

RECKLI® Mischerschutz ECO

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

1.1. Product identifier

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

Use of the substance/mixture

Other cleaning, care and maintenance products (excludes biocidal products), Metal surface treatment products

1.3. Details of the supplier of the safety data sheet

Company name:	RECKLI GmbH	
Street:	Industriestraße 36	
Place:	D-44628 Herne	
Telephone:	+49(0)2323/1706-0	Telefax: +49(0)2323/1706-50
e-mail:	info@reckli.de	
Contact person:	Richter	Telephone: +49(0)2323/1706-17
e-mail:	safety@reckli.de	
Internet:	www.reckli.de	
Responsible Department:	Labor	

1.4. Emergency telephone number:

24h Emergency Medical Number: 0800-181-7059
24h Emergency Number: 001-703-527-3887
CCN 232801

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

GB CLP Regulation

Asp. Tox. 1; H304

Full text of hazard statements: see SECTION 16.

2.2. Label elements

GB CLP Regulation

Hazard components for labelling

Hydrocarbons, C15-C20, n-alkanes, isoalkanes, cyclics, <0,03% aromatics

Signal word: Danger

Pictograms:



Hazard statements

H304 May be fatal if swallowed and enters airways.

Precautionary statements

P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/doctor.
P331 Do NOT induce vomiting.

2.3. Other hazards

No risks worthy of mention. Please observe the information on the safety data sheet at all times.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

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Chemical characterization

Hydrocarbons, aliphatic

Hazardous components

CAS No	Chemical name			Quantity
	EC No	Index No	REACH No	
	Classification (GB CLP Regulation)			
	Hydrocarbons, C15-C20, n-alkanes, isoalkanes, cyclics, <0,03% aromatics			> 80 %
	934-956-3		01-2119827000-58	
	Asp. Tox. 1; H304			

Full text of H and EUH statements: see section 16.

Specific Conc. Limits, M-factors and ATE

CAS No	Chemical name			Quantity
EC No	Specific Conc. