. Other hazards Not a PBT or vPvB substance or mixture.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

General information

Chemical name % CAS-No. / EC No. REACH Registration No. INDEX No. **Notes**

Titanium dioxide 1-4 13463-67-7

236-675-5

Classification: DSD: -

CLP: -

Triethanolamine 1-4 102-71-6

203-049-8

Classification: DSD: Xi;R36

CLP: Eye Irrit. 2;H319

3,5,7-Triaza-1-azoniatricyclo[3.3.1.13, 0.1 - < 14080-31-3

7]decane, 1-(3-chloro-2-propenyl)-, 223-805-0

chloride

Classification: **DSD:** Xn;R21/22, Xi;R38, R43, R52

CLP: Acute Tox. 4;H302, Acute Tox. 3;H311, Skin Irrit. 2;H315, Skin Sens. 1;H317

List of abbreviations and symbols that may be used above

CLP: Regulation No. 1272/2008. DSD: Directive 67/548/EEC.

All concentrations are in percent by weight unless ingredient is a gas. Gas concentrations are in Composition comments

percent by volume. The full text for all R- and H-phrases is displayed in section 16.

SECTION 4: First aid measures

General information If you feel unwell, seek medical advice (show the label where possible). Ensure that medical

personnel are aware of the material(s) involved, and take precautions to protect themselves. Show

this safety data sheet to the doctor in attendance.

4.1. Description of first aid measures

Inhalation If breathing is difficult, remove to fresh air and keep at rest in a position comfortable for breathing.

Call a physician if symptoms develop or persist.

Skin contact Wash off with soap and water. If skin irritation or rash occurs: Get medical advice/attention.

Remove contact lenses, if present and easy to do. Get medical attention if irritation develops and Eye contact

persists. Rinse with plenty of water.

Rinse mouth. Drink a few glasses of water or milk. Get medical attention if any discomfort Ingestion

continues

4.2. Most important symptoms

and effects, both acute and

delayed

Direct contact with eyes may cause temporary irritation.

4.3. Indication of any immediate medical attention

and special treatment needed

Provide general supportive measures and treat symptomatically.

SECTION 5: Firefighting measures

General fire hazards The product is not flammable.

5.1. Extinguishing media

Suitable extinguishing media

Unsuitable extinguishing Do not use water jet as an extinguisher, as this will spread the fire.

Water spray, foam, dry powder or carbon dioxide.

media

By heating and fire, toxic vapours/gases may be formed.

5.2. Special hazards arising from the substance or mixture

5.3. Advice for firefighters

Special protective Self-contained breathing apparatus and full protective clothing must be worn in case of fire. Selection of respiratory protection for firefighting: follow the general fire precautions indicated in equipment for firefighters

the workplace.

Special fire fighting procedures

Use standard firefighting procedures and consider the hazards of other involved materials. Cool containers exposed to heat with water spray and remove container, if no risk is involved. Prevent runoff from fire control or dilution from entering streams, sewers or drinking water supply.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

For non-emergency

personnel

Avoid inhalation of vapours and contact with skin and eyes. For personal protection, see Section 8

of the SDS.

For emergency responders

Keep unnecessary personnel away. Wear protective clothing as described in Section 8 of this

safety data sheet.

6.2. Environmental precautions

Prevent further leakage or spillage if safe to do so. Do not discharge into drains, water courses or

onto the ground.

6.3. Methods and material for containment and cleaning up Ventilate the area. Dike the spilled material, where this is possible.

Large Spills: Stop the flow of material, if this is without risk. Absorb in vermiculite, dry sand or earth

and place into containers. Following product recovery, flush area with water.

Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to

remove residual contamination.

Never return spills in original containers for re-use.

6.4. Reference to other sections

For personal protection, see Section 8 of the SDS. For waste disposal, see Section 13 of the SDS.

SECTION 7: Handling and storage

7.1. Precautions for safe

handling

Avoid inhalation of vapours and contact with skin and eyes. Wear protective clothing as described in Section 8 of this safety data sheet. Wash thoroughly after handling. Wash contaminated

clothing before reuse. Observe good industrial hygiene practices.

7.2. Conditions for safe storage, including any incompatibilities

Keep containers tightly closed in a dry, cool and well-ventilated place. Store away from

incompatible materials.

7.3. Specific end use(s) Pre-applied thread sealant.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Occupational exposure limits

UK. EH40 Workplace Exposure Limits (WELs)

Components	Туре	Value	Form
Titanium dioxide (CAS 13463-67-7)	TWA	4 mg/m3	Respirable.
		10 mg/m3	Inhalable
Biological limit values	No biological exposure limits noted for the ingredient(s).		
Recommended monitoring procedures	Follow standard monitoring procedures.		
Derived no-effect level (DNEL)	Not available.		
Predicted no effect concentrations (PNECs)	Not available.		

