

Safety Data Sheet

Rapid¹⁴Si[®]

SDS (formerly MSDS)

According to Regulation (EC)
No. 453/2010

Date: 12/05/2021



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

1.1. Product identifier	
Product form:	Mixture
Product name:	Rapid Si+
1.2. Relevant identified uses of the substance or mixture and uses advised against	
1.2.1. Relevant identified uses	
Use of the substance/mixture:	Stimulates growth of vegetation
1.2.2. Uses advised against	
No additional information available	
1.3. Details of the supplier of the safety data sheet	
ROAM TECHNOLOGY NV I.Z. Poort Genk 6835, Geleenlaan 24 3600 Genk / BELGIUM T 0032 89 44 00 42 info@roamtechnology.com	
1.4. Emergency telephone number	

Country	Official advisory body	Address	Emergency number
BELGIUM	Centre Anti-Poisons/Antigifcentrum c/o Hôpital Central de la Base - Reine Astrid	Rue Bruyn 1 B -1120 Bruxelles/Brussel	+32 70 245 245


Section 2. Hazards identification

2.1. Classification of the substance or mixture	
Classification according to Regulation (EC) No. 1272/2008 [CLP]	
Skin Corr. 1A	H314
Full text of H-phrases:	see section 16
Classification according to Directive 67/548/EEC or 1999/45/EC	
Not classified	

Adverse physicochemical, human health and environmental effects:

No additional information available.

2.2. Label elements
Labelling according to Regulation (EC) No. 1272/2008 [CLP]:

Hazard pictograms (CLP):	 GHS05
Signal word (CLP):	Danger
Hazard statements (CLP):	H314 - Causes severe skin burns and eye damage.
Precautionary statements (CLP):	P264 - Wash hands thoroughly after handling. P280 - Wear protective gloves/protective clothing/eye protection/face protection. P301+P330+P331 - IF SWALLOWED: rinse mouth. Do NOT induce vomiting 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 according to local/national regulations.
2.3. Other hazards	
No additional information available	

Section 3. Composition/information on ingredients

3.1. Substances

Not applicable.

3.2. Mixture

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
polyethylene glycols	(CAS No) 25322-68-3 (EC no) 500-038-2	46 - 48	Not classified
silicic acid	(CAS No) 1343-98-2 (EC no) 215-683-2	2.6	Eye Irrit. 2, H319 STOT SE 3, H335
Full text of H-statements: see Section 16			

Section 4. First aid measures

4.1. Description of first aid measures	
First-aid measures general:	If you feel unwell, seek medical advice.
First-aid measures after inhalation:	Remove the victim into fresh air. Respiratory problems: consult a doctor/medical service.
First-aid measures after skin contact:	Rinse with water. Soap may be used. Do not apply (chemical) neutralizing agents. Take victim to a doctor if irritation persists.
First-aid measures after eye contact:	Rinse with water. Do not apply neutralizing agents. Take victim to an ophthalmologist if irritation persists.
First-aid measures after ingestion:	Rinse mouth with water. Immediately after ingestion: give lots of water to drink. Call Poison Information Centre (www.big.be/antigif.htm). Consult a doctor/medical service if you feel unwell.
4.2. Most important symptoms and effects, both acute and delayed	
Symptoms/injuries after inhalation	EXPOSURE TO HIGH CONCENTRATIONS: Irritation of the respiratory tract. Irritation of the nasal mucous membranes.
Symptoms/injuries after skin contact	No data available.
Symptoms/injuries after eye contact	Redness of the eye tissue.
Symptoms/effects after ingestion:	No data available.
4.3. Indication of any immediate medical attention and special treatment needed	
No additional information available	

Section 5. Firefighting measures

5.1. Extinguishing media	
Suitable extinguishing media:	Water spray. Alcohol-resistant foam. Dry chemical powder. Carbon dioxide.
Unsuitable extinguishing media:	No unsuitable extinguishing media known.
5.2. Special hazards arising from the substance or mixture	
Fire hazard:	DIRECT FIRE HAZARD. Not easily combustible. INDIRECT FIRE HAZARD. Temperature above flashpoint: higher fire/explosion hazard.

5.3. Advice for firefighters	
Precautionary measures fire:	Exposure to fire/heat: keep upwind. Exposure to fire/heat: have neighbourhood close doors and windows.
Firefighting instructions:	No specific fire-fighting instructions required.
Protection during firefighting:	Heat/fire exposure: compressed air/oxygen apparatus.

