

Lithofin Rust-EX

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

1.1. Product identifier

Name of product

Lithofin Rust-EX

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

Recommended intended purpose(s)

Impregnator

1.3. Details of the supplier of the safety data sheet

Distributor

CASDRON Enterprises Ltd.
Wood End, Prospect Road, Alresford Hampshire SO24 9QF
Phone 0 19 62 73 21 26, Fax 0 19 62 73 53 73

Advice

Technical Department
Phone 0 19 62 73 21 26

1.4. Emergency telephone number

Manufacturer

LITHOFIN AG
Heinrich-Otto-Straße 36, D-73240 Wendlingen
Phone +49 (0)7024 94 03-0, Fax +49 (0)7024 94 03-40

E-Mail info@lithofin.de
Internet www.lithofin.de

Advice

Labor
Phone +49 (0)7024 9403-0
Fax +49 (0)7024 9403-40
E-mail (competent person):
info@lithofin.de

1.4. Emergency telephone number

Emergency advice

Mo-Fr. 8.00-16.00
Phone +49 (0)7024 9403-0

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to 67/548/EEC or 1999/45/EC

Xn; R22

R43

R-phrases

22 Harmful if swallowed.

43 May cause sensitisation by skin contact.

Additional hints

The preparation is classified as hazardous according Directive 1999/45/EC.

2.2. Label elements

Labelling according to 1999/45/EC

Remarks for labelling

The product is classified and labelled in accordance with EC directives.

Lithofin Rust-EX**Xn** Harmful**R-phrases**

22 Harmful if swallowed.
 43 May cause sensitisation by skin contact.

S-phrases

2 Keep out of the reach of children.
 24 Avoid contact with skin.
 36/37 Wear suitable protective clothing and gloves.
 46 If swallowed, seek medical advice immediately and show this container or label.

Hazardous ingredients for labeling

sodium mercaptoacetate

2.3. Other hazards**Results of PBT and vPvB assessment**

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

SECTION 3: Composition/ information on ingredients**3.1. Substances**

not applicable

3.2. Mixtures**Description**

Alkaline cleaner

Hazardous ingredients

CAS No	EC No	Name	[% weight]	Classification according to 67/548/EEC
367-51-1	206-696-4	sodium mercaptoacetate	< 25	T R25; Xn R21; Xi R43

Additional advice

These hazards apply to the contained raw materials in concentrated form. they have nothing to do with the labeling requirements of the finished product.

Labelling for contents according to regulation (EC) No 648/2004, annex VII

Methylisothiazolinone

Methylchlorisothiazolinone

SECTION 4: First aid measures**4.1. Description of first aid measures****General information**

Do not leave casualty unattended.

In case of inhalation

Remove the casualty into fresh air and keep him immobile.
 In the event of symptoms refer for medical treatment.

In case of skin contact

In case of contact with skin wash off immediately with soap and water.
 Remove contaminated clothing immediately, even underwear and shoes.

In case of eye contact

In case of contact with eyes rinse thoroughly with plenty of water and seek medical advice.

Lithofin Rust-EX

In case of ingestion

Do not induce vomiting.

If swallowed by mistake drink plenty of water and seek medical treatment.

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

No information available.

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

No information available.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Product does not burn, fire-extinguishing activities according to surrounding.

Alcohol-resistant foam

ABC powder

Water spray jet

Unsuitable extinguishing media

no

5.2. Special hazards arising from the substance or mixture

no

5.3. Advice for firefighters

Special protective equipment for fire-fighters

Do not inhale explosion and/or combustion gases.

Additional information

Cool endangered containers with water spray jet.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation.

Use personal protective clothing.

6.2. Environmental precautions

Do not discharge into the drains/surface waters/groundwater.

6.3. Methods and material for containment and cleaning up

Take up with absorbent material (e.g. general-purpose binder).

Additional Information

no

6.4. Reference to other sections

Safe handling: see section 7

Disposal: see section 13

Personal protection equipment: see section 8

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling

While spraying wear respiratory protection.

Use only in thoroughly ventilated areas.

Take the usual precautions when handling with chemicals.

General protective measures

Avoid contact with eyes and skin

Do not inhale gases/vapours/aerosols.

Hygiene measures

Clean skin thoroughly after working.

At work do not eat, drink and smoke.

Lithofin Rust-EX**Advice on protection against fire and explosion**

No special measures necessary.

7.2. Conditions for safe storage, including any incompatibilities**Requirements for storage rooms and vessels**

Keep in closed original container.

Ventilate store-rooms thoroughly.

Further information on storage conditions

Keep container dry, tightly closed and store at cool and aired place.

Do not store at temperature above 25°C (=77°F).

Do not keep at temperatures below 5°C.

Storage group 12

7.3. Specific end use(s)

No information available.

SECTION 8: Exposure controls/personal protection**8.1. Control parameters**

No information available.

8.2. Exposure controls**Respiratory protection**

Breathing apparatus in the event of aerosol or mist formation.

Breathing apparatus in the event of high concentrations.

Short term: filter apparatus, filter A

Multi-purpose filter ABEK

(EN 14387, 133, 140, 149)

Hand protection

chemical-resistant gloves

The glove material (EN 374) must be impermeable and resistant to the product. The protective glove should always be checked to make sure it is suitable for the specific intended workstation (e.g. mechanical resistance, product compatibility).