8.2. Exposure controls

controls

Appropriate engineering

Provide adequate ventilation. Observe Occupational Exposure Limits and minimise the risk of

inhalation of vapours.

Individual protection measures, such as personal protective equipment

Personal protective equipment should be chosen according to the CEN standards and in **General information**

discussion with the supplier of the personal protective equipment.

Eve/face protection Skin protection

Risk of contact: Wear approved safety glasses or goggles.

- Hand protection Wear protective gloves. Suitable gloves can be recommended by the glove supplier. Nitrile gloves

are recommended.

Normal work clothing (long sleeved shirts and long pants) is recommended. - Other

Respiratory protection Under normal conditions, respirator is not normally required. In case of inadequate ventilation; It is

recommended to use respiratory equipment with combination filter, type A2/P2.

Thermal hazards Wear appropriate thermal protective clothing, when necessary.

Hygiene measures Always observe good personal hygiene measures, such as washing after handling the material

and before eating, drinking, and/or smoking. Routinely wash work clothing and protective

equipment to remove contaminants.

Environmental exposure

controls

Environmental manager must be informed of all major releases.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance Viscous liquid.

Physical state Liquid.
Form Liquid.

Colour Light blue. Light green.

Odour Almost odorless.
Odour threshold Not applicable.

pH 9

Melting point/freezing point Not available.

Initial boiling point and boiling 100 °C (212 °F)

range

Flash point Not available.

Evaporation rate Not available.

Flammability (solid, gas) Not applicable.

Upper/lower flammability or explosive limits

Flammability limit - lower

Not available.

(%)

Flammability limit - upper

Not available.

(%)

Vapour pressureNot available.Vapour densityNot available.

Relative density 1.05

Relative density temperature 20 °C (68 °F)

Solubility(ies) Completely soluble in water.

Partition coefficient (n-octanol/water)

Auto-ignition temperatureNot available.Decomposition temperatureNot available.Viscosity2400 cStViscosity temperature20 °C (68 °F)Explosive propertiesNot available.Oxidizing propertiesNot available.

9.2. Other information

VOC (Weight %) 0 %

SECTION 10: Stability and reactivity

10.1. Reactivity The product is stable and non reactive under normal conditions of use, storage and transport.

10.2. Chemical stability Material is stable under normal conditions.

10.3. Possibility of hazardous

reactions

No dangerous reaction known under conditions of normal use.

10.4. Conditions to avoidContact with incompatible materials.

10.5. Incompatible materials Strong oxidising agents.

10.6. Hazardous Carbon monoxide. Carbon dioxide. Nitrogen oxides.

decomposition products

SECTION 11: Toxicological information

General information Occupational exposure to the substance or mixture may cause adverse effects.

Information on likely routes of exposure

InhalationNo adverse effects due to inhalation are expected.Skin contactProlonged exposure may cause skin irritation.

May cause eye irritation on direct contact. Eye contact Ingestion may cause irritation and malaise. Ingestion

Direct contact with eyes may cause temporary irritation. **Symptoms**

11.1. Information on toxicological effects

May cause discomfort if swallowed. Acute toxicity

Skin corrosion/irritation Prolonged exposure may cause skin irritation. May cause eye irritation on direct contact. Serious eye damage/eye

irritation

Respiratory sensitisation Not classified

Skin sensitisation The product contains a small amount of sensitising substance which may provoke an allergic

reaction among sensitive individuals in contact with skin.

Germ cell mutagenicity Not classified. Not classified. Carcinogenicity Reproductive toxicity Not classified. Specific target organ toxicity -Not classified. single exposure

Specific target organ toxicity -

repeated exposure

Not classified.

Aspiration hazard

Mixture versus substance

Not classified. Not applicable.

information

Other information No other specific acute or chronic health impact noted.

SECTION 12: Ecological information

12.1. Toxicity The product is not classified as environmentally hazardous. However, this does not exclude the

possibility that large or frequent spills can have a harmful or damaging effect on the environment.

Components Species **Test results**

3,5,7-Triaza-1-azoniatricyclo[3.3.1.13,7]decane, 1-(3-chloro-2-propenyl)-, chloride (CAS 4080-31-3)

Aquatic

LC50 Crustacea Water flea (Ceriodaphnia dubia) 60 - 80 mg/l, 48 hours

12.2. Persistence and

degradability

Not available.

12.3. Bioaccumulative potential The product is not expected to bioaccumulate.

Partition coefficient n-octanol/water (log Kow)

3.5.7-Triaza-1-azoniatricyclo[3.3.1.13,7]decane, -0.1 1-(3-chloro-2-propenyl)-, chloride (CAS 4080-31-3)

Bioconcentration factor (BCF) Not available. 12.4. Mobility in soil No data available.

