

**Lithofin ASR**

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

### 1.1. Product identifier

#### Name of product

Lithofin ASR

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

#### Recommended intended purpose(s)

Cleaner

### 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](mailto:info@lithofin.de)

Internet [www.lithofin.de](http://www.lithofin.de)

#### Advice

Labor

Phone +49 (0)7024 9403-0

Fax +49 (0)7024 9403-40

E-mail (competent person):

[info@lithofin.de](mailto:info@lithofin.de)

### 1.4. Emergency telephone number

#### Emergency advice

Mo-Fr. 8.00-16.00

Phone +49 (0)7024 9403-0

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## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

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

C; R35

#### R-phrases

35

Causes severe burns.

#### 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.

**C** Corrosive



**Lithofin ASR****R-phrases**

35 Causes severe burns.

**S-phrases**

1/2 Keep locked up and out of the reach of children.

26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

36/37/39 Wear suitable protective clothing, gloves and eye/face protection.

45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

**Hazardous ingredients for labeling**

sodium-hydroxide

**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
67-63-0	200-661-7	propan-2-ol	< 15	F R11; Xi R36; R67
111-76-2	203-905-0	2-butoxyethanol	< 20	Xn R20/21/22; Xi R36/38
1310-73-2	215-185-5	sodium-hydroxide	> 5	C R35
-		anionic surfactants	< 20	Xi R 38-41

**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**

less than 5 % anionic surfactants

less than 5 % non-ionic surfactants

less than 5 % NTA (nitrilotriacetic acid) and salts thereof

**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.

**In case of ingestion**

Do not induce vomiting.

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

**Lithofin ASR**

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**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.

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**SECTION 5: Firefighting measures**

**5.1. Extinguishing media**

**Suitable extinguishing media**

water

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.

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**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

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**SECTION 7: Handling and storage**

**7.1. Precautions for safe handling**

**Advice on safe handling**

While spraying wear respiratory protection.

Use only in well-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 ASR****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.

Do not use glass containers.

**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** 8B

**7.3. Specific end use(s)**

No information available.

**SECTION 8: Exposure controls/personal protection****8.1. Control parameters****Indicative occupational exposure limit values (91/322/EEC, 2000/39/EC, 2006/15/EC or 2009/161/EU)**

CAS No	Name	Code	[mg/m <sup>3</sup> ]	[ppm]	Remark
111-76-2	2-butoxyethanol	8 hours	98	20	skin
		Short-term	246	50	

**biological limits (TRGS 903)**

CAS No	Name	Parameter	BGW	Examination material	Test date
111-76-2	2-butoxyethanol	Butoxyessigsäure	100 mg/l	U	c
67-63-0	propan-2-ol	Aceton	50 mg/l	B	b
67-63-0	propan-2-ol	Aceton	50 mg/l	U	b

**8.2. Exposure controls****Respiratory protection**

Breathing apparatus in the event of aerosol or mist formation.

Multi-purpose filter ABEK

(EN 14387, 133, 140, 149)

**Hand protection**

Gloves (alkali-resistant)

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

**Eye protection**

safety goggles

(EN 166)

**Skin protection**

Alkali-resistant 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**  
yellowish

**Odour**  
product-specific

### Important health, safety and environmental information

	Value	Temperature	at	Method	Remark
<b>pH value in delivery state</b>	> 13				
<b>starts to boil</b>	> 90 °C				
<b>Flash point</b>	> 35 °C				
<b>Relative density</b>	ca. 1,1 g/cm <sup>3</sup>	ca. 23 °C			
<b>Solubility in water</b>					multimiscible
<b>Viscosity Outflow time</b>	< 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
<b>LD50 acute oral</b>	not determined			
<b>LD50 acute dermal</b>	not determined			
<b>LC50 acute inhalation</b>	not determined			

## SECTION 12: Ecological information

### 12.1. Toxicity

No information available.

### 12.2. Persistence and degradability

	Elimination rate	Method of analysis	Method	Validation
<b>Physico-chemical degradability</b>	not determined			
<b>Biological degradability</b>	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

#### Behaviour in sewage plant

Treat by state-of-the-art technology before discharging into drains.

#### General regulation

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.

06 02 04\*

#### Name of waste

sodium and potassium hydroxide

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

#### Recommendations for the product

Remove in accordance with local official regulations.

#### Recommendations for packaging

Totally emptied packaging may be taken for recycling.

## SECTION 14: Transport information

#### Land and inland navigation transport ADR/RID

UN 1719 Caustic alkali liquid, n.o.s. (Sodium hydroxide), 8, III, (E), Classification code: C5

#### Marine transport IMDG

UN 1719 Caustic alkali liquid, n.o.s., (Sodium hydroxide), 8, III

#### Air transport ICAO/IATA-DGR

UN 1719 Caustic alkali liquid, n.o.s., (Sodium hydroxide; solution), 8, III

#### 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.

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**! 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:

73,9 g/ltr

**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 M004: "Reizende Stoffe Ätzende Stoffe" (BGI 595)

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

**Water hazard class** 2 VwVwS (17. 05. 1999)**15.2. Chemical Safety Assessment**

No information available.

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**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 11 Highly flammable.

R 20/21/22 Harmful by inhalation, in contact with skin and if swallowed.

R 35 Causes severe burns.

R 36 Irritating to eyes.

R 36/38 Irritating to eyes and skin.

R 38 Irritating to skin.

R 41 Risk of serious damage to eyes.

R 67 Vapours may cause drowsiness and dizziness.