

PRODUCT: Coolant Seal Permanent Coolant Sealer

REVISION: 4 DATED: 21/03/18

SAFETY DATA SHEET

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY

1.1 Product Identifier

Product Name: **Coolant Seal**

1.2 Details of the supplier of the safety data sheet

Steel Seal Ltd

Automotive Brands Building

30 Bidavon Industrial Estate

Waterloo Road

Bidford

B50 4JN

Tel: +44(0)1789 330668

Email: info@coolantseal.com

1.3 Emergency telephone number

Tel: +44(0)1789 330668 (during usual office hours 8am-5:00pm)

2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

GHS Classification

Acute Toxicity: Oral, Category 4	Exclamation Point	Warning	Harmful if swallowed
Skin Corrosive/Irritation, Category 3	None	Warning	Causes mild skin irritation
Serious Eye Damage/Eye Irritation, category 2A	Exclamation Point	Warning	Causes serious eye irritation

2.2 Label Elements



Signal Word: Warning

Hazard Statements

H302: Harmful if swallowed

H316: Causes mild skin irritation

H319: Serious eye damage/irritation Category 2

Precautionary Statements

P264: Wash hands thoroughly after handling

P270: Do not eat, drink or smoke when using this product.

P280: Wear protective gloves/protective clothing/eye protection/face protection.

P281: Use personal protective equipment as required

P201: Obtain special instructions before use

P202: Do not handle until all safety precautions have been read and understood

Response Phrases

P301+P312: IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.

P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P330: Rinse Mouth

P332+313: If skin irritation occurs, get medical advice/attention.

P337+313: If eye irritation persists, get medical advice/attention.

P308+313: If exposed or concerned: Get medical attention/advice.

P501: Dispose of contents/container in accordance with local regulations.

2.3 Other hazards:

Not classified as PBT or vPvB

2.4 OSHA Regulatory Status

While this material is not classified as hazardous under OSHA regulations, SDS contains information critical to the safe handling and the proper use of the product. This SDS should be retained and available for employees and other users of this product.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient	CAS No.	EC No.	Classification 1272 / 2008	% w/w
Wollastonite Reach Registration: exempt	13983-17-0	237-772-5	Not classified	2 - 10
Wood Pulp Reach Registration: exempt	5996-61-4	111-46-6	Not classified	3 - 10
Zinc, bis (D-gluconato-O1,O2) Reach Registration: exempt	4468-02-4	-	Not classified	< 1
Poly(oxy-1,2-ethanediyl),.alpha - (4-non ylphenyl)-.omega. -hydroxy-,branched Reach Registration: exempt	127087-87	500-315-8	Not classified	< 1
Aquador 2210 Reach Registration: exempt	N/A	N/A	Not classified	< 1
Copper Reach Registration: 01-2119480154-42	7440-50-8	231-159-6	Not classified	< 1
Carbon Fibre Registration: exempt	7440-44-0	N/A	Not Classified	< 1
Linseed Reach Registration: exempt	8001-26-1	232-278-6	Not classified	1 - 2

4. FIRST AID MEASURES

4.1 Description of first aid measures

Inhalation

If symptoms develop, immediately remove person away from exposure and into fresh air. Seek immediate medical attention. If breathing is difficult, administer oxygen. Keep person warm and quiet until medical help arrives.

Skin contact

Remove contained clothing. Wash exposed area with soap and water. If symptoms persist, seek medical attention.

Eye contact

If symptoms develop, immediately remove person away from exposure & into fresh air. Flush eyes gently with water FOR AT LEAST 15 MINUTES while holding eyelids apart. Seek immediate medical attention.

Ingestion

Swallowing small amounts during handling is not likely to cause harmful effects unless it occurred repeatedly over time.

4.2 Most important symptoms and effects, both acute and delayed

EYES: Can cause eye irritation. Symptoms include: Redness, stinging, tearing and swelling.

SKIN CONTACT: Can cause moderate skin irritation. Symptoms include: Redness, burning and delayed skin rash.

INHALATION & INGESTION: Immediate and/or delayed overexposure from breathing, swallowing and skin absorption would result in one or more of the following symptoms: nausea, vomiting, diarrhoea, respiratory irritation, cough, light headedness, weakness and fatigue.

4.3 Indication of any immediate medical attention and special treatment needed

Obtain immediate medical attention.

5. FIRE FIGHTING MEASURES

5.1 Extinguishing Media

Suitable extinguishing media: Compatible with all standard firefighting techniques.

Unsuitable extinguishing media: None known

5.2 Special hazards arising from the substance or mixture

Not applicable. Aqueous solution. Non-combustible.

5.3 Advice for fire-fighters

None.

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Wear suitable protective clothing.

6.2 Environmental precautions

Water is the primary ingredient by percentage weight followed by other ingredients in very low percentages.

6.3 Methods and material for containment and cleaning up

Collect leaking and spilled liquid in sealable containers as much as possible. Use inert absorbent material to collect remaining residue.

6.4 Reference to other sections

See section 8

7. HANDLING AND STORAGE

7.1 Precautions for safe handling

No special handling or storage procedures required.

7.2 Conditions for safe storage, including any incompatibilities

Keep out of reach of children.

7.3 Specific end use(s)

See Annex to the extended Safety Data Sheet ?????? Is there an annex?

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

HAZARDOUS COMPONENTS	CAS No.	OSHA PEL	ACGIH TLV	% w/w
Wollastonite	13983-17-0	No data	No data	No data
Wood Pulp	5996-61-4	No data	No data	No data
Zinc, bis (D-gluconato-O1,O2)	4468-02-4	No data	No data	No data
Poly(oxy-1,2-ethanediyl),.alpha - (4-non ylphenyl)-.omega. -hydroxy-,branched	127087-87	No data	No data	No data
Aquador 2210	N/A	No data	No data	No data
Copper	7440-50-8	No data	No data	No data
Carbon Fibre	7440-44-0	No data	No data	No data
Linseed	8001-26-1	No data	No data	No data

8.2 Exposure controls

Wear protective equipment to comply with good occupational hygiene practice. Do not eat, drink or smoke at the work place.

Appropriate engineering controls

Provide sufficient mechanical ventilation (general and/or exhaust, as needed) to maintain exposure below TLV's.

Respiratory protection

Respiratory protection not normally required. Advice on respiratory protective equipment is given in the HSE (Health and Safety Executive) publication HS(G)53.

Eye protection

Chemical goggles (EN 166) if there is any chance of splashing.

Skin & hand protection

Wear chemically resistant gloves such as natural rubber, nitrile rubber and polyvinyl chloride (PVC).

8.2.3 Environmental exposure controls

No special measures required.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance	Liquid. Light brown coloured liquid that may have some minor sedimentation upon standing.
Odour	Mild Odour
pH value	5.9
Melting point/freezing point	Not Applicable
Boiling point/boiling range	100°C
Flash point	Not applicable
Evaporation rate	Not applicable
Flammability (solid, gas)	Not applicable
Explosive limit ranges	Not applicable
Vapour pressure (mm Hg)	Not applicable
Vapour density (Air=1)	No data
Density	No data
Solubility (Water)	~92%
Solubility (Other)	No data
Partition of coefficient	No data
Auto-ignition temperature	Not applicable
Decomposition temperature	Not applicable
Viscosity	Not applicable
Explosive properties	Not applicable
Oxidising properties	Not applicable

10. STABILITY AND REACTIVITY

10.1 Chemical stability

Stable

10.2 Possibility of hazardous reactions

No hazardous reaction

10.3 Conditions to avoid

Avoid contact with: alkali and alkaline earth, alkali metals, strong acids, strong alkalis and strong oxidizing agents.

10.4 Incompatible materials

See section 10.3

10.5 Hazardous decomposition products

None known

11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Other health effects: This substance has no evidence of carcinogenic properties

11.2 Acute Oral Toxicity

Oral LD50 (rat): 2.83 ml/kg

11.3 Acute inhalation Toxicity

Inhalation LC50 (rat): Not relevant

11.4 Acute Dermal Toxicity

Dermal LD50 (rat): Not relevant

Eye contact – Particles in the eyes may cause irritation and smarting

11.5 Skin Corrosion/Irritation

Based on available data the classification criteria are not met.

11.6 Serious eye damage/eye irritation

May cause serious eye irritation

11.7 Sensitisation

Based on available data the classification criteria are not met.

11.8 Mutagenicity

Not known to be mutagenic.

Carcinogenicity

Not known to be carcinogenic

Reproductive toxicity

No evidence of reproductive toxicity or development of toxicity.

STOT- single exposure

Not classified

STOT-repeated exposure

Not classified.

Aspiration hazard

Not classified

12. ECOLOGICAL INFORMATION

Ecotoxicity: Not regarded as dangerous for the environment

12.1 Acute Fish Toxicity

Not considered toxic to fish

12.2 Persistence and degradability

The product is not readily biodegradable

12.3 Bio accumulative potential

The substance has no potential for bioaccumulation.

12.4 Mobility in soil

Not applicable

12.5 Results of PBT and vPvB assessment

Not classified as PBT or vPvB,

12.6 Other adverse effects

None Known

13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Dispose of in accordance with local and national regulations.

14. TRANSPORT INFORMATION

14.1 UN Number

Not classified according to the United Nations 'Recommendations on the Transport of Dangerous Goods'

14.2 Proper Shipping Name

Not applicable

14.3 Transport hazard class

Not applicable

14.4 Packing group

Not applicable

14.5 Environmental

Not classified as a Marine Pollutant

14.6 Special precautions for users

Unsuitable packaging - Aluminium

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

15. REGULATORY INFORMATION

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

Approved code of practice: Classification and labelling of substances and preparations dangerous for supply. Safety data sheets for substances and preparations.

Guidance notes: Workplace Exposure Limits EH40

EU Legislation: Regulation (EC) No 1907/2006 of the European Parliament and of the council of 18 December 2006 concerning the Registration, Evaluation, Authorisation, and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Directives 91/115/EEC, 93/67/EEC, 93/105EC and 2000/21/EC, including amendments. Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006 with amendments.

15.2 Chemical safety assessment

Information available on request

16. OTHER INFORMATION

Disclaimer

NOTICE: The information presented herein is based on data considered to be accurate as of the date of this Safety Data Sheet. However, an SDS may not be used as a commercial specification sheet of manufacturer or seller, and no warranty or representation, expressed or implied, is made as to the accuracy or comprehensiveness of the foregoing data and safety information, nor is any authorisation given or implied to practice any patented invention without a license. In addition, no responsibility can be assumed by vendor for any damage or injury resulting from abnormal use, from any failure to adhere to recommended practices, or from any hazards inherent in the nature of the material.

Source of key data used to compile the data sheet

Supplier information

Modifications from last revision

N/A

Date: 21/03/18