

Material Safety Data Sheet Regulation EC No 1907/2006 Art.31

Product Name: Regin Leak Detection Fluid

Product Code: REGL05 / REGL10

Last Reviewed: December 2020

Next Review Due: December 2025

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

1.1. Product identifier

LEAK DETECTOR

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

Gas leak detector

1.3. Details of the supplier of the safety data sheet

Regin Products Ltd
8 - 13 Tower Square
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Cambs
PE29 7DT
Email: sales@regin.co.uk
Tel: 01480 412415
Fax: 01480 457484

1.4. Emergency telephone number

Tel: 01480 412415 (office hours)

SECTION 2: Hazards identification


2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008

Physical:	Not classified
Classification is based on test data.	
Health:	Skin sensitization, category 1 May cause an allergic skin reaction. Eye irritation, category 2 Causes serious eye irritation.
Classification based on calculation method.	
Environment:	Not classified
Classification based on calculation method.	
Other hazards :	Not classified

2.2. Label elements

Labelling according to Regulation (EC) No 1272/2008

Product identifier:	Contains: 2-methyl-2H-isothiazol-3-one
Hazard pictogram(s):	
Signal word:	Warning
Hazard statement(s):	H317 : May cause an allergic skin reaction. H319 : Causes serious eye irritation.
Precautionary statement(s):	P102 : Keep out of reach of children. P280 : Wear protective gloves/protective clothing/eye protection/face protection. P305/351/338 : IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P333/313 : If skin irritation or rash occurs: Get medical advice/attention. P501-2 : Dispose of contents/container to an authorised waste collection point.

2.3. Other hazards

No information available

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable.

3.2. Mixtures

Mixture of water with surfactant, monoethanolamine and preservative

Hazardous ingredient	Registration number	CAS-nr.	EC-nr	w/w %	Hazard Class and Category	Hazard statement	Notes
(Z)-N-methyl-N-(1-oxo-9-octadecenyl)glycine	01-2119488991-20	110-25-8	203-749-3	<2.5	Acute Tox. 4, Skin Irrit. 2, Eye Dam. 1, Aquatic Acute 1	H332,H315,H318,H400	B
2-amino-2-methylpropanol	01-2119475110-51	124-68-5	204-709-8	<0.25	Eye Irrit. 2, Skin Irrit. 2, Aquatic Chronic 3	H319,H315,H412	B
Amines, C12-14 (even numbered)-alkyldimethyl, N-oxides	01-2119490061-47	308062-28-4	(931-292-6)	<0.25	Eye Dam. 1, Acute Tox. 4, Skin Irrit. 2, Aquatic Acute 1, Aquatic Chronic 2	H318,H302,H315,H400,H411	Q
Oxazolidine, 4,4-dimethyl-	-	51200-87-4	257-048-2	<0.1	Flam. Liq. 3, Acute Tox. 4, Acute Tox. 3, Eye Dam. 1, STOT SE 3	H226,H302,H331,H318,H335	
1-Butanol, 2-amino-	01-2119492338-28	96-20-8	202-488-2	<0.1	Acute Tox. 4, Skin Corr. 1B, Eye Dam. 1, Aquatic Acute 1	H302,H314,H318,H400	B
1,2-benzisothiazol-3(2H)-one	-	2634-33-5	220-120-9	<0.005	Acute Tox. 2, Acute Tox. 4, Skin Irrit. 2	H330,H302,H315,H318,H317,H400,H411	X,R

					Eye Dam. 1, Skin Sens. 1, Aquatic Acute 1, Aquatic Chronic 2	
2-methyl-2H-isothiazol-3-one		2682-20-4	220-239-6	0.001-0.005	Acute Tox. 3, Acute Tox. 2, Skin Corr. 1B, Eye Dam. 1, Skin Sens. 1, Aquatic Acute 1, Aquatic Chronic 2	H301,H330,H314,H318,H317,H400,H411 M,X
Explanation notes						
B : substance with national established workplace exposure limit						
M : M acute = 10						
Q : The CAS-no is only an indicative identifier to be used outside the EU for global inventory entries.						
R : substance in plant protection or biocidal product regarded as being registered (art.15 REACH Regulation No 1907/2006)						
X : SCL (specific concentration limit)in accordance with art.10 of CLP Regulation No 1272/2008						