Heed the manufacturer's specifications regarding permeability and breaching time, as well as instructions and information concerning application, storage and care.

The protective gloves should be replaced immediately if damaged or when first signs of wear appear. Design working cycles in such a way that gloves do not have to be worn permanently.

Since the product is made of several materials, the resistance of the glove materials cannot be predicted in advance and must be checked before use.

Hersteller/manufactor: KCL GmbH/Eichenzell-Germany; Ansell/Yarra City-Australia

Resistant to the hazardous substances listed in chapter 3:

Butyl rubber, 0,5 mm, > 8h

Fluororubber, 0,7 mm, > 8h

Nitrile rubber, 0,4 mm, > 8h

Eye protection

safety goggles

(EN 166)

Skin protection

Light protective clothing.

(EN-ISO 20345, EN 13034, 14605,340-463-943-1, 943-2)

SECTION 9: Physical and chemical properties**9.1. Information on basic physical and chemical properties****Form**

liquid

Colour

colourless, clear

Odour

putrid

Lithofin Rust-EX**Important health, safety and environmental information**

	Value	Temperature	at	Method	Remark
pH value in delivery state	ca. 8 - 10				
starts to boil	> 90 °C				
Flash point	> 60 °C				
Relative density	ca. 1,1 g/cm ³	ca. 23 °C			
Solubility in water					multimiscible
Viscosity Outflow time	< 30 s	ca. 23 °C		ISO 2431/3 mm	

9.2. Other information

No information available.

SECTION 10: Stability and reactivity**10.1. Reactivity**

No hazardous reactions known.

10.2. Chemical stability

No hazardous reactions known.

10.3. Possibility of hazardous reactions

No hazardous reactions known.

10.4. Conditions to avoid

No data available

10.5. Incompatible materials**Materials to avoid**

No data available

10.6. Hazardous decomposition products

No information available.

SECTION 11: Toxicological information**11.1. Information on toxicological effects****Acute toxicity/Irritability/Sensitization**

	Value/Validation	Species	Method	Remark
LD50 acute oral	not determined			
LD50 acute dermal	not determined			
LC50 acute inhalation	not determined			

Lithofin Rust-EX**SECTION 12: Ecological information****12.1. Toxicity**

No information available.

12.2. Persistence and degradability

	Elimination rate	Method of analysis	Method	Validation
Physico-chemical degradability	not determined			
Biological degradability	not determined			

12.3. Bioaccumulative potential

No information available.

12.4. Mobility in soil

No information available.

12.5. Results of PBT and vPvB assessment

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

12.6. Other adverse effects**General regulation**

Product is not allowed to be discharged into aquatic environment, drains or sewage treatment plants.

The surfactant(s) contained in this preparation complies(comply) with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents.

Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request or at the request of a detergent manufacturer.

SECTION 13: Disposal considerations**13.1. Waste treatment methods****Waste code No.**

16 03 05*

Name of waste

organic wastes containing dangerous substances

Wastes marked with an asterisk are considered to be hazardous waste pursuant to Directive 91/689/EEC on hazardous waste.

Recommendations for the product

In accordance with regulations for special waste, must be taken to a special waste disposal.

Recommendations for packaging

Totally emptied packaging may be taken for recycling.

! SECTION 14: Transport information**! Land and inland navigation transport ADR/RID**

UN - no dangerous good

! Marine transport IMDG

UN - no dangerous goods

Air transport ICAO/IATA-DGR

UN - no dangerous good

Special precautions for user

No information available.

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

No information available.

! SECTION 15: Regulatory information

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

Other regulations (EU)

Regulation (EC) No 648/2004 (Detergents regulation).

VOC standard

VOC value <100 g/L

! Remark

VOCV-Schweiz/OCOV-Suisse/OCOV-Svizzera:

ohne VOC-Abgabe/sans taxe COV/senza tassa sui COV (< 3 % VOC)

National regulations

Other regulations, restrictions and prohibition regulations

Merkblatt A008: "Persönliche Schutzausrüstungen"

Merkblatt A010: "Betriebsanweisungen für Tätigkeiten mit Gefahrstoffen" (BGI 566)

Merkblatt A023: "Hand- und Hautschutz" (BGI 540)

Merkblatt M050: "Tätigkeit mit Gefahrstoffen" (BGI 564)

Merkblatt M 053: "Arbeitsschutzmaßnahmen bei Tätigkeiten mit Gefahrstoffen" (BGI 660)

TRGS 510 Lagerung von Gefahrstoffen in ortsbeweglichen Behältern

BGR/GUV-R 190: "Benutzung von Atemschutzgeräten"

Water hazard class 1 VwVwS (17. 05. 1999)

15.2. Chemical Safety Assessment

No information available.

SECTION 16: Other information

Recommended uses and restrictions

National and local regulations concerning chemicals shall be observed.

Further information

The information contained herein is based on the state of our knowledge. It characterizes the product with regard to the appropriate safety precautions. It does not represent a guarantee of the properties of the product.

Wording of the R/H-phrases specified in chapter 3 (not the classification of the mixture!)

R 21 Harmful in contact with skin.

R 25 Toxic if swallowed.

R 43 May cause sensitisation by skin contact.