

SAFETY DATA SHEET

Issuing date 12-Jun-2012

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Version 1.00

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

1.1 Product identifier

Product name Soluguard Multi-Surface Biocide

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

Recommended Use Internal/external surface biocide for fungi, mould and algae on masonry, concrete and driveways

Uses advised against No information available.

1.3 Details of the supplier of the safety data sheet

Company Information Safeguard Europe Ltd.,
Redkiln Close,
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For further information, please contact:

E-mail Address info@safeguardeurope.com

1.4 Emergency telephone number

Emergency telephone +44 (0) 1403 210 204 office hours

SECTION 2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008

Not Classified

Classification according to EU Directives 67/548/EEC or 1999/45/EC

Not classified

2.2 Label elements

None

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2.3 Other information

May cause skin and eye irritation

This preparation contains no substance considered to be persistent, bioaccumulating nor toxic (PBT)

This preparation contains no substance considered to be very persistent nor very bioaccumulating (vPvB)

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

3.2 Mixtures

Chemical Name	EC-No	CAS-No	Weight %	Classification (67/548)	Classification (Reg. 1272/2008)	REACH Registration Number
Didecyldimonium chloride	230-525-2	7173-51-5	1-10	Xn; R22 C; R34	Acute Tox. 4 (H302) Skin Corr. 1B (H314) GHS05,GHS07 (Dgr)	no data available
Propan-2-ol	200-661-7	67-63-0	0.1-3	F; R11 Xi; R36 R67	Eye Irrit. 2 (H319) STOT SE 3 (H336) Flam. Liq. 2 (H225) GHS02,GHS07 (Dgr)	no data available

For the full text of R-phrases and H-Statements see Section 16

SECTION 4. FIRST AID MEASURES

4.1 Description of first-aid measures

Eye contact	Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. If symptoms develop obtain medical attention.
Skin contact	Wash off immediately with plenty of water. If symptoms develop obtain medical attention. Remove and wash contaminated clothing before re-use.
Ingestion	Do NOT induce vomiting. Wash out mouth with water and give 100 - 200 ml of water to drink. If symptoms develop obtain medical attention.
Inhalation	Remove to fresh air and keep at a rest position. If symptoms develop obtain medical attention.

4.2 Most important symptoms and effects, both acute and delayed

Main Symptoms Contact with eyes may cause irritation.

4.3 Indication of any immediate medical attention and special treatment needed

Notes to physician Treat symptomatically.

SECTION 5. FIRE-FIGHTING MEASURES

5.1 Extinguishing media

Suitable Extinguishing Media

Water spray, dry chemical, carbon dioxide (CO₂), or foam

Extinguishing media which shall not be used for safety reasons

Do not use a solid water stream as it may scatter and spread fire.

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5.2 Special hazards arising from the substance or mixture

Thermal decomposition can lead to release of irritating and toxic gases and vapors: Carbon monoxide (CO). Carbon dioxide (CO₂). Nitrogen oxides (NO_x). Hydrogen chloride. Hydrogen cyanide.

5.3 Advice for firefighters

As in any fire, wear self-contained breathing apparatus and full protective gear.

SECTION 6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation. Avoid contact with eyes. Avoid breathing vapors or mists. Use personal protective equipment. For personal protection see section 8

6.2 Environmental precautions

Should not be released into the environment. Local authorities should be advised if significant spillages cannot be contained.

6.3 Methods and materials for containment and cleaning up

Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13).

6.4 Reference to other sections

See Section 8. Waste Disposal Methods: See also section 13.

SECTION 7. HANDLING AND STORAGE

7.1 Precautions for safe handling

Remove all sources of ignition. Ensure adequate ventilation. Avoid contact with eyes. Avoid breathing vapors or mists. Wear personal protective equipment. For personal protection see section 8. Keep away from open flames, hot surfaces and sources of ignition.

Do not eat, drink or smoke during work.

7.2 Conditions for safe storage, including any incompatibilities

Store in a dry place. Store in a closed container. Keep away from heat and sources of ignition. Keep at a temperature not exceeding 25 °C

7.3 Specific end uses

Internal/external surface biocide for fungi, mould and algae on masonry, concrete and driveways

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SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

Exposure limits Ingredients with workplace control parameters:

Chemical Name	Propan-2-ol 67-63-0
The United Kingdom	STEL: 500 ppm STEL: 1250 mg/m ³ TWA: 400 ppm TWA: 999 mg/m ³
France	VLCT: 400 ppm VLCT: 980 mg/m ³
Spain	VLA-EC: 400 ppm VLA-EC: 1000 mg/m ³ VLA-ED: 200 ppm VLA-ED: 500 mg/m ³
Germany	MAK: 200 ppm MAK: 500 mg/m ³ Ceiling / Peak: 400 ppm Ceiling / Peak: 1000 mg/m ³ TWA: 200 ppm TWA: 500 mg/m ³
Portugal	STEL: 400 ppm TWA: 200 ppm
Finland	TWA: 200 ppm TWA: 500 mg/m ³ STEL: 250 ppm STEL: 620 mg/m ³
Denmark	TWA: 200 ppm TWA: 490 mg/m ³
Austria	STEL 800 ppm STEL 2000 mg/m ³ MAK: 200 ppm MAK: 500 mg/m ³
Switzerland	STEL: 400 ppm STEL: 1000 mg/m ³ MAK: 200 ppm MAK: 500 mg/m ³
Poland	NDSch: 1200 mg/m ³ NDS: 900 mg/m ³ Skin
Norway	TWA: 100 ppm TWA: 245 mg/m ³ STEL: 150 ppm STEL: 306.25 mg/m ³
Ireland	TWA: 200 ppm STEL: 400 ppm Skin

Derived No Effect Level (DNEL) No information available

Predicted No Effect Concentration (PNEC) No information available

8.2 Exposure controls

Appropriate engineering controls Provide adequate ventilation, including appropriate local extraction, to ensure that occupational exposure limits are not exceeded

Personal protective equipment

Eye Protection Tightly fitting safety goggles (EN 166)
Hand Protection Rubber gloves (EN 374)
Skin and body protection Long sleeved clothing
Respiratory protection No special protective equipment required

Hygiene measures Handle in accordance with good industrial hygiene and safety practice.

Environmental Exposure Controls Avoid release to the environment. Local authorities should be advised if significant spillages cannot be contained.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Physical state Liquid
Appearance aqueous solution
Odor Alcohol

Soluguard Multi-Surface Biocide

Color No information available
Odor Threshold No information available

<u>Property</u>	<u>Values</u>	<u>Remarks • Methods</u>
pH		No information available
Melting/freezing point		No information available
Freezing Point		No information available
Boiling point/boiling range		No information available
Flash Point		No information available
Evaporation rate		No information available
Flammability (solid, gas)		Not applicable
Flammability Limits in Air		No information available
upper flammability limit		
lower flammability limit		
Vapor pressure		No information available
Vapor density		No information available
Relative density		No information available
Water solubility		Completely miscible
Solubility in other solvents		No information available
Partition coefficient: n-octanol/water		No information available
Autoignition temperature		No information available
Decomposition temperature		No information available
Viscosity, kinematic		No information available
Viscosity, dynamic		No information available
Explosive properties	No information available	
Oxidizing Properties	No information available	

9.2 Other information

Softening point No information available
Molecular Weight No information available
VOC Content(%) No information available
Density No information available
Bulk Density No information available

SECTION 10. STABILITY AND REACTIVITY

10.1 Reactivity

No data available

10.2 Chemical stability

Stable under normal conditions.

10.3 Possibility of hazardous reactions

None known.

10.4 Conditions to Avoid

No information available

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10.5 Incompatible Materials

No information available

10.6 Hazardous Decomposition Products

Thermal decomposition can lead to release of irritating and toxic gases and vapors: Carbon dioxide (CO₂). Carbon monoxide (CO). Nitrogen oxides (NO_x). Hydrogen chloride. Hydrogen cyanide.

SECTION 11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute toxicity

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
Didecyldimonium chloride	84 mg/kg (Rat)		
Propan-2-ol	4396 mg/kg (Rat)	12800 mg/kg (Rat) 12870 mg/kg (Rabbit)	72.6 mg/L (Rat) 4 h

Skin corrosion/irritation May cause skin irritation.

Serious Damage/Eye Irritation May cause eye irritation.

Respiratory or Skin Sensitisation Not Classified

Mutagenicity Not classified

Carcinogenicity Not classified

Chemical Name	European Union	IARC
Propan-2-ol		Group 3

Reproductive toxicity Not Classified

STOT - Single exposure Not classified

STOT - Repeated exposure Not classified

Aspiration hazard Not Applicable

Other information No information available

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SECTION 12. ECOLOGICAL INFORMATION

12.1 Toxicity

Chemical Name	Toxicity to algae	Toxicity to fish	Toxicity to daphnia and other aquatic invertebrates
Propan-2-ol	>1000: 72 h <i>Desmodesmus subspicatus</i> mg/L EC50 >1000: 96 h <i>Desmodesmus subspicatus</i> mg/L EC50	11130: 96 h <i>Pimephales promelas</i> mg/L LC50 static 9640: 96 h <i>Pimephales promelas</i> mg/L LC50 flow-through >1400000: 96 h <i>Lepomis macrochirus</i> mg/L LC50	13299: 48 h <i>Daphnia magna</i> mg/L EC50

12.2 Persistence and degradability

Product is biodegradable

12.3 Bioaccumulative potential

Chemical Name	log Pow
Propan-2-ol	0.05

12.4 Mobility in soil

No information available.

12.5 Results of PBT and vPvB assessment

This preparation contains no substance considered to be persistent, bioaccumulating nor toxic (PBT). This preparation contains no substance considered to be very persistent nor very bioaccumulating (vPvB).

12.6 Other adverse effects

No information available.

SECTION 13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Waste from residues / unused products

Dispose of in accordance with local regulations.

Contaminated packaging

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

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SECTION 14. TRANSPORT INFORMATION

Not classified as hazardous for transport

	ADR/RID/ADN	ICAO/IATA	IMDG / IMO
14.1 UN Number	-	-	-
14.2 Proper shipping name	Not Applicable	Not Applicable	Not Applicable
14.3 Transport hazard class(es)	-	-	-
14.4 Packing group	-	-	-
14.5 Environmental Hazards	Not Classified	Not Classified	Not Classified
14.6 Special precautions for users	No special precautions are needed in handling this material		
14.7 Transport in bulk according to 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

This material safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006
Classification according to Regulation (EC) No 1272/2008

15.2 Chemical Safety Assessment

No information available

SECTION 16. OTHER INFORMATION

Full text of R-phrases referred to under sections 2 and 3

R11 - Highly flammable
R22 - Harmful if swallowed
R34 - Causes burns
R36 - Irritating to eyes
R67 - Vapors may cause drowsiness and dizziness

Full text of H-Statements referred to under sections 2 and 3

H225 - Highly flammable liquid and vapor
H302 - Harmful if swallowed
H314 - Causes severe skin burns and eye damage

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Revision Note not applicable.

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

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Disclaimer

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