Mobility in general The product is insoluble in water.

12.5. Results of PBT

and vPvB assessment Not a PBT or vPvB substance or mixture.

None known. 12.6. Other adverse effects

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Residual waste Dispose of in accordance with local regulations. Empty containers or liners may retain some

product residues. This material and its container must be disposed of in a safe manner (see:

Disposal instructions).

Contaminated packaging

Empty containers should be taken to an approved waste handling site for recycling or disposal.

EU waste code 08 04 10

The Waste code should be assigned in discussion between the user, the producer and the waste

disposal company.

Do not discharge into drains, water courses or onto the ground. Collect and reclaim or dispose in Disposal methods/information

sealed containers at licensed waste disposal site. Dispose of contents/container in accordance

with local/regional/national/international regulations.

SECTION 14: Transport information

ADR

Not regulated as dangerous goods.

RID

Not regulated as dangerous goods.

ADN

Not regulated as dangerous goods.

IATA

Not regulated as dangerous goods.

IMDG

Not regulated as dangerous goods.

14.7. Transport in bulk

Not applicable.

according to Annex II of

MARPOL 73/78 and the IBC

Code

SECTION 15: Regulatory information

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

EU regulations

Regulation (EC) No. 1005/2009 on substances that deplete the ozone layer, Annex I

Not listed.

Regulation (EC) No. 1005/2009 on substances that deplete the ozone layer, Annex II

Not listed.

Regulation (EC) No. 850/2004 On persistent organic pollutants, Annex I as amended

Not listed.

Regulation (EC) No. 689/2008 concerning the export and import of dangerous chemicals, Annex I, part 1 as amended Not listed.

Regulation (EC) No. 689/2008 concerning the export and import of dangerous chemicals, Annex I, part 2 as amended Not listed.

Regulation (EC) No. 689/2008 concerning the export and import of dangerous chemicals, Annex I, part 3 as amended Not listed.

Regulation (EC) No. 689/2008 concerning the export and import of dangerous chemicals, Annex V as amended Not listed.

Regulation (EC) No. 166/2006 Annex II Pollutant Release and Transfer Registry

Not listed

Regulation (EC) No. 1907/2006, REACH Article 59(10) Candidate List as currently published by ECHA Not listed.

Authorisations

Regulation (EC) No. 1907/2006, REACH Annex XIV Substances subject to authorization, as amended

Not listed

Restrictions on use

Regulation (EC) No. 1907/2006, REACH Annex XVII Substances subject to restriction on marketing and use as amended Not listed.

Directive 2004/37/EC: on the protection of workers from the risks related to exposure to carcinogens and mutagens at work

Not listed.

Directive 92/85/EEC: on the safety and health of pregnant workers and workers who have recently given birth or are breastfeeding

Not listed.

Other EU regulations

Directive 96/82/EC (Seveso II) on the control of major-accident hazards involving dangerous substances

Not listed.

Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work Not listed.

Directive 94/33/EC on the protection of young people at work

Not listed.

Other regulations

This Safety Data Sheet complies with the requirements of Regulation (EC) No 1907/2006. The product is classified and labelled in accordance with Regulation (EC) 1272/2008 (CLP Regulation) as amended and respective national laws implementing EC directives.

National regulations 15.2. Chemical safety

assessment

References

Follow national regulation for work with chemical agents. No Chemical Safety Assessment has been carried out.

SECTION 16: Other information

List of abbreviations DSD: Directive 67/548/EEC.

> CLP: Regulation No. 1272/2008. DNEL: Derived No-Effect Level.

PNEC: Predicted No-Effect Concentration. PBT: Persistent, bioaccumulative and toxic. vPvB: Very Persistent and very Bioaccumulative. HSDB® - Hazardous Substances Data Bank

Registry of Toxic Effects of Chemical Substances (RTECS)

ESIS (European chemical Substances Information System) Information on evaluation

method leading to the classification of mixture The mixture is classified based on test data for physical hazards. The classification for health and environmental hazards is derived by a combination of calculation methods and test data, if

available. For details, refer to Sections 9, 11 and 12.

Full text of any statements or R-phrases and H-statements under Sections 2 to 15

R21/22 Harmful in contact with skin and if swallowed.

R36 Irritating to eyes. R38 Irritating to skin.

R43 May cause sensitisation by skin contact.

R52 Harmful to aquatic organisms. H302 Harmful if swallowed. H311 Toxic in contact with skin. H315 Causes skin irritation.

H317 May cause an allergic skin reaction. H319 Causes serious eye irritation.

Training information Follow training instructions when handling this material.

Disclaimer The information in the sheet was written based on the best knowledge and experience currently

available.

Microseal 204 SDS UK

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