According to REACH Regulation (EC) No 1907/2006, as amended by UK REACH Regulations SI 2019/758



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#### SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Trade name : SikaRapid®-800 ECO

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

Product use : Special system

1.3 Details of the supplier of the safety data sheet

Company name of supplier : Sika Limited

Watchmead Welwyn Garden City

Hertfordshire. AL7 1BQ +44 (0)1707 394444

Telephone : +44 (0)1707 394444
Telefax : +44 (0)1707 329129
E-mail address of person : EHS@uk.sika.com

responsible for the SDS

1.4 Emergency telephone number

National Chemical Emergency Centre (NCEC) 24 Hour Emergency Telephone Number +44 870 190 6777

**SECTION 2: Hazards identification** 

2.1 Classification of the substance or mixture

Classification (REGULATION (EC) No 1272/2008)

Serious eye damage, Category 1 H318: Causes serious eye damage.

2.2 Label elements

Labelling (REGULATION (EC) No 1272/2008)

Hazard pictograms :

不多

Signal word : Danger

Hazard statements : H318 Causes serious eye damage.

Precautionary statements : **Prevention**:

P280 Wear eye protection/ face protection.

Response:

P305 + P351 + P338 + P310 IF IN EYES: Rinse cautiously

with water for several minutes. Remove con-

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tact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/ doctor.

#### Hazardous components which must be listed on the label:

sodium thiocyanate

#### **Additional Labelling**

**EUH208** 

Contains 2-octyl-2H-isothiazole-3-one (OIT). May produce an allergic reaction.

#### 2.3 Other hazards

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

Ecological information: The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

Toxicological information: The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

### **SECTION 3: Composition/information on ingredients**

#### 3.2 Mixtures

Components

Chemical name	CAS-No.	Classification	Concentration
	EC-No.		(% w/w)
	Registration number		
sodium nitrate	7631-99-4	Ox. Sol. 3; H272	>= 10 - < 20
	231-554-3	Eye Irrit. 2; H319	
	01-2119488221-41-		
	XXXX		

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sodium thiocyanate	540-72-7 208-754-4 01-2119543700-47- XXXX	Acute Tox. 4; H302 Acute Tox. 4; H332 Acute Tox. 4; H312 Eye Dam. 1; H318 Aquatic Chronic 3; H412 EUH032  specific concentration limit EUH032 > 30 %	>= 10 - < 20
lactic acid	50-21-5 200-018-0	Skin Irrit. 2; H315 Eye Dam. 1; H318	>= 3 - < 5
2,2'-iminodiethanol	111-42-2 203-868-0 01-2119488930-28- XXXX	Acute Tox. 4; H302 Skin Irrit. 2; H315 Eye Dam. 1; H318 STOT RE 2; H373 Repr. 2; H361fd	>= 0,1 - < 0,5

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2-octyl-2H-isothiazole-3-one (OIT)	26530-20-1 247-761-7 01-2120768921-45- XXXX	Acute Tox. 3; H301 Acute Tox. 2; H330 Acute Tox. 3; H311 Skin Corr. 1; H314 Eye Dam. 1; H318 Skin Sens. 1A; H317 Aquatic Acute 1; H400 Aquatic Chronic 1; H410 EUH071	>= 0,0002 - < 0,0015
		M-Factor (Acute aquatic toxicity): 100100 M-Factor (Chronic aquatic toxicity): 100100	
		specific concentration limit Skin Sens. 1A; H317 >= 0,0015 %	
		Acute toxicity esti- mate	
		Acute oral toxicity: 125 mg/kg 125 mg/kg Acute inhalation tox- icity (dust/mist): 0,27 mg/l	
		0,27 mg/l Acute dermal toxicity: 311 mg/kg 311 mg/kg	

For explanation of abbreviations see section 16.

### **SECTION 4: First aid measures**

### 4.1 Description of first aid measures

General advice : Move out of dangerous area.

Consult a physician.

Show this safety data sheet to the doctor in attendance.

If inhaled : Move to fresh air.

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Consult a physician after significant exposure.

In case of skin contact Take off contaminated clothing and shoes immediately.

> Wash off with soap and plenty of water. If symptoms persist, call a physician.

In case of eye contact Small amounts splashed into eyes can cause irreversible tis-

sue damage and blindness.

In the case of contact with eyes, rinse immediately with plenty

of water and seek medical advice.

Continue rinsing eyes during transport to hospital.

Remove contact lenses.

Keep eye wide open while rinsing.

If swallowed Do not induce vomiting without medical advice.

Rinse mouth with water.

Do not give milk or alcoholic beverages.

Never give anything by mouth to an unconscious person.

4.2 Most important symptoms and effects, both acute and delayed

**Symptoms Excessive lachrymation** 

See Section 11 for more detailed information on health effects

and symptoms.

Risks irritant effects

Causes serious eye damage.

4.3 Indication of any immediate medical attention and special treatment needed

Treatment : Treat symptomatically.

#### **SECTION 5: Firefighting measures**

#### 5.1 Extinguishing media

Suitable extinguishing media : In case of fire, use water/water spray/water jet/carbon diox-

ide/sand/foam/alcohol resistant foam/chemical powder for

extinction.

5.2 Special hazards arising from the substance or mixture

ucts

Hazardous combustion prod- : No hazardous combustion products are known

5.3 Advice for firefighters

Special protective equipment : In the event of fire, wear self-contained breathing apparatus.

for firefighters

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Further information : Standard procedure for chemical fires.

## **SECTION 6: Accidental release measures**

#### 6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions : Use personal protective equipment.

Deny access to unprotected persons.

6.2 Environmental precautions

Environmental precautions : Try to prevent the material from entering drains or water

courses.

No special environmental precautions required.

#### 6.3 Methods and material for containment and cleaning up

Methods for cleaning up : Soak up with inert absorbent material (e.g. sand, silica gel,

acid binder, universal binder, sawdust).

Keep in suitable, closed containers for disposal.

#### 6.4 Reference to other sections

For personal protection see section 8.

#### **SECTION 7: Handling and storage**

#### 7.1 Precautions for safe handling

Advice on safe handling : Avoid exceeding the given occupational exposure limits (see

section 8).

Do not get in eyes, on skin, or on clothing. For personal protection see section 8.

Smoking, eating and drinking should be prohibited in the ap-

plication area.

Follow standard hygiene measures when handling chemical

products

Advice on protection against :

fire and explosion

Normal measures for preventive fire protection.

Hygiene measures : Handle in accordance with good industrial hygiene and safety

practice. When using do not eat or drink. When using do not smoke. Wash hands before breaks and at the end of workday.

#### 7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage areas and containers

: Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Store in accord-

ance with local regulations.

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Further information on stor-

age stability

: No decomposition if stored and applied as directed.

7.3 Specific end use(s)

Specific use(s) : Consult most current local Product Data Sheet prior to any

use.

### **SECTION 8: Exposure controls/personal protection**

#### 8.1 Control parameters

Components	CAS-No.	Value type (Form	Control parame-	Basis *
		of exposure)	ters *	

Contains no substances with occupational exposure limit values.

#### 8.2 Exposure controls

#### **Engineering measures**

Maintain air concentrations below occupational exposure standards.

Ensure adequate ventilation, especially in confined areas.

#### Personal protective equipment

Eye/face protection : Safety glasses with side-shields conforming to EN166

Eye wash bottle with pure water

Hand protection : Chemical-resistant, impervious gloves complying with an ap-

proved standard must be worn at all times when handling chemical products. Reference number EN 374. Follow manu-

facturer specifications.

Suitable for short time use or protection against splashes:

Butyl rubber/nitrile rubber gloves (> 0,1 mm) Contaminated gloves should be removed.

Suitable for permanent exposure:

Viton gloves (0.4 mm), breakthrough time >30 min.

Skin and body protection : Protective clothing (e.g. Safety shoes acc. to EN ISO 20345,

long-sleeved working clothing, long trousers). Rubber aprons and protective boots are additionaly recommended for mixing

and stirring work.

Respiratory protection : No special measures required.

#### **Environmental exposure controls**

General advice : Try to prevent the material from entering drains or water

courses.

No special environmental precautions required.

#### **SECTION 9: Physical and chemical properties**

#### 9.1 Information on basic physical and chemical properties

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Physical state liquid

Colour greenish-blue Odour odourless

Melting point/range / Freezing : No data available

Boiling point/boiling range No data available

Flammability (solid, gas) No data available

Upper/lower flammability or explosive limits

Upper explosion limit / Up- : No data available

per flammability limit

Lower explosion limit /

Lower flammability limit

: No data available

: > 61 °C Flash point

Auto-ignition temperature No data available

Decomposition temperature No data available

: 7,5 рΗ

**Viscosity** 

Viscosity, kinematic > 7 mm2/s (40 °C)

Solubility(ies)

Water solubility soluble

Partition coefficient: n-

octanol/water

No data available

Vapour pressure 23 hPa

Density ca. 1,192 g/cm3 (20 °C)

Relative vapour density No data available

Particle characteristics No data available

9.2 Other information

: The substance or mixture is not classified as oxidizing. Oxidizing properties

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### **SECTION 10: Stability and reactivity**

#### 10.1 Reactivity

No dangerous reaction known under conditions of normal use.

#### 10.2 Chemical stability

The product is chemically stable.

#### 10.3 Possibility of hazardous reactions

Hazardous reactions : No hazards to be specially mentioned.

10.4 Conditions to avoid

Conditions to avoid : No data available

10.5 Incompatible materials

Materials to avoid : No data available

#### 10.6 Hazardous decomposition products

No decomposition if stored and applied as directed.

#### **SECTION 11: Toxicological information**

#### 11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

#### **Acute toxicity**

Not classified based on available information.

#### **Components:**

sodium nitrate:

Acute oral toxicity : LD50 Oral (Rat): 3.430 mg/kg

#### 2-octyl-2H-isothiazole-3-one (OIT):

Acute oral toxicity : Acute toxicity estimate: 125 mg/kg

Method: Acute toxicity estimate according to Regulation (EC)

No. 1272/2008

Acute toxicity estimate: 125 mg/kg

Method: Acute toxicity estimate according to Regulation (EC)

No. 1272/2008

Acute inhalation toxicity : Acute toxicity estimate: 0,27 mg/l

Test atmosphere: dust/mist

Method: Acute toxicity estimate according to Regulation (EC)

No. 1272/2008

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Acute toxicity estimate: 0,27 mg/l Test atmosphere: dust/mist

Method: Acute toxicity estimate according to Regulation (EC)

No. 1272/2008

Acute dermal toxicity : Acute toxicity estimate: 311 mg/kg

Method: Acute toxicity estimate according to Regulation (EC)

No. 1272/2008

Acute toxicity estimate: 311 mg/kg

Method: Acute toxicity estimate according to Regulation (EC)

No. 1272/2008

#### Skin corrosion/irritation

Not classified based on available information.

### Serious eye damage/eye irritation

Causes serious eye damage.

#### Respiratory or skin sensitisation

#### Skin sensitisation

Not classified based on available information.

### Respiratory sensitisation

Not classified based on available information.

#### Germ cell mutagenicity

Not classified based on available information.

### Carcinogenicity

Not classified based on available information.

### Reproductive toxicity

Not classified based on available information.

#### STOT - single exposure

Not classified based on available information.

#### STOT - repeated exposure

Not classified based on available information.

#### **Aspiration toxicity**

Not classified based on available information.

#### 11.2 Information on other hazards

#### **Endocrine disrupting properties**

#### **Product:**

Assessment : The substance/mixture does not contain components consid-

ered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation

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(EU) 2017/2100 or Commission Regulation (EU) 2018/605 at

levels of 0.1% or higher.

