

**Safety data sheet  
according to UK REACH**

Printing date 24.10.2025

Version number 7 (replaces version 6)

Revision: 21.05.2024

**SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1 Product identifier****Trade name: PressurePro Oil and Grease Cleaner Extra RM 31****1.2 Relevant identified uses of the substance or mixture and uses advised against**

Restricted to professional users.

**Application of the substance / the mixture** Detergent**1.3 Details of the supplier of the safety data sheet****Manufacturer/Supplier:****Alfred Kärcher SE & Co. KG**

Alfred-Kärcher-Str. 28-40

D - 71364 Winnenden

Tel.: +49-7195-14-0

**Kärcher (UK) Ltd.**

Kärcher House

Brookhill Way

Banbury

Oxon OX16 3ED

Great Britain

Tel.: +44-1295-752-000

Internet: [www.karcher.com](http://www.karcher.com)**Further information obtainable from:**

Regulatory Affairs

Tel.: +49-7195-14-0

[productsafety.management.de@karcher.com](mailto:productsafety.management.de@karcher.com)**1.4 Emergency telephone number:**

For Hazardous Materials [or Dangerous Goods] Incidents

Spill, Leak, Fire, Exposure, or Accident

Call CHEMTREC Day or Night

Within USA and Canada: 1-800-424-9300

Outside USA and Canada: +1-703-527-3887 (collect calls accepted)

**SECTION 2: Hazards identification****2.1 Classification of the substance or mixture****Classification according to Regulation (EC) No 1272/2008**

Met. Corr. 1 H290 May be corrosive to metals.

Skin Corr. 1A H314 Causes severe skin burns and eye damage.

Eye Dam. 1 H318 Causes serious eye damage.

**2.2 Label elements****Labelling according to Regulation (EC) No 1272/2008**

The product is classified and labelled according to the GB CLP regulation.

(Contd. on page 2)

## Safety data sheet according to UK REACH

Printing date 24.10.2025

Version number 7 (replaces version 6)

Revision: 21.05.2024

**Trade name: PressurePro Oil and Grease Cleaner Extra RM 31**

(Contd. of page 1)

· **Hazard pictograms**



GHS05

· **Signal word** Danger

· **Hazard-determining components of labelling:**

sodium hydroxide

· **Hazard statements**

H290 May be corrosive to metals.

H314 Causes severe skin burns and eye damage.

· **Precautionary statements**

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P310 Immediately call a POISON CENTER/doctor.

P405 Store locked up.

P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

### SECTION 3: Composition/information on ingredients

· **3.2 Mixtures**

· **Description:** Cleaning agent

· **Dangerous components:**

CAS: 1310-73-2 EINECS: 215-185-5 Index number: 011-002-00-6 Reg.nr.: 01-2119457892-27-xxxx	sodium hydroxide Met. Corr.1, H290; Skin Corr. 1A, H314; Eye Dam. 1, H318 Specific concentration limits: Skin Corr. 1A; H314: C ≥ 5 % Skin Corr. 1B; H314: 2 % ≤ C < 5 % Skin Irrit. 2; H315: 0.5 % ≤ C < 2 % Eye Irrit. 2; H319: 0.5 % ≤ C < 2 %	5-10%
---	--	-------

· **Additional information** For the wording of the listed hazard phrases refer to section 16.

### SECTION 4: First aid measures

· **4.1 Description of first aid measures**

· **General information** Immediately remove any clothing soiled by the product.

· **After inhalation**

In case of unconsciousness place patient stably in side position for transportation.

Supply fresh air; consult doctor in case of complaints.

· **After skin contact** Immediately wash with water and soap and rinse thoroughly.

· **After eye contact** Rinse opened eye for several minutes under running water. Then consult a doctor.

(Contd. on page 3)

**Safety data sheet  
according to UK REACH**

Printing date 24.10.2025

Version number 7 (replaces version 6)

Revision: 21.05.2024

**Trade name: PressurePro Oil and Grease Cleaner Extra RM 31***(Contd. of page 2)***· After swallowing**

Rinse out mouth and then drink plenty of water.  
Do not induce vomiting; call for medical help immediately.  
Drink plenty of water and provide fresh air. Call for a doctor immediately.

**· 4.2 Most important symptoms and effects, both acute and delayed** No further relevant information available.**· 4.3 Indication of any immediate medical attention and special treatment needed**

No further relevant information available.

**SECTION 5: Firefighting measures****· 5.1 Extinguishing media****· Suitable extinguishing agents**CO<sub>2</sub>, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.**· 5.2 Special hazards arising from the substance or mixture** No further relevant information available.**· 5.3 Advice for firefighters****· Protective equipment:** No special measures required.**· Additional information** Collect contaminated fire fighting water separately. It must not enter the sewage system.**SECTION 6: Accidental release measures****· 6.1 Personal precautions, protective equipment and emergency procedures**

Wear protective equipment. Keep unprotected persons away.

**· 6.2 Environmental precautions:**

Dilute with plenty of water.  
Do not allow to enter sewers/ surface or ground water.  
Do not allow to penetrate the ground/soil.

**· 6.3 Methods and material for containment and cleaning up:**

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders).  
Use neutralising agent.  
Dispose contaminated material as waste according to section 13.  
Ensure adequate ventilation.

**· 6.4 Reference to other sections**

See Section 7 for information on safe handling  
See Section 8 for information on personal protection equipment.  
See Section 13 for disposal information.

**SECTION 7: Handling and storage****· 7.1 Precautions for safe handling**

Ensure good ventilation/exhaustion at the workplace.

*(Contd. on page 4)*

## Safety data sheet according to UK REACH

Printing date 24.10.2025

Version number 7 (replaces version 6)

Revision: 21.05.2024

**Trade name: PressurePro Oil and Grease Cleaner Extra RM 31**

(Contd. of page 3)

- Prevent formation of aerosols.
- Avoid contact with eyes and skin.
- **Information about fire - and explosion protection:** No special measures required.
- **7.2 Conditions for safe storage, including any incompatibilities**
- **Storage**
- **Requirements to be met by storerooms and receptacles:** Store only in the original receptacle.
- **Information about storage in one common storage facility:**  
Do not store together with acids.  
Keep away from food, beverages and feed.
- **Further information about storage conditions:** Keep receptacle tightly sealed.
- **7.3 Specific end use(s)** No further relevant information available.

### SECTION 8: Exposure controls/personal protection

#### · 8.1 Control parameters

##### · **Ingredients with limit values that require monitoring at the workplace:**

##### 1310-73-2 sodium hydroxide

WEL	Short-term value: 2 mg/m <sup>3</sup>
-----	---------------------------------------

##### · **DNELs**

##### 1310-73-2 sodium hydroxide

Inhalative	DNEL	1 mg/m <sup>3</sup> (employee)
		1 mg/m <sup>3</sup> (consumer)

#### · 8.2 Exposure controls

- **Appropriate engineering controls** No further data; see section 7.
- **Individual protection measures, such as personal protective equipment**
- **General protective and hygienic measures**  
Keep away from foodstuffs, beverages and feed.  
Immediately remove all soiled and contaminated clothing  
Wash hands before breaks and at the end of work.  
Avoid contact with the eyes and skin.
- **Respiratory protection:**  
In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.  
Filter A/P2.
- **Hand protection**



Protective gloves.

- **Material of gloves** Butyl rubber, BR
- **Penetration time of glove material**  
The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

(Contd. on page 5)

## Safety data sheet according to UK REACH

Printing date 24.10.2025

Version number 7 (replaces version 6)

Revision: 21.05.2024

**Trade name: PressurePro Oil and Grease Cleaner Extra RM 31**

(Contd. of page 4)

· Eye/face protection



Tightly sealed goggles (EN 166)

### SECTION 9: Physical and chemical properties

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

##### · General Information

· Physical state	Liquid
· Colour:	Yellow
· Odour:	Product specific
· Odour threshold:	Not determined.
· Melting point/freezing point:	-14 °C
· Boiling point or initial boiling point and boiling range	100 °C
· Flammability	Not applicable.
· Lower and upper explosion limit	
· Lower:	Not determined.
· Upper:	Not determined.
· Flash point:	Not applicable
· Auto-ignition temperature:	not applicable
· Decomposition temperature:	Not determined.
· pH at 20 °C	13.5
· pH-value 1 %:	12-13
· Viscosity:	
· Kinematic viscosity	Not determined.
· dynamic at 20 °C:	5 mPas
· Solubility	
· Water:	Fully miscible
· Partition coefficient n-octanol/water (log value)	Not determined.
· Vapour pressure:	Not determined.
· Density and/or relative density	
· Density at 20 °C:	1.14 g/cm <sup>3</sup>
· Relative density	Not determined.
· Vapour density	Not determined.
· Relative gas density	Not determined.

#### · 9.2 Other information

· Appearance:	
· Form:	Fluid
· Important information on protection of health and environment, and on safety.	
· Ignition temperature:	Product is not selfigniting.
· Explosive properties:	Product does not present an explosion hazard.

(Contd. on page 6)

## Safety data sheet according to UK REACH

Printing date 24.10.2025

Version number 7 (replaces version 6)

Revision: 21.05.2024

**Trade name: PressurePro Oil and Grease Cleaner Extra RM 31**

(Contd. of page 5)

· <b>Change in condition</b>	
· <b>Evaporation rate</b>	Not determined.
· <b>Information with regard to physical hazard classes</b>	
· <b>Explosives</b>	Void
· <b>Flammable gases</b>	Void
· <b>Aerosols</b>	Void
· <b>Oxidising gases</b>	Void
· <b>Gases under pressure</b>	Void
· <b>Flammable liquids</b>	Void
· <b>Flammable solids</b>	Void
· <b>Self-reactive substances and mixtures</b>	Void
· <b>Pyrophoric liquids</b>	Void
· <b>Pyrophoric solids</b>	Void
· <b>Self-heating substances and mixtures</b>	Void
· <b>Substances and mixtures, which emit flammable gases in contact with water</b>	Void
· <b>Oxidising liquids</b>	Void
· <b>Oxidising solids</b>	Void
· <b>Organic peroxides</b>	Void
· <b>Corrosive to metals</b>	May be corrosive to metals.
· <b>Desensitised explosives</b>	Void

### SECTION 10: Stability and reactivity

- **10.1 Reactivity** corresponds to 10.3
- **10.2 Chemical stability**
- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **10.3 Possibility of hazardous reactions**  
Strong exothermic reaction with acids  
Reacts with light alloys to form hydrogen  
Corrodes aluminium
- **10.4 Conditions to avoid** No further relevant information available.
- **10.5 Incompatible materials:** Not compatible with alkali-sensitive substances like Sn, Zn, Al and paintings.
- **10.6 Hazardous decomposition products:** No dangerous decomposition products known

### SECTION 11: Toxicological information

- **11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008**
- **Acute toxicity** Based on available data, the classification criteria are not met.
- **Primary irritant effect:**
- **Skin corrosion/irritation** Causes severe skin burns and eye damage.

(Contd. on page 7)

## Safety data sheet according to UK REACH

Printing date 24.10.2025

Version number 7 (replaces version 6)

Revision: 21.05.2024

**Trade name: PressurePro Oil and Grease Cleaner Extra RM 31**

(Contd. of page 6)

- **Serious eye damage/irritation** Causes serious eye damage.
- **Respiratory or skin sensitisation** Based on available data, the classification criteria are not met.
- **Germ cell mutagenicity** Based on available data, the classification criteria are not met.
- **Carcinogenicity** Based on available data, the classification criteria are not met.
- **Reproductive toxicity** 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.

· **11.2 Information on other hazards**

· **Endocrine disrupting properties**

None of the ingredients is listed.

## SECTION 12: Ecological information

· **12.1 Toxicity**

· **Aquatic toxicity:**

**1310-73-2 sodium hydroxide**

LC50/96 h	125 mg/l (Gambusia affinis)
EC50/48 h	76 mg/l (Daphnia magna)
	40.4 mg/l (Ceriodaphnia dubia)
EC50/15 min	22 mg/l (Photobacterium phosphoreum)

- **12.2 Persistence and degradability** No further relevant information available.
- **12.3 Bioaccumulative potential** No further relevant information available.
- **12.4 Mobility in soil** No further relevant information available.
- **12.5 Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **12.6 Endocrine disrupting properties** The product does not contain substances with endocrine disrupting properties.
- **12.7 Other adverse effects**
- **Additional ecological information:**
- **COD-value:** 115000 mg/l

· **General notes:**

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.

(Contd. on page 8)

## Safety data sheet according to UK REACH

Printing date 24.10.2025

Version number 7 (replaces version 6)

Revision: 21.05.2024

**Trade name: PressurePro Oil and Grease Cleaner Extra RM 31**

(Contd. of page 7)

The product does not contain organically bounded halogens (AOX-free).

The contained organic complexing agents reach a DOC-elimination grade of 80% (corresponding to No. 406 of Annex "Analytic and measuring methods") and with this meet the tightened demands of Annex 49 of the revised Directive on liquid waste.

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

Rinse off of bigger amounts into drains or the aquatic environment may lead to increased pH-values. A high pH-value harms aquatic organisms. In the dilution of the use-level the pH-value is considerably reduced, so that after the use of the product the aqueous waste, emptied into drains, is only low water-dangerous.

