

SAFETY DATA SHEET

Conforms to Regulations (EC) No. 1907/2006 (REACH), No. 1272/2008 (CLP) and amendments - Europe



Product identifier: **MOSS-STOP** Version: 3.0 Date of revision: 19/02/2019

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY/UNDERTAKING

- 1.1 Product identifier: **MOSS-STOP**
- 1.1.1 Trade names: **MOSS-STOP- For roofs**
MOSS-STOP- For wooden facades and fences
MOSS-STOP- For stone and concrete
- 1.2 Relevant identified uses of the substance or mixture and uses advised against:
Anti-moss successfully and maximally effectively allows getting free from growth of moss and algae on roofs, walls, facades, fences, pathways, garden furniture, and family monuments and different other places, which are affected by the problem.
- 1.3 Details of the supplier of the safety data sheet:
Manufacturer: **RK69 Grupa, LTD**

Jelgavas street 68, Riga, LV - 1004, Latvia
Tel.: +371 67 454405
E-mail: info@rk69.com; www.rk69.com
- 1.4 Emergency telephone number: **EU:112**
Emergency telephone for other regions to be filled out by local business.

SECTION 2: HAZARDS IDENTIFICATION

- 2.1 Classification of the substance or mixture
Skin Corr. 1B H314 Causes severe skin burns and eye damage
Aquatic Chronic H411 Toxic to aquatic life with long lasting effects
- 2.2 Label elements
Pictogram:
- 
- Signal word: **Danger**
- Hazardous ingredients: **Contains: Quaternary ammonium compounds, di-C8-10-alkyldimethyl, chlorides.**
- Hazard statements: **H314 Causes severe skin burns and eye damage.**
H411 Toxic to aquatic life with long lasting effects.
- Precautionary statements: **P102 Keep out of reach of children.**
P264 Wash hands thoroughly after handling
P301+ P330 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
+ P331
P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P405 Store locked up.
P501 Dispose of contents/container in accordance with local regulation.

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- 2.3 Other hazards: Product does not meet the criteria for PBT or vPvB in accordance with Annex XIII of REACH (Regulation (EC) No 1907/2006).

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

- 3.1 Substances
Not applicable

- 3.2 Mixtures

<u>Ingredient name</u>	<u>EC number</u>	<u>CAS No</u>	<u>REACH reg. No</u>	<u>Concentration, %</u>	<u>Classification according to Regulation (EC) 1272/2008 (CLP)</u>
Quaternary ammonium compounds, di-C8-10-alkyldimethyl, chlorides	270-331-5	68424-95-3	01-2120769330-57-xxxx	9	Skin Corr. 1B H314 Acute Tox 3 H301 Aquatic Acute H400 Aquatic Chronic H410

Occupational exposure limits, if available, are listed in section 8. For the wording of the listed hazard phrases refer to section 16.

SECTION 4: FIRST AID MEASURES

- 4.1 Description of first aid measures

General: In all cases of doubt, or when symptoms persist, seek medical advice. If medical advice is needed, have product container or label at hand.

Inhalation: Provide fresh air and rest. If symptoms persist, seek medical advice.

Eye contact: Rinse cautiously with water for 10 - 15 minutes. Call a doctor immediately.

Skin contact: Immediately rinse cautiously with water for at least 30 minutes. Call a doctor immediately. If symptoms persist, seek medical advice.

Ingestion: Rinse mouth. If symptoms persist, seek medical advice (have product container or label at hand, if possible).

- 4.2 Most important symptoms and effects, both acute and delayed:
Eye contact: Causes severe skin burns and eye damage.
Inhalation: In high concentrations, may cause respiratory irritation and sneezing
Skin contact: Causes severe skin burns and eye damage.
Ingestion: May cause gastrointestinal irritation.
- 4.3 Indication of any immediate medical attention and special treatment needed:
Treat symptomatically.

SECTION 5: FIRE-FIGHTING MEASURES

- 5.1 Extinguishing media:

Suitable extinguishing media: The product is not flammable. Use extinguishing measures that are appropriate to the surrounding environment.

Unsuitable extinguishing media: Unknown.

- 5.2 Special hazards arising from the substance or mixture: Unknown.

- 5.3 Advice for firefighters: Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus. Fire water contaminated with

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this material must be contained and prevented from being discharged to any waterway, sewer or drain.

5.4 Further information -

SECTION 6: ACCIDENTAL RELEASE MEASURES

- 6.1 Personal precautions, protective equipment and emergency procedures: Prevent unauthorized persons from being at work. Wear protective clothing, gloves and respirator. Wash contaminated clothing before reuse.
- 6.2 Environmental precautions: Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air). Water polluting material. May be harmful to the environment if released in large quantities. Collect spillage.
- 6.3 Methods and material for containment and cleaning up: Rinse with plenty of water. Dilute the residue and rinse with water.
- 6.4 Reference to other sections:
See Section 1 for emergency contact information.
See Section 8 for information on appropriate personal protective equipment.
See Section 13 for additional waste treatment information

SECTION 7: HANDLING AND STORAGE

- 7.1 Precautions for safe handling: Observe general requirements when handling chemicals. Avoid contact with skin and eyes. Do not eat, drink or smoke during work. Wash hands during breaks and after work. Wash contaminated clothing before reuse.
- 7.2 Conditions for safe storage, including any incompatibilities: Store in the original container. Keep tightly closed. Do not freeze.
- 7.3 Specific end use(s)
See point 1.2.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

- 8.1 Control parameters:
Occupational exposure limits: Not specified
- 8.2 Exposure controls:
Appropriate engineering
Controls:
Individual protection measures: Follow good manufacturing practice guidelines. Avoid contact with skin and eyes. Do not eat, drink or smoke during work. Wash hands during breaks and after work. Wash contaminated clothing before reuse.
Respiratory protection: When treating the surface with the spraying method, it is recommended to use a respirator with a type P2 filter.
Eye/face protection: It is recommended to use protective goggles during spraying.
Hand protection: It is recommended to use protective gloves during spraying.

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9 SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance:	Liquid
Physical state	Liquid
Colour:	Colourless
Odour:	Odourless
Odour threshold:	Not applicable
pH (20°C):	~ 7
Melting point/freezing point:	Not available
Initial boiling point and boiling range:	Not available
Decomposition temperature:	Not available
Relative density:	Not available
Flash point:	> 50 °C
Evaporation rate:	Not available
Auto-ignition temperature:	Product is not flammable
Upper/lower flammability or explosive limits:	Product is not explosive
Vapour pressure:	Not available
Solubility(ies):	Soluble in water
Viscosity:	Not available
Vapour density:	Not available
Partition coefficient: n-octanol/water:	Not available

9.2 Other information

Not available

SECTION 10: STABILITY AND REACTIVITY

10.1	Reactivity	No known reactions according to our database.
10.2	Chemical stability	Stable under normal conditions of storage and use.
10.3	Possibility of hazardous reactions	Under normal conditions of storage and use, hazardous reactions will not occur.
10.4	Conditions to avoid	No special precautions required.
10.5	Incompatible materials	Not known.
10.6	Hazardous decomposition products	Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute toxicity:	<u>Quaternary ammonium compounds, di-C8-10-alkyldimethyl, chlorides</u>
	LD50 oral (rat): 238 mg/kg/bw/d
	LD50 dermal (rabbit): 3342 mg/kg/bw/d

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SECTION 11: TOXICOLOGICAL INFORMATION

Eye contact:	Causes severe skin burns and eye damage.
Inhalation:	-
Skin contact:	Causes severe skin burns and eye damage.
Ingestion	Based on available data, the classification criteria are not met.
Skin corrosion/irritation	
Serious eye damage/irritation	Causes severe skin burns and eye damage.
Respiratory or 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-single exposure	Based on available data, the classification criteria are not met.
aspiration hazard.	Based on available data, the classification criteria are not met.
Other information	Information is not available.

