

Safety Data Sheet

According to Regulation (EC) No. 1907/2006 (REACH)

Trade name: SIO2 INNOVATIONS LTD
Article number: SP001
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Version: 1.1

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

1.1. Product identifier

Product Name: Shine + Protect Spray Sealant
Product Code: SS100

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

Car cleaning and maintenance solution

1.3. Details of the supplier of the safety data sheetSupplier

(manufacturer/importer/only representative/downstream user/distributor)

SILEX INNOVATIONS LTD
Address: 71-75 Shelton Street, London, WC2H 9JQ

Telephone : 0044 (0) 20 3824 4548
Information contact : E-Mail: info@autobead.com

1.4. Emergency telephone number

Emergency tel: 0044 (0) 20 3824 4548

2. SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

- H302: Harmful if swallowed
- H318: Causes serious eye damage

Classification under CHIP

- R22: Harmful if swallowed
- R41: Risk of serious damage to eyes

Most important adverse effects: Irritating to eyes and skin.

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Special rules for supplemental label elements for certain mixtures

None

2.3. Other hazards

No information available.

Other adverse effects

Special danger of slipping by leaking/spilling product.

3. SECTION 3: Composition / information on ingredients

3.1. Mixtures

Hazardous ingredients

No data available

Further ingredients

Water based emulsion containing Silica dioxide, Oil, emulsifying agent and cellulose.

Additional information

No data available

4. SECTION 4: First aid measures

4.1. Description of first aid measures

Skin contact: Wash immediately with plenty of soap and water

Eye contact: Bathe the eye with running water for 15 minutes

Ingestion: Wash out mouth with water

Inhalation: Consult a doctor

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

Skin contact: There may be mild irritation at the site of contact.

Eye contact: There may be irritation and redness.

Ingestion: There may be irritation of the throat.

Inhalation: No symptoms

5. SECTION 5: Firefighting measures

5.1. Extinguishing media

Extinguishing media: Suitable extinguishing media for the surrounding fire should be used. Use water spray to cool containers.

5.2. Special hazards arising from the substance or mixture

No information available.

5.3. Advice for firefighters

Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.

6. SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Refer to section 8 of SDS for personal protection details. Turn leaking containers leak-side up to prevent the escape of liquid.

6.2. Environmental precautions

Do not discharge into drains or rivers. Contain the spillage using bunding.

6.3. Methods and material for containment and cleaning up For cleaning up

Clean-up procedures: Absorb into dry earth or sand. Transfer to a closable, labeled salvage container for disposal by an appropriate method.

6.4. Reference to other sections

None

6.5. Additional information

No data available

7. SECTION 7: Handling and storage

7.1. Precautions for safe handling

Avoid contact with skin and eyes.

Protective measures

Use only in well-ventilated areas. Do not breathe gas/fumes/vapour/spray.

7.2. Conditions for safe storage, including any incompatibilities Requirements for storage rooms and vessels

Keep/Store only in original container.

Store in temperatures between +5 °C and +50 °C

Hints on joint storage

Storage class (TRGS 510) : 12

Further information on storage conditions

Protect containers against damage.

Protect against : Frost

7.3. Specific end use(s)

None

8. SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Occupational exposure limit: Not applicable

8.2. Exposure controls

Personal protection equipment

Eye/face protection

Eye glasses with side protection

Skin protection: Protective clothing.

Hand protection

The quality of the protective gloves resistant to chemicals must be chosen as a function of the specific working place concentration and quantity of hazardous substances.

Suitable material : Butyl caoutchouc (butyl rubber) NBR (Nitrile rubber)

Breakthrough time (maximum wearing time) : 480 minutes. Check leak tightness/impermeability prior to use. For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.

Respiratory protection

Usually no personal respirative protection necessary.

General health and safety measures

Avoid contact with skin, eyes and clothes. Remove contaminated, saturated clothing. Wash hands before breaks and after work. Keep away from food, drink and animal feeding stuffs.

8.3. Additional information

No data available

9. SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance

Physical state : liquid

Colour : White

Odour: light.

Safety relevant basis data

Melting point/melting range :		ca.	-1°C
Initial boiling point and boiling range :	1.013 hPa	ca.	100°C
Flash point :			>100°C
Ignition temperature :		ca.	440°C
Vapour pressure :	(20 °C)	ca.	29 hPA
Vapour pressure :	(50 °C)	ca.	120 hPA
Vapour pressure :	(55 °C)	ca.	165 hPA
Density :	(20 °C)	ca.	1 g/cm ³
PH :	(50 °C)	ca.	6
Log P O/W :			
Solid content :		ca.	36 Wt %
Kinematic viscosity :	(25 °C)	ca.	10 mm ² /s

9.2. Other information

No data available

10. SECTION 10: Stability and reactivity

10.1. Reactivity

Stable under recommended transport or storage conditions.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

Hazardous reactions will not occur under normal transport or storage conditions.
Decomposition may occur on exposure to conditions or materials listed below.

10.4. Conditions to avoid

- Heat

10.5. Incompatible materials

Materials to avoid: Strong oxidizing agents. Strong acids.

10.6. Hazardous decomposition products

Measurements have shown the formation of small amounts of formaldehyde at temperatures above about 150 °C (302 °F) through oxidation.

