

Product Raketerm
 Revision date 06 November 2018
 Revision 1

Safety Data Sheet (SDS)

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

1.1 Product identifier

Product name Raketerm
Synonyms, Trade names No information available.

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

Identified uses No specific uses identified.
Uses advised against No uses advised against are identified.

1.3 Details of the supplier of the safety data sheet

Supplier Rake AS
 A.H.Tammsaare 47
 11316 Tallinn
 Estonia
 Tel: +372 6314 491
Contact person rake@rake.ee

1.4 Emergency telephone number

Emergency telephone + 372 5047 652 (24 hours/day, 7 days/week)

Section 2: Hazards identification

2.1 Classification of the substance or mixture

Classification (EC 1272/2008)
 Physical and chemical hazards Not classified
 Human health Eye Dam. 1 - H318, Skin. Sens 1 B- H317
 Environment Not classified

2.2 Label elements

Contains Cement, portland, chemicals
 butan-2-one O,O',O''-(methylsilylydyne)trioxime

Label in accordance with (EC) no. 1272/2008



Signal word Danger

Hazard statements H317 May cause an allergic skin reaction.
 H318 Causes serious eye damage.

Precautionary statements

Prevention
 P261 Avoid breathing dust/fume/ gas/mist/vapours/spray.
 P272 Contaminated work clothing should not be allowed out of the workplace.
 P280 Wear protective gloves/ protective clothing/eye protection/face protection.

Response
 P308 + P313 IF exposed or concerned: Get medical advice/ attention.
 P310 Immediately call a POISON CENTER or doctor/physician.
 P363 Wash contaminated clothing before reuse.

2.3 Other hazards

None known.

Section 3: Composition/identification of ingredients**3.1 Substance**

Not applicable.

3.2 Mixtures

Name	Product identifier	Reg. EU 1272/2008	%
Cement, portland, chemicals	CAS-No.: 65997-15-1 EC No.: 266-043-4	Skin Irrit.2 - H315, Skin. Sens 1 B- H317, Eye Dam. 1 - H318, STOT SE 3 - H335	1-10%
Hydrocarbons, C12-C15, n-alkanes, isoalkanes < 2% aromatics	CAS-No.: EC No.: 920-107-4 REACH Reg No.: 01-2119453414-43-XXXX	Asp. Tox - H304	0-1%
butan-2-one O,O',O''-(methylsilyldiyl)trioxime	CAS-No.: 22984-54-9 EC No.: 245-366-4 REACH Reg No.: 01-2119970560-38-XXXX	Eye Irrit.2A - H319, Skin. Sens 1 B- H317, STOT RE 2 - H373	0-1%
trimethoxy(methyl)silane	CAS-No.: 1185-55-3 EC No.: 214-685-0 REACH Reg No.: 01-2119517436-40-XXXX	Flam. Liq 2- H225	0-1%
toluene	CAS-No.: 108-88-3 EC No.: 203-625-9 REACH Reg No.: 01-2119471310-51-XXXX	Skin Irrit.2 - H315, Asp. Tox - H304, Flam. Liq 2- H225, Repr. 2 - H361, STOT SE 3 - H336, STOT RE 2 - H373	0-1%

The full text for all hazard statements are displayed in section 16.

Composition comments

The data shown are in accordance with the latest EC Directives.

Section 4: First aid measures**4.1 Description of first aid measures**

General information	General first aid, rest, warmth and fresh air.
Inhalation	If inhaled, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
Ingestion	Do not induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.
Skin contact	Wash off with soap and plenty of water. Wash contaminated clothing before reuse. Seek medical attention if skin irritation or rash occurs.
Eye contact	Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Seek medical attention if irritation develops and persists.

4.2 Most important symptoms and effects, both acute and delayed

General information	The severity of the symptoms described will vary dependant of the concentration and the length of exposure.
Inhalation	No specific symptoms noted.
Ingestion	No specific symptoms noted.
Skin contact	May cause an allergic skin reaction.
Eye contact	Causes serious eye damage.

4.3 Indication of any immediate medical attention and special treatment needed

Notes to the physician	Immediately call a POISON CENTER or doctor/physician.
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Section 5: Fire-fighting measures

5.1 Extinguishing media

Extinguishing media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Unsuitable extinguishing media	Not available.

5.2 Special hazards arising from the substance or mixture

Hazardous combustion products	None under normal conditions.
Unusual fire & explosion hazards	No unusual fire or explosion hazards noted.
Specific hazards	No specific hazards are identified for the product.

5.3 Advice for firefighters

Special fire fighting procedures	Avoid breathing fire vapours. Keep up-wind to avoid fumes. Fight advanced or massive fires from safe distance or protected location.
Protective equipment for firefighters	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents.

Section 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions	Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Wear personal protective equipment as described in Section 8.
For emergency responders	Follow safe handling advice and personal protective equipment recommendations for normal use of product.

6.2 Environmental precautions

Environmental precautions	Do not discharge into drains, water courses or onto the ground.
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6.3 Methods and material for containment and cleaning up

Spill clean up methods	Keep in suitable, closed containers for disposal.
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6.4 Reference to other sections

Reference to other sections	See section 1 for emergency contact. For personal protection, see section 8. For waste disposal, see section 13.
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Section 7: Handling and storage

7.1 Precautions for safe handling

Handling	Avoid contact with skin and eyes. Do not ingest. Do not breathe vapours. Use personal protective equipment as required. Wash thoroughly after handling. Do not eat, drink or smoke when using this product. Wash hands thoroughly after handling. Remove contaminated clothing and protective equipment before entering eating areas.
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7.2 Conditions for safe storage, including any incompatibilities

Storage precautions	Keep container tightly closed. Store in a cool and dark place.
Storage class	Unspecified storage.

7.3 Specific end use(s)

Specific end use(s)	Not available.
Usage description	Use only according to directions.

Section 8: Exposure controls/Personal protection

8.1 Control parameters

Component	STD	TWA (8 Hrs)		STEL (15mins)		Notes
Cement, portland, chemicals	OEL		10 mg/m ³			
Cement, portland, chemicals	OEL		4 mg/m ³			
Cement, portland, chemicals	OEL		1 (R) mg/m ³			
toluene	OEL	50 ppm	192 mg/m ³	100 ppm	384 mg/m ³	

Ingredient comments Ireland, Occupational Exposure Limits 2018.

8.2 Exposure Controls

Protective equipment

Engineering measures

Provide adequate ventilation, including appropriate local extraction, to ensure that the defined occupational exposure limit is not exceeded.

Respiratory equipment

Use respirators and components tested and approved under appropriate government standards such as CEN (EU).

Hand protection

Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product

Eye protection

Wear safety goggles or face shield to prevent any possibility of eye contact. Use equipment for eye protection tested and approved under appropriate government standards such as EN 166(EU).

Other protection

Wear suitable protective clothing as protection against splashing or contamination.

Hygiene measures

Do not eat, drink or smoke when using this product. Wash hands thoroughly after handling.

Process conditions

Remove contaminated clothing and protective equipment before entering eating areas. Keep container tightly sealed when not in use.

Section 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance	No information available.
Colour	No information available.
Odour	No odour information available.
Odour threshold - lower	No information available.
Odour threshold - upper	No information available.
pH-Value, Conc. Solution	No information available.
pH-Value, Diluted solution	No information available.
Melting point	No information available.
Initial boiling point and boiling range	No information available.
Flash point	No information available.
Evaporation rate	No information available.
Flammability state	No information available.
Flammability limit - lower(%)	No information available.
Flammability limit - upper(%)	No information available.
Vapour pressure	No information available.
Vapour density (air=1)	No information available.
Relative density	No information available.
Bulk density	No information available.
Solubility	No information available.

Decomposition temperature	No information available.
Partition coefficient; n-Octanol/Water	No information available.
Auto ignition temperature (°C)	No information available.
Viscosity	No information available.
Explosive properties	Not classified as explosive.
Oxidising properties	No information available.

9.2 Other information

Molecular weight	No information available.
Volatile organic compound	No information available.
Other information	None noted.

Section 10: Stability and reactivity

10.1 Reactivity

Reactivity	Stable under recommended transport or storage conditions.
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10.2 Chemical stability

Stability	Stable under normal temperatures and pressures.
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10.3 Possibility of hazardous reactions

Hazardous reactions	No dangerous reactions known.
Hazardous polymerisation	Unknown.
Polymerisation description	No information available.

10.4 Conditions to Avoid

Conditions to avoid	None known.
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10.5 Incompatible materials

Materials to avoid	None noted.
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10.6 Hazardous decomposition products

Hazardous decomposition products	None under normal conditions.
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Section 11: Toxicological information

11.1 Information on toxicological effects

Toxicological information	Not available.
Acute toxicity (Oral LD50)	No information available.
Acute toxicity (Dermal LD50)	No information available.
Acute toxicity (Inhalation LD50)	No information available.
Serious eye damage/irritation	Causes serious eye damage.
Skin corrosion/irritation	No information available.
Respiratory sensitisation	No information available.
Skin sensitisation	No information available.
Germ cell mutagenicity	No information available.

Carcinogenicity	No information available.
Specific target organ toxicity - Single exposure:	
STOT - Single exposure	No information available.
Specific target organ toxicity - Repeated exposure:	
STOT - Repeated exposure	No information available.
Inhalation	No specific symptoms noted.
Ingestion	No specific symptoms noted.
Skin contact	May cause an allergic skin reaction.
Eye contact	Causes serious eye damage.
Waste management	When handling waste, consideration should be made to the safety precautions applying to handling of the product.
Routes of entry	No information available.
Target organs	Eyes and skin.
Aspiration hazards:	No information available.
Reproductive toxicity:	No information available.

Section 12: Ecological information

12.1 Toxicity

Acute toxicity - Fish	No information available.
Acute toxicity - Aquatic invertebrates	No information available.
Acute toxicity - Aquatic plants	No information available.
Acute toxicity - Microorganisms	No information available.
Chronic toxicity - Fish	No information available.
Chronic toxicity - Aquatic invertebrates	No information available.
Chronic toxicity - Aquatic plants	No information available.
Chronic toxicity - Microorganisms	No information available.
Ecotoxicity	No Ecological information on the finished product.
Eco toxicological information	Not classified as dangerous for the environment according to the criteria of Regulation (EC) No 1272/2008.

12.2 Persistence and degradability

Degradability	No data available.
Biological oxygen demand	No information available.
Chemical oxygen demand	No information available.

12.3 Bioaccumulative potential

Bioaccumulative potential	No data available.
Bioaccumulation factor	No information available.
Partition coefficient; n-Octanol/Water	No information available.

12.4 Mobility in soil

Mobility	No data available.
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12.5 Results of PBT and vPvB assessment

Results of PBT and vPvB assessment	No data available.
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12.6 Other adverse effects

Other adverse effects	No data available.
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Section 13: Disposal considerations

Waste management	When handling waste, consideration should be made to the safety precautions applying to handling of the product.
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13.1 Waste treatment methods

Disposal methods	Contact a licensed professional waste disposal service. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber. Contaminated packing must be emptied of all residues and, following appropriate cleaning, may be sent to a recycling plant. Uncleaned packaging must be disposed of in the same manner.
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Section 14: Transport information**14.1 UN number**

UN no. (ADR)	Not applicable.
UN no. (IMDG)	Not applicable.
UN no. (IATA)	Not applicable.

14.2 UN proper shipping name

ADR proper shipping name	Not applicable.
IMDG proper shipping name	Not applicable.
IATA proper shipping name	Not applicable.

14.3 Transport hazard class(es)

ADR class	Not applicable.
IMDG class	Not applicable.
IATA class	Not applicable.

Transport labels	Not applicable
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14.4 Packing group

ADR/RID/ADN packing group	Not applicable.
IMDG packing group	Not applicable.
IATA packing group	Not applicable.

14.5 Environmental hazards

ADR	No
IMDG	No
IATA	No

14.6 Special precautions for user

EMS	Not applicable.
Emergency action code	Not applicable.
Hazard no. (ADR)	Not applicable.
Tunnel restriction code	Not applicable.

14.7 Transport in bulk according to annex II of MARPOL73/78 and the IBC code**Section 15: Regulatory information****15.1 Safety, health and environmental regulations/Legislation specific for the substance or mixture**

EU legislation	Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006 with amendments. The UN Globally Harmonized System (GHS) Safety Data Sheet format (Annex IV) is implemented as Annex II of REACH EU No 453/2010 of 20th May 2010 amending regulation (EC) No 1907/2006.
Approved code of practice	2018 Code of Practice for the Chemical Agents Regulations in accordance with section 60 of the Safety, Health and Welfare at Work Act 2005 (No. 10 of 2005).
Chemical safety assessment	No chemical safety assessment has been carried out.

Section 16: Other information

General information	This Safety Data Sheet is in accordance with Reach Regulation (EC) No 453/2010.
Revision comments	This is a first issue.
Revision date	06 November 2018
Revision	1
Safety data sheet status	Approved.

Hazard statements in full

H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H335	May cause respiratory irritation.
H304	May be fatal if swallowed and enters airways.
H319	Causes serious eye irritation.
H373	May cause damage to organs through prolonged or repeated exposure .
H332	Harmful if inhaled.
H225	Highly flammable liquid and vapour.
H336	May cause drowsiness or dizziness.
H361	Suspected of damaging fertility or the unborn child .
H302	Harmful if swallowed.
H314	Causes severe skin burns and eye damage.
H331	Toxic if inhaled.
H400	Very toxic to aquatic life.

Disclaimer

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.