(* Explanation phrases : see chapter 16)

SECTION 4: First aid measures

4.1. Description of first aid measures

Contact with eyes :	If substance has got into eyes, immediately wash out with water for at least 15 minutes Remove contact lenses, if present and easy to do. Continue rinsing. Seek medical attention if irritation persists
Contact with skin :	Wash with water and soap. Seek medical attention if irritation persists
Inhalation :	Fresh air, keep warm and at rest. Seek medical attention if ill effects occur
Ingestion :	If swallowed do not induce vomiting Seek medical advice

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

Inhalation :	Excessive inhalation of solvent vapours may give rise to nausea, headaches and dizziness
Ingestion :	May cause gastrointestinal disturbances Symptoms : sore throat, abdominal pain, nausea, vomiting
Skin contact :	May cause sensitization by skin contact. Symptoms : redness and pain
Eye contact :	Irritating to eyes Symptoms : redness and pain, impaired vision

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

General Advice : If skin irritation or rash occurs: Get medical advice/attention.

SECTION 5: Firefighting measures

5.1. Extinguishing media

foam, carbon dioxide or dry agent

5.2. Special hazards arising from the substance or mixture

May form explosive vapour/air mixtures
Forms hazardous decomposition products
CO,CO2

5.3. Advice for firefighters

Keep container(s) exposed to fire cool, by spraying with water
In case of fire, do not breathe fumes

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Shut off all ignition sources
Ensure adequate ventilation
Wear suitable protective clothing including eye/face protection.

6.2. Environmental precautions

Do not allow to enter public sewers and watercourses

6.3. Methods and material for containment and cleaning up

Absorb spillage in suitable inert material

6.4. Reference to other sections

For further information see section 8

SECTION 7: Handling and storage

7.1. Precautions for safe handling

The usual precautions for handling chemicals should be observed
Ensure adequate ventilation
Avoid contact with skin and eyes.
Wash thoroughly after use
Wear protective gloves/protective clothing/eye protection/face protection.
Eyewash bottles should be available

7.2. Conditions for safe storage, including any incompatibilities

Keep container tightly closed, in a cool, well ventilated place.
Keep out of reach of children.

7.3. Specific end use(s)

Gas leak detector

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Exposure limits :

No information available

8.2. Exposure controls

Control procedures :	Ensure adequate ventilation
Personal protection :	Take precautions to avoid contact with skin and eyes when handling the product.
	Ensure adequate ventilation
inhalation :	In case of insufficient ventilation, wear suitable respiratory equipment.
recommended respiratory protection:	Air purifying respirator equipped with organic gas/vapor cartridge (type A)

hands and skin :	When handling the product wear chemical-resistant gloves (standard EN 374). The breakthrough time of the glove should be longer than the total duration of product use. If work lasts longer than the breakthrough time, gloves should be changed part-way through.
Recommended gloves:	(neoprene)
eyes :	Wear safety eyewear according to EN 166.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance : physical state :	Liquid.
colour :	Colorless.
odour :	Odorless.
pH :	7.0
Boiling point/range :	100 °C
Flash point :	None
Evaporation rate :	Not applicable.
Explosion limits : upper limit :	Not available.
lower limit :	Not available.
Vapour pressure :	Not available.
Relative density :	1.01 g/cm ³ (@ 20°C).
Solubility in water :	Soluble in water
Auto-ignition :	> 200 °C
Viscosity :	< 7 mPa.s (@ 40°C).

9.2. Other information

SECTION 10: Stability and reactivity

10.1. Reactivity

No hazardous reactions known if used for its intended purpose

10.2. Chemical stability

Stable

10.3. Possibility of hazardous reactions

No hazardous reactions known if used for its intended purpose

10.4. Conditions to avoid

Avoid overheating

10.5. Incompatible materials

Strong oxidising agent

10.6. Hazardous decomposition products

CO,CO₂

SECTION 11: Toxicological information

11.1. Information on toxicological effects

acute toxicity:	based on available data the classification criteria are not met
skin corrosion/irritation:	based on available data the classification criteria are not met
serious eye damage/irritation:	Causes serious eye irritation.
respiratory or skin sensitisation:	May cause an allergic skin reaction.
germ cell mutagenicity:	based on available data the classification criteria are not met
carcinogenicity:	based on available data the classification criteria are not met
toxicity for reproduction:	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

Information on likely routes of exposure:

Inhalation :	Inhalation of solvent vapours may give rise to nausea, headaches and dizziness
Skin contact :	May cause sensitization by skin contact. Prolonged skin contact will result in defatting of the skin
Eye contact :	Irritating to eyes

Toxicological data :

Hazardous ingredient	CAS-nr.	method	
Amines, C12-14 (even numbered)- alkyldimethyl, N-oxides	308062-28-4	LD50 oral rat	1064 mg/kg

SECTION 12: Ecological information

12.1. Toxicity

Not classified

Ecotoxicological data:

Hazardous ingredient	CAS-nr.	method	
Amines, C12-14 (even numbered)- alkyldimethyl, N-oxides	308062-28-4	IC50 algae	0.143 mg/l
		LC50 fish	2.67 mg/l
		EC50 daphnia	3.1 mg/l

12.2. Persistence and degradability

No experimental data available

12.3. Bioaccumulative potential

No experimental data available

12.4. Mobility in soil

Soluble in water

12.5. Results of PBT and vPvB assessment

No information available

12.6. Other adverse effects

No experimental data available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Do not discharge into drains or the environment, dispose to an authorised waste collection point.

SECTION 14: Transport information

14.1. UN number

UN-number : Not classified as hazardous for transport

14.2. UN proper shipping name

Proper shipping name: Not applicable.

14.3. Transport hazard class(es)

Class: Not applicable.
ADR/RID - Classification code: Not applicable.

14.4. Packing group

Packing group: Not applicable.

14.5. Environmental hazards

ADR/RID - Environmentally hazardous: No
IMDG - Marine pollutant: No
IATA/ICAO - Environmentally hazardous: No

14.6. Special precautions for user

ADR/RID - Tunnelcode: Not applicable.
IMDG - Ems: Not applicable.
IATA/ICAO - PAX: Not applicable.
IATA/ICAO - CAO: Not applicable.

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

Not applicable.

SECTION 15: Regulatory information

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

The Safety Data Sheet is compiled according to the current European requirements.
Regulation (EC) No 1907/2006 (REACH)
Regulation (EC) No 1272/2008 (CLP)

15.2. Chemical safety assessment

No information available

SECTION 16: Other information

*Explanation hazard statements: H226 : Flammable liquid and vapour.
H301 : Toxic if swallowed.
H302 : Harmful if swallowed.
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.
H331 : Toxic if inhaled.
H332 : Harmful if inhaled.
H335 : May cause respiratory irritation.
H400 : Very toxic to aquatic life.
H411 : Toxic to aquatic life with long lasting effects.
H412 : Harmful to aquatic life with long lasting effects.

acronyms and synonyms: TWA = time weight average
STEL = short time exposure limit
VOC = volatile organic compounds
PBT = persistent bioaccumulative toxic
vPvB = very persistent very bioaccumulative

This product should be stored, handled and used in accordance with good industrial hygiene practices and in conformity with any legal regulation.

The information contained herewith is based on the present state of our knowledge and is intended to describe our products from the point of view of safety requirements. It does not guarantee any specific properties. Apart from any fair dealing for purposes of study, research and review of health, safety and environmental risks, no part of these documents may be reproduced by any process without written permission.