Section 6. Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures	
6.1.1. For non-emergency personnel	
Protective equipment:	Gloves. Protective clothing.
Emergency procedures:	Mark the danger area. No naked flames. Wash contaminated clothes.
6.1.2. For emergency responders	
No additional information available	
6.2. Environmental precautions	
No additional information available	
6.3. Methods and material for containment and cleaning up	
For containment:	Contain released substance, pump into suitable containers. Plug the leak, cut off the supply. Knock down/dilute dust cloud with water spray. Powdered form: no compressed air for pumping over spills.
Methods for cleaning up:	Scoop solid spill into closing containers. Powdered: do not use compressed air for pumping over spills. See "Material-handling" for suitable container materials. Clean contaminated surfaces with an excess of water. Wash clothing and equipment after handling.
6.4. Reference to other sections	
No additional information available	

Section 7. Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling	Comply with the legal requirements. Clean contaminated clothing. Thoroughly clean/dry the installation before use. Powdered form: no compressed air for pumping over. Avoid raising dust. Keep away from naked flames/heat. Finely divided: spark- and explosionproof appliances. Finely divided: keep away from ignition sources/sparks. Observe normal hygiene standards. Keep container tightly closed. Carry operations in the open/under local exhaust/ventilation or with respiratory protection.
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7.2. Conditions for safe storage, including any incompatibilities

Heat and ignition sources:	KEEP SUBSTANCE AWAY FROM: heat sources. ignition sources.
Prohibitions on mixed storage:	KEEP SUBSTANCE AWAY FROM: oxidizing agents. (strong) acids. (strong) bases. moisture.
Storage area:	Store in a dry area. Keep container in a well-ventilated place. May be stored under nitrogen. Meet the legal requirements.
Special rules on packaging:	SPECIAL REQUIREMENTS: closing. dry. Clean. correctly labelled. meet the legal requirements.
Packaging materials:	SUITABLE MATERIAL: stainless steel. carbon steel. MATERIAL TO AVOID: copper.

7.3. Specific end use(s)

No additional information available

Section 8. Exposure controls/personal protection

8.1. Control parameters

No additional information available

8.2. Exposure controls

Materials for protective clothing	GIVE EXCELLENT RESISTANCE: No data available. GIVE GOOD RESISTANCE: No data available. GIVE LESS RESISTANCE: No data available. GIVE POOR RESISTANCE: No data available.
Hand protection	Gloves.
Eye protection	Safety glasses.
Skin and body protection	Protective clothing.

Section 9. Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state:	Liquid
Appearance:	Liquid.
Colour:	White to light yellow.
Odour:	Odourless.
Odour threshold:	No data available.
pH (1/100):	Max. 2,6
Relative evaporation rate (butylacetate=1)	No data available
Melting point:	-65 ; - 63 °C
Freezing point:	No data available.
Boiling point:	No data available.
Flash point:	kg/m ³ Refer to product datasheet.
Self ignition temperature:	Soluble in water. Water: Refer to product datasheet.
Decomposition temperature:	No data available.
Flammability (solid, gas):	Not applicable.
Vapour pressure:	No data available.
Relative vapour density at 20 °C:	No data available
Relative density:	No data available
Density:	1,115 kg/l
Solubility:	No data available
Log Pow:	< 3 (Polyethylene glycol)
Viscosity, kinematic:	No data available
Viscosity, dynamic:	No data available
Explosive properties:	No data available
Oxidising properties:	No data available
Explosive limits:	No data available

9.2. Other information

No additional information available

Section 10. Stability and reactivity

10.1. Reactivity

Upon combustion: CO and CO₂ are formed. Reacts with (strong) oxidizers. Reacts with (some) acids.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

No additional information available

10.4. Conditions to avoid

No additional information available

10.5. Incompatible materials

No additional information available

10.6. Hazardous decomposition products

No additional information available

Section 11. Toxicological information

11.1. Information on toxicological effects

Acute toxicity:

Not classified

Rapid Si+

LD50 oral rat

> 15000 mg/kg (Rat)

polyethylene glycols (25322-68-3)

LD50 oral rat

> 15000 mg/kg (Rat)

Skin corrosion/irritation	Causes severe skin burns and eye damage. pH: 2 - 3
Serious eye damage/irritation	Eye damage, category 1, implicit pH: 2 - 3
Respiratory or skin sensitisation	Not classified
Germ cell mutagenicity	Not classified
Carcinogenicity	Not classified
Reproductive toxicity	Not classified
Specific target organ toxicity (single exposure)	Not classified
Specific target organ toxicity (repeated exposure)	Not classified
Aspiration hazard	Not classified

Section 12. Ecological information

12.1. Toxicity	
Ecology - air:	TA-Luft Klasse 5.2.1.
Ecology - water:	Mild water pollutant (surface water). Not harmful to fishes (LC50(96h) >1000 mg/l).
Rapid Si+	
LC50 fishes 1	> 1000 mg/l (96 Hours; Pisces; Polyethylene glycol)
LC50 other aquatic organisms 1	> 1000 mg/l (96 Hours; Polyethylene glycol)
polyethylene glycols (25322-68-3)	
LC50 fishes 1	> 1000 mg/l (96 h; Pisces)
LC50 fishes 1	> 1000 mg/l (96 h)
Threshold limit other aquatic organisms 1	> 1000 mg/l (96 h)
12.2. Persistence and degradability	
Rapid Si+	
Persistence and degradability	Not readily biodegradable in water. No (test)data on mobility of the substance available.

polyethylene glycols (25322-68-3)

Persistence and degradability	Not readily biodegradable in water. No (test) data on mobility of the substance available.
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silicic acid (1343-98-2)

Persistence and degradability	Biodegradability: not applicable.
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Biochemical oxygen demand (BOD)	Not applicable
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Chemical oxygen demand (COD)	Not applicable
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ThOD	Not applicable
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BOD (% of ThOD)	Not applicable
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12.3. Bioaccumulative potential

Rapid Si+

Log Pow	< 3 Polyethylene glycol
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polyethylene glycols (25322-68-3)

Log Pow	< 3
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Bioaccumulative potential	Low potential for bioaccumulation (Log Kow < 4).
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silicic acid (1343-98-2)

Bioaccumulative potential	No bioaccumulation data available.
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12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

No additional information available

Section 13. Disposal considerations

13.1. Waste treatment methods	
Waste disposal recommendations:	Remove waste in accordance with local and/or national regulations. Hazardous waste shall not be mixed together with other waste. Different types of hazardous waste shall not be mixed together if this may entail a risk of pollution or create problems for the further management of the waste. Hazardous waste shall be managed responsibly. All entities that store, transport or handle hazardous waste shall take the necessary measures to prevent risks of pollution or damage to people or animals. Recycle by distillation. Remove to an authorized waste incinerator for solvents with energy recovery. Do not discharge into surface water.
Additional information:	LWCA (the Netherlands): KGA category 03. Hazardous waste according to Directive 2008/98/EC.
EURAL code:	07 01 04* - other organic solvents, washing liquids and mother liquors

Section 14. Transport information

In accordance with ADR / RID / IMDG / IATA / ADN	
14.1. UN number	
No dangerous good in sense of transport regulations	
14.2. UN proper shipping name	
Not applicable	
14.3. Transport hazard class(es)	
Transport hazard class(es):	Not applicable.
14.4. Packing group	
Packing group:	Not applicable.
14.5. Environmental hazards	
Dangerous for the environment:	No.
Marine pollutant:	No.
Other information:	No supplementary information available.

14.6. Special precautions for user

14.6.1. Overland transport

No additional information available

14.6.2. Transport by sea

No additional information available

14.6.3. Air transport

No additional information available

14.6.4. Inland waterway transport

No additional information available

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

Not applicable

Section 15. Regulatory information

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

15.1.1. EU-Regulations

No REACH Annex XVII restrictions
Contains no REACH candidate substance

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15.1.2. National regulations

No additional information available

15.2. Chemical safety assessment

No additional information available

Section 16. Other information

Data sources:	The information in this safety data sheet is based on data and samples provided to BIG. The sheet was written to the best of our ability and according to the state of knowledge at that time. The safety data sheet only constitutes a guideline for the safe handling, use, consumption, storage, transport and disposal of the substances/preparations/mixtures mentioned under point 1. New safety data sheets are written from time to time. Only the most recent versions may be used. Old versions must be destroyed, unless indicated otherwise word for word on the safety data sheet, the information does not apply to substances/preparations/mixtures in purer form, mixed with other substances or in processes. The safety data sheets offers no quality specification for the substances/preparations/mixtures in questions.
Full text of H- and EUH-phrases:	
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
Skin Corr. 1A	Skin corrosion/irritation, Category 1A
STOT SE 3	Specific target organ toxicity – Single exposure, Category 3, Respiratory tract irritation
H314	Causes severe skin burns and eye damage
H319	Causes serious eye irritation
H335	May cause respiratory irritation

SDS EU (REACH Annex II)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product



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