### **SECTION 12: Ecological information**

#### 12.1 Toxicity

#### Components:

2.2'-iminodiethanol:

aquatic invertebrates

Toxicity to daphnia and other : EC50 (Daphnia magna (Water flea)): 55 mg/l

Exposure time: 48 h

Toxicity to algae/aquatic

plants

: EC50 (Pseudokirchneriella subcapitata (green algae)): 75 mg/l

Exposure time: 72 h

2-octyl-2H-isothiazole-3-one (OIT):

M-Factor (Acute aquatic tox- : 100

icity)

100

M-Factor (Chronic aquatic

toxicity)

100

100

#### 12.2 Persistence and degradability

No data available

#### 12.3 Bioaccumulative potential

No data available

### 12.4 Mobility in soil

No data available

#### 12.5 Results of PBT and vPvB assessment

#### **Product:**

Assessment This substance/mixture contains no components considered

to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of

0.1% or higher...

#### 12.6 Endocrine disrupting properties

#### **Product:**

Assessment The substance/mixture does not contain components consid-

> ered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation

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(EU) 2017/2100 or Commission Regulation (EU) 2018/605 at

levels of 0.1% or higher.

#### 12.7 Other adverse effects

**Product:** 

Additional ecological infor-

mation

: There is no data available for this product.

#### Global warming potential

Assessment Report of the Intergovernmental Panel on Climate Change (IPCC) of the United Nations Framework Convention on Climate Change (UNFCCC)

#### **Components:**

#### octamethylcyclotetrasiloxane [D4]:

20-year global warming potential: 2,66 100-year global warming potential: 0,739 500-year global warming potential: 0,211

Atmospheric lifetime: 0,027 yr Radiative efficiency: 0,12 Wm2ppb

Further information: Miscellaneous compounds

#### **SECTION 13: Disposal considerations**

#### 13.1 Waste treatment methods

Product : The generation of waste should be avoided or minimized

wherever possible.

Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe

way.

Dispose of surplus and non-recyclable products via a licensed

waste disposal contractor.

Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional

local authority requirements.

Avoid dispersal of spilled material and runoff and contact with

soil, waterways, drains and sewers.

### **SECTION 14: Transport information**

#### 14.1 UN number or ID number

ADR : Not regulated as a dangerous good

IMDG : Not regulated as a dangerous good

Not regulated as a dangerous good

IATA : Not regulated as a dangerous good

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14.2 UN proper shipping name

**ADR** Not regulated as a dangerous good **IMDG** Not regulated as a dangerous good IATA Not regulated as a dangerous good

14.3 Transport hazard class(es)

**ADR** Not regulated as a dangerous good **IMDG** Not regulated as a dangerous good **IATA** Not regulated as a dangerous good

14.4 Packing group

**ADR** Not regulated as a dangerous good **IMDG** Not regulated as a dangerous good IATA (Cargo) Not regulated as a dangerous good Not regulated as a dangerous good IATA (Passenger)

14.5 Environmental hazards

Not regulated as a dangerous good

14.6 Special precautions for user

Not applicable

14.7 Maritime transport in bulk according to IMO instruments

Not applicable for product as supplied.

#### **SECTION 15: Regulatory information**

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture Relevant EU provisions transposed through retained EU law

UK REACH List of restrictions (Annex 17) Not applicable

UK REACH Candidate list of substances of very high

concern (SVHC) for Authorisation

Not applicable

Not applicable

The Persistent Organic Pollutants Regulations (retained

Regulation (EU) 2019/1021 as amended for Great Brit-

ain)

International Chemical Weapons Convention (CWC) Not applicable

Schedules of Toxic Chemicals and Precursors

Not applicable

Regulation (EC) No 1005/2009 on substances that de-

plete the ozone layer

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Regulation (EU) 2019/1148 on the marketing and use of : sodium nitrate

explosives precursors

UK REACH List of substances subject to authorisation

(Annex XIV)

