

SAFETY DATA SHEET

RENDERGUARD GOLD

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Revision date: 28/03/2018

Revision No: 2.4

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

1.1. Product identifier

Product name: RENDERGUARD GOLD

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

Use of substance / mixture: Salt Retardant Additive

1.3. Details of the supplier of the safety data sheet

Company name: Safeguard Europe Ltd

Redkiln Close

Redkiln Way

Horsham

West Sussex

RH13 5QL

United Kingdom

Tel: +44 (0) 1403 210204

Fax: +44 (0) 1403 217529

Email: info@safeguardeurope.com

1.4. Emergency telephone number

Emergency tel: +44 (0) 1403 210204 (Office Hours 0830-1700)

Section 2: Hazards identification

2.1. Classification of the substance or mixture

Classification under CLP: Eye Dam. 1: H318; Skin Irrit. 2: H315

Most important adverse effects: Causes skin irritation. Causes serious eye damage.

2.2. Label elements

Label elements:

Hazard statements: H315: Causes skin irritation.

H318: Causes serious eye damage.

Hazard pictograms: GHS05: Corrosion



Signal words: Danger

Precautionary statements: P264: Wash hands thoroughly after handling.

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

P302+352: IF ON SKIN: Wash with plenty of water/.

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P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P310: Immediately call a.

P321: Specific treatment (see instructions on this label).

2.3. Other hazards

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

Section 3: Composition/information on ingredients

3.2. Mixtures

Hazardous ingredients:

SODIUM METASILICATE PENTAHYDRATE - REACH registered number(s): 01-2119449811-37

EINECS	CAS	PBT / WEL	CLP Classification	Percent
229-912-9	10213-79-3	-	Met. Corr. 1: H290; Skin Corr. 1B: H314; Eye Dam. 1: H318; STOT SE 3: H335	1-10%

FATTY ACIDS, TALL-OIL

263-107-3	61790-12-3	Substance with a Community workplace exposure limit.	-	1-10%
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Contains: Sodium Metasilicate

Tall Oil Fatty Acids

Section 4: First aid measures

4.1. Description of first aid measures

Skin contact: Remove all contaminated clothes and footwear immediately unless stuck to skin. Wash immediately with plenty of soap and water.

Eye contact: Bathe the eye with running water for 15 minutes. Transfer to hospital for specialist examination.

Ingestion: Wash out mouth with water. Do not induce vomiting. If conscious, give half a litre of water to drink immediately. Consult a doctor.

Inhalation: Remove casualty from exposure ensuring one's own safety whilst doing so.

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

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

Eye contact: There may be pain and redness. The eyes may water profusely. There may be severe pain. The vision may become blurred. May cause permanent damage.

Ingestion: There may be soreness and redness of the mouth and throat. Nausea and stomach pain may occur.

Inhalation: There may be irritation of the throat with a feeling of tightness in the chest.

Delayed / immediate effects: Immediate effects can be expected after short-term exposure.

[cont...]

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

Immediate / special treatment: Eye bathing equipment should be available on the premises.

Section 5: Fire-fighting 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

Exposure hazards: In combustion emits toxic fumes.

5.3. Advice for fire-fighters

Advice for fire-fighters: Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.

Section 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions: Mark out the contaminated area with signs and prevent access to unauthorised personnel. Do not attempt to take action without suitable protective clothing - see section 8 of SDS. Turn leaking containers leak-side up to prevent the escape of liquid.

6.2. Environmental precautions

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

6.3. Methods and material for containment and cleaning up

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

6.4. Reference to other sections

Reference to other sections: Refer to section 8 of SDS.

Section 7: Handling and storage

7.1. Precautions for safe handling

Handling requirements: Avoid direct contact with the substance. Ensure there is sufficient ventilation of the area. Avoid the formation or spread of mists in the air.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions: Store in a cool, well ventilated area. Keep container tightly closed.

7.3. Specific end use(s)

Specific end use(s): No data available.

Section 8: Exposure controls/personal protection

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8.1. Control parameters

Hazardous ingredients:

FATTY ACIDS, TALL-OIL

Workplace exposure limits:

Respirable dust

State	8 hour TWA	15 min. STEL	8 hour TWA	15 min. STEL
EU	5 mg/m3	10 mg/m3	-	-

DNEL/PNEC Values

Hazardous ingredients:

SODIUM METASILICATE PENTAHYDRATE

Type	Exposure	Value	Population	Effect
DNEL	Dermal; Long term	1.49 mg/kg/day	Workers	-
DNEL	Inhalation; Long term	6.22 mg/m3	Workers	-
DNEL	Dermal; Long term	0.74 mg/kg/day	Consumers	-
DNEL	Inhalation; Long term	1.55 mg/m3	Consumers	-
DNEL	Oral; Long term	0.74 mg/kg/day	Consumers	-
PNEC	Fresh water	7.5 mg/l	-	-
PNEC	Marine water	1 mg/l	-	-
PNEC	Water, Intermittent release	7.5 mg/l	-	-
PNEC	STP	1000 mg/l	-	-

8.2. Exposure controls

Engineering measures: Ensure there is sufficient ventilation of the area.