SECTION 12: ECOLOGICAL INFORMATION

- 12.1 Toxicity
Toxic to aquatic life with long lasting effects.
Acute toxicity: Quaternary ammonium compounds, di-C8-10-alkyldimethyl, chlorides
EC₅₀: 0,011 - 0,099 mg/l
NOEC: 0,010 - 0,099 mg/l
- 12.2 Biodegradation: Information is not available.
- 12.3 Bioaccumulative potential: Information is not available.
- 12.4 Mobility in soil: Information is not available.
- 12.5 Results of PBT and vPvB assessment: Product (and ingredients) does not meet the criteria for PBT or vPvB in accordance with Annex XIII of REACH (Regulation (EC) No 1907/2006).
- 12.6 Other adverse effects: Not known.

SECTION 13: DISPOSAL CONSIDERATIONS

- 13.1 Waste treatment methods
General information: Dispose of contents/container in accordance with local regulation. Product or containers must not be disposed together with household garbage. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.
- European waste catalogue (EWC): European waste catalogue (EWC) for product: 07 06 99
European waste catalogue (EWC) for packaging 15 01 02

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Recommended Water
cleaning agent:

SECTION 14: TRANSPORT INFORMATION



- 14.1. UN number**
UN3082
- 14.2. UN proper shipping name**
IMDG: Environmentally hazardous substance (Quaternary ammonium compounds, di-C8-10-alkyldimethyl, chlorides)
IATA Environmentally hazardous substance (Quaternary ammonium compounds, di-C8-10-alkyldimethyl, chlorides)
ADR Environmentally hazardous substance (Quaternary ammonium compounds, di-C8-10-alkyldimethyl, chlorides)
RID Environmentally hazardous substance (Quaternary ammonium compounds, di-C8-10-alkyldimethyl, chlorides)
- 14.3. Transport hazard class(es)**
IMDG: 9
IATA 9
ADR 9
RID 9
- 14.4. Packing group**
IMDG: III
IATA III
ADR III
RID III
- 14.5. Environmental hazards**
IMDG: Not known
IATA Not known
ADR Not known
RID Not known
- 14.6. Special precautions for user**
IMDG: Not applicable
IATA Not applicable
ADR Not applicable
RID Not applicable
ADR Not applicable
- 14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code**
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SECTION 15: REGULATORY INFORMATION

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

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EU regulations: EC Regulation No. 1906/2007 and EC Regulation No. 1272/2008 of the European Parliament and the European Council;
Regulation (EC) No. 1907/2006 of the European Parliament and Council on registration, evaluation, authorization and restriction of chemical substances (REACH);
EC Regulation No. 2037/2000 of the European Parliament and Council from 29 June 2000 on substances that damage the ozone layer;
EC Regulation No. 689/2008 of the European Parliament and Council from 17 June 2008 concerning the export and import of dangerous chemicals;
EC Regulation No. 850/2004 of the European Parliament and Council from 29 April 2004 about persistent organic pollutants;
Directive 2008/98/EC of the European Parliament and Council of 19 November 2008 on waste and repealing certain Directives

15.2 Chemical safety assessment
Not performed.

SECTION 16: OTHER INFORMATION

Product classification according to: Calculation method.

Abbreviations and acronyms: CLP: Classification, Labelling and Packaging Regulation [Regulation (EC) No.1272/2008] ADR: The European Agreement concerning the International Carriage of Dangerous Goods by Road RID: International Rule for Transport of Dangerous Substances by Railway
IMDG: International Maritime Code for Dangerous Goods
IATA: International Air Transport Association
CAS: Chemical Abstracts Service
EINECS: European Inventory of Existing Commercial chemical Substances
LC50: Median lethal concentration
LD50: Median lethal dose
REACH: Registration, Evaluation and Authorisation of Chemicals
PBT: Persistent, bio-accumulative and toxic
vPvB: Very persistent, very bio-accumulative
bw: Body weight.
NOAEL no observed adverse effect level
NOEL no observed effect level
LOAEL lowest observed adverse effect level
Skin corrosion/irritation, Hazard Category 1, Sub-Category 1B
H314 - Causes severe skin burns and eye damage.
Acute toxicity (oral), Hazard Category 3
H301 - Toxic if swallowed
Hazardous to the aquatic environment – Acute Hazard, Category 1
H400 - Very toxic to aquatic life.
Hazardous to the aquatic environment - Chronic Hazard, Category 1
H410 - Very toxic to aquatic life with long lasting effects.

Further information: Version: 3

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END OF SAFETY DATA SHEET