10.7. Additional information

No data available

11. SECTION 11: Toxicological information

11.1. 11.1 Information on toxicological effects

Acute effects

Acute oral toxicity

Parameter :	LD50 (POLYDIMETHYLSILOXANE)
Exposure route :	Oral
Species :	Rat
Effective dose :	> 5000 mg/kg

Acute dermal toxicity

Parameter :	LD50 (POLYDIMETHYLSILOXANE)
Exposure route :	Dermal
Species :	Rabbit
Effective dose :	> 10000 mg/kg

Acute inhalation toxicity

Parameter :	LC50 (POLYDIMETHYLSILOXANE)
Exposure route :	Inhalation
Species :	Rat
Effective dose :	> 535 mg/kg
Exposure time :	1h

Specific symptoms in animal studies

No data available

Irritant and corrosive effects

Primary irritation to the skin

No data available

Irritation to eyes

Parameter :	Irritation to eyes
Result :	Not an irritant
Method :	EpiOcular OCL-200-EIT

Irritation to respiratory tract

No data available

Sensitisation

In case of skin contact

No data available

In case of inhalation

No data available

Repeated dose toxicity (subacute, subchronic, chronic)

No data available

CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)

11.2. Additional information

May produce an allergic reaction.

12. SECTION 12: Ecological information

12.1. 12.1 Toxicity

Aquatic toxicity

Acute (short-term) fish toxicity

Parameter :	LC0 (POLYDIMETHYLSILOXANE)
Species :	Leuciscus idus (golden orfe)
Evaluation parameter :	Acute (short-term) fish toxicity
Effective dose :	200 mg/l
Exposure time :	96 h

Bacteria toxicity

Parameter :	EC0 (POLYDIMETHYLSILOXANE)
Species :	Pseudomonas putida
Effective dose :	> 10000 mg/l

12.2. Persistence and degradability

Abiotic degradation

No data available

Biodegradation

No data available

12.3. Bioaccumulative potential

No indication of bioaccumulation potential.

12.4. Mobility in soil

Readily absorbed into soil.

12.5. Results of PBT and vPvB assessment

No data available

12.6. Other adverse effects

Negligible ecotoxicity.

13. SECTION 13: Disposal considerations

13.1. Waste treatment methods

The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

14. SECTION 14: Transport information

14.1. 14.1 UN number

No dangerous goods in sense of this transport regulation.

14.2. 14.2 UN proper shipping name

No dangerous goods in sense of this transport regulation.

14.3. 14.3 Transport hazard class(es)

No dangerous goods in sense of this transport regulation.

Can freeze under temperatures under 5 °C

Keep away from food

14.4. 14.4 Packing group

No dangerous goods in sense of this transport regulation.

14.5. 14.5 Environmental hazards

No dangerous goods in sense of this transport regulation.

14.6. Special precautions for user

None

15. SECTION 15: Regulatory information

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

National regulations

Technische Anleitung Luft (TA-Luft)

None

Water hazard class (WGK)

Not water-endangering according to appendix 4 VwVwS

15.2. Chemical Safety Assessment

No information available.

16. SECTION 16: Other information

16.1. 16.1 Indication of changes

02. Classification of the substance or mixture · 02. Label elements · 02. Labelling according to Regulation (EC) No. 1272/2008 [CLP] · 03. Hazardous ingredients · 03. Further ingredients

16.2. Abbreviations and acronyms

REACH - Registration, Evaluation, Authorisation of Chemicals

GHS - Globally Harmonised System of Classification and Labeling

CLP - Classification, Labeling and Packaging of Substances and Mixtures

CAS - Chemical Abstract Service

TWA - Time Weighted Average

DNEL/DMEL - Derived No Effect Level

PNEC - Predicted No Effect Concentration

STP - Sewage Treatment Plant

TRGS - Technical Rules for Hazardous Substances (German Regulations)

STEL - Short-term Exposure Limit

TLV - threshold limit value

AGW - Occupational threshold limit value

RCP - Reciprocal Calculation Procedure

ATE - Acute Toxicity Estimate

MAK Threshold limit values Germany

LD50 - Lethal Dose, 50%

LC50 - Lethal concentration, 50%

OECD - Organization for Economic Cooperation and Development

NOAEL - No Observed Adverse Effect Level

EC50 - half maximal effective concentration

NOEC - No Observed Effect Concentration

PBT - Persistent, Bioaccumulative, Toxic

vPvB - very Persistent, very Bioaccumulative

ADR/RID - European Agreement concerning the International Carriage of Dangerous Goods by Road (Accord européen relatif au transport international des marchandises Dangereuses par Route)/Regulations Concerning the International Transport of Dangerous Goods by Rail (Règlement concernant le transport International ferroviaire de marchandises Dangereuses)

IMDG - International Maritime Dangerous Goods Code

ICAO - International Civil Aviation Association

IATA - International Air Transport Association

VwVws - German administrative regulation on the classification of substances hazardous to water into water hazard classes

16.3. Relevant H- and EUH-phrases (Number and full text)

H302 Harmful if swallowed.

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

H318 Causes serious eye damage.

H400 Very toxic to aquatic life.

H412 Harmful to aquatic life with long lasting effects.