### SECTION 13: Disposal considerations

· **13.1 Waste treatment methods**

· **Recommendation**

Must not be disposed together with household garbage. Do not allow product to reach sewage system.  
Must be specially treated adhering to official regulations.

· **European waste catalogue**

20 01 29*	detergents containing hazardous substances
-----------	--

· **Uncleaned packaging:**

· **Recommendation:**

Empty contaminated packagings thoroughly. They may be recycled after thorough and proper cleaning.

· **Recommended cleansing agents:** Water, if necessary together with cleaning agents.

### SECTION 14: Transport information

· **14.1 UN number or ID number**

· **ADR, IMDG, IATA**

UN1824

· **14.2 UN proper shipping name**

· **ADR**

1824 SODIUM HYDROXIDE SOLUTION

· **IMDG, IATA**

SODIUM HYDROXIDE SOLUTION

· **14.3 Transport hazard class(es)**

· **ADR**



· **Class**

8 (C5) Corrosive substances.

(Contd. on page 9)

## Safety data sheet according to UK REACH


Printing date 24.10.2025

Version number 7 (replaces version 6)

Revision: 21.05.2024

**Trade name: PressurePro Oil and Grease Cleaner Extra RM 31**

(Contd. of page 8)

· Label	8
· IMDG, IATA	
	
· Class	8 Corrosive substances.
· Label	8
· 14.4 Packing group	
· ADR, IMDG, IATA	II
· 14.5 Environmental hazards:	
Not applicable.	
· 14.6 Special precautions for user	
· Hazard identification number (Kemler code):	Warning: Corrosive substances. 80
· EMS Number:	F-A,S-B
· Segregation groups	(SGG18) Alkalis
· Stowage Category	A
· Segregation Code	SG35 Stow "separated from" SGG1-acids
· 14.7 Maritime transport in bulk according to IMO instruments	
Not applicable.	
· Transport/Additional information:	
· ADR	
· Limited quantities (LQ)	1L
· Excepted quantities (EQ)	Code: E2 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 500 ml
· Transport category	2
· Tunnel restriction code	E
· IMDG	
· Limited quantities (LQ)	1L
· Excepted quantities (EQ)	Code: E2 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 500 ml
· UN "Model Regulation":	
UN 1824 SODIUM HYDROXIDE SOLUTION, 8, II	

### SECTION 15: Regulatory information

- 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture
- Poisons Act

· Regulated explosives precursors

None of the ingredients is listed.

(Contd. on page 10)

## Safety data sheet according to UK REACH

Printing date 24.10.2025

Version number 7 (replaces version 6)

Revision: 21.05.2024

**Trade name: PressurePro Oil and Grease Cleaner Extra RM 31**

(Contd. of page 9)

· **Regulated poisons**

None of the ingredients is listed.

· **Reportable explosives precursors**

None of the ingredients is listed.

· **Reportable poisons**

1310-73-2	sodium hydroxide	12% of total caustic alkalinity
-----------	------------------	---------------------------------

· **Directive 2012/18/EU**

· **Named dangerous substances - ANNEX I** None of the ingredients is listed.

· **National regulations**

· **Information about limitation of use:** Employment restrictions concerning juveniles must be observed.

· **15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

### SECTION 16: Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.  
A product information sheet can be provided if requested.

· **Relevant phrases**

H290 May be corrosive to metals.  
H314 Causes severe skin burns and eye damage.  
H315 Causes skin irritation.  
H318 Causes serious eye damage.  
H319 Causes serious eye irritation.

· **Contact:**

Regulatory Affairs  
Tel.: +49-7195-14-0  
productsafety.management.de@karcher.com

· **Abbreviations and acronyms:**

ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)  
IMDG: International Maritime Code for Dangerous Goods  
IATA: International Air Transport Association  
GHS: Globally Harmonised System of Classification and Labelling of Chemicals  
EINECS: European Inventory of Existing Commercial Chemical Substances  
ELINCS: European List of Notified Chemical Substances  
CAS: Chemical Abstracts Service (division of the American Chemical Society)  
DNEL: Derived No-Effect Level (UK REACH)  
PBT: Persistent, Bioaccumulative and Toxic  
vPvB: very Persistent and very Bioaccumulative  
Met. Corr. 1: Corrosive to metals – Category 1  
Skin Corr. 1A: Skin corrosion/irritation – Category 1A  
Eye Dam. 1: Serious eye damage/eye irritation – Category 1

· **\* Data compared to the previous version altered.**

· 0-011-338-0                      RM 31 M/4                      2-740