Respiratory protection: Self-contained breathing apparatus must be available in case of emergency.

Hand protection: Protective gloves.

Eye protection: Tightly fitting safety goggles. Ensure eye bath is to hand.

Skin protection: Protective clothing.

Section 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

State: Liquid

Colour: Yellow

Odour: Characteristic odour

Evaporation rate: No data available.

Oxidising: No data available.

Solubility in water: Miscible

Viscosity: No data available.

Boiling point/range °C: No data available.

Melting point/range °C: No data available.

Flammability limits %: lower: No data available.

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Flash point °C: No data available. **upper:** No data available.
Autoflammability °C: No data available. **Part.coeff. n-octanol/water:** No data available.
Relative density: 1.03 **Vapour pressure:** No data available.
VOC g/l: No data available. **pH:** 11-12

9.2. Other information

Other information: No data available.

Section 10: Stability and reactivity

10.1. Reactivity

Reactivity: Stable under recommended transport or storage conditions.

10.2. Chemical stability

Chemical stability: Stable under normal conditions.

10.3. Possibility of hazardous reactions

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

Conditions to avoid: Heat.

10.5. Incompatible materials

Materials to avoid: Strong oxidising agents. Strong acids.

10.6. Hazardous decomposition products

Haz. decomp. products: In combustion emits toxic fumes.

Section 11: Toxicological information

11.1. Information on toxicological effects

Hazardous ingredients:

FATTY ACIDS, TALL-OIL

DERMAL	RBT	LD50	>2000	mg/kg
ORAL	RAT	LD50	>10000	mg/kg

Relevant hazards for product:

Hazard	Route	Basis
Skin corrosion/irritation	DRM	Hazardous: calculated
Serious eye damage/irritation	OPT	Hazardous: calculated

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Excluded hazards for substance:

Hazard	Route	Basis
Acute toxicity (ac. tox. 4)	-	Based on available data the classification criteria are not met
Acute toxicity (ac. tox. 3)	-	Based on available data the classification criteria are not met
Acute toxicity (ac. tox. 2)	-	Based on available data the classification criteria are not met
Acute toxicity (ac. tox. 1)	-	Based on available data the classification criteria are not met
Respiratory/skin sensitisation	-	Based on available data the classification criteria are not met
Germ cell mutagenicity	-	Based on available data the classification criteria are not met
Carcinogenicity	-	Based on available data the classification criteria are not met
Reproductive toxicity	-	Based on available data the classification criteria are not met
STOT-single exposure	-	Based on available data the classification criteria are not met
STOT-repeated exposure	-	Based on available data the classification criteria are not met
Aspiration hazard	-	Based on available data the classification criteria are not met

Symptoms / routes of exposure

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

Eye contact: There may be pain and redness. The eyes may water profusely. There may be severe pain. The vision may become blurred. May cause permanent damage.

Ingestion: There may be soreness and redness of the mouth and throat. Nausea and stomach pain may occur.

Inhalation: There may be irritation of the throat with a feeling of tightness in the chest.

Delayed / immediate effects: Immediate effects can be expected after short-term exposure.

Section 12: Ecological information

12.1. Toxicity

Hazardous ingredients:

SODIUM METASILICATE PENTAHYDRATE

Daphnia magna	48H EC50	1700	mg/l
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Scenedesmus Subspicatus	72H ErC50	207	mg/l
ZEBRAFISH (Brachydanio rerio)	96H LC50	210	mg/l

FATTY ACIDS, TALL-OIL

Daphnia magna	48H EL50	>1000	mg/l
GREEN ALGA (Selenastrum capricornutum)	72H EL50	>1000	mg/l
ZEBRAFISH (Brachydanio rerio)	96H LL50	>10000	mg/l

12.2. Persistence and degradability

Persistence and degradability: Biodegradable.

12.3. Bioaccumulative potential

Bioaccumulative potential: No bioaccumulation potential.

12.4. Mobility in soil

Mobility: Readily absorbed into soil.

12.5. Results of PBT and vPvB assessment

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

12.6. Other adverse effects

Other adverse effects: Negligible ecotoxicity.

Section 13: Disposal considerations

13.1. Waste treatment methods

Disposal operations: Transfer to a suitable container and arrange for collection by specialised disposal company.

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

Section 14: Transport information

Transport class: This product does not require a classification for transport.

Section 15: Regulatory information

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

Specific regulations: Not applicable.

15.2. Chemical Safety Assessment

Chemical safety assessment: A chemical safety assessment has not been carried out for the substance or the mixture by the supplier.

Section 16: Other information

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Other information

Other information: This safety data sheet is prepared in accordance with Commission Regulation (EU) No 2015/830.

This safety data sheet is prepared in accordance with Commission Regulation (EC) No 1272/2008.

* indicates text in the SDS which has changed since the last revision.

Acronyms and Abbreviations

MUS - Mouse

RBT - Rabbit

OPT - Optical

DRM - Dermal

Phrases used in s.2 and s.3: H290: May be corrosive to metals.

H314: Causes severe skin burns and eye damage.

H315: Causes skin irritation.

H318: Causes serious eye damage.

H335: May cause respiratory irritation.

Legal disclaimer: The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.