GB Export and import of hazardous chemicals - Prior

Informed Consent (PIC) Regulation

Not applicable

Not applicable

Control of Major Accident Hazards Regulations

2015 (COMAH)

Volatile organic compounds : Law on the incentive tax for volatile organic compounds

(VOCV)

Volatile organic compounds (VOC) content: < 0% w/w

Not applicable

no VOC duties

Directive 2010/75/EU of 24 November 2010 on industrial emissions (integrated pollution prevention and control) Volatile organic compounds (VOC) content: 0% w/w

If other regulatory information applies that is not already provided elsewhere in the Safety Data Sheet, then it is described in this subsection.

Health, safety and environmental regulation/legislation specific for the substance or mixture:  Environmental Protection Act 1990 & Subsidiary Regulations Health and Safety at Work Act 1974 & Subsidiary Regulations Control of Substances Hazardous to Health Regulations (COSHH)

May be subject to the Control of Major Accident Hazards

Regulations (COMAH), and amendments.

#### 15.2 Chemical safety assessment

No Chemical Safety Assessment has been carried out for this mixture by the supplier.

#### **SECTION 16: Other information**

### **Full text of H-Statements**

H272 :	May intensify fire; oxidizer.
	Toxic if swallowed.
H302 :	Harmful if swallowed.
H311 :	Toxic in contact with skin.
H312 :	Harmful in contact with skin.
H314 :	Causes severe skin burns and eye damage.
H315 :	Causes skin irritation.
H317 :	May cause an allergic skin reaction.
H318 :	Causes serious eye damage.
H319 :	Causes serious eye irritation.

H330 : Fatal if inhaled. H332 : Harmful if inhaled.

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Suspected of damaging fertility. Suspected of damaging the H361fd

unborn child.

H373 May cause damage to organs through prolonged or repeated

exposure.

H400 Very toxic to aquatic life.

H410 Very toxic to aquatic life with long lasting effects. H412 Harmful to aquatic life with long lasting effects.

#### Full text of other abbreviations

Acute Tox. Acute toxicity

**Aquatic Acute** Short-term (acute) aquatic hazard Aquatic Chronic Long-term (chronic) aquatic hazard

Eye Dam. Serious eye damage

Eye irritation Eye Irrit. Ox. Sol. Oxidizing solids Reproductive toxicity Repr. Skin Corr. Skin corrosion Skin Irrit. Skin irritation Skin Sens. Skin sensitisation

Specific target organ toxicity - repeated exposure STOT RE

ADR European Agreement concerning the International Carriage of

Dangerous Goods by Road

Chemical Abstracts Service CAS DNEL Derived no-effect level

EC50 Half maximal effective concentration Globally Harmonized System GHS

International Air Transport Association IATA International Maritime Code for Dangerous Goods

**IMDG** 

Median lethal dosis (the amount of a material, given all at LD50

once, which causes the death of 50% (one half) of a group of

test animals)

LC50 Median lethal concentration (concentrations of the chemical in

air that kills 50% of the test animals during the observation

period)

**MARPOL** International Convention for the Prevention of Pollution from

Ships, 1973 as modified by the Protocol of 1978

Occupational Exposure Limit **OEL** 

**PBT** Persistent, bioaccumulative and toxic **PNEC** Predicted no effect concentration

Regulation (EC) No 1907/2006 of the European Parliament REACH

> and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency

**SVHC** Substances of Very High Concern

Very persistent and very bioaccumulative vPvB

#### **Further information**

Classification of the mixture: Classification procedure:

Eye Dam. 1 H318 Calculation method

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The information contained in this Safety Data Sheet corresponds to our level of knowledge at the time of publication. All warranties are excluded. Our most current General Sales Conditions shall apply. Please consult the product data sheet prior to any use and processing.

Changes as compared to previous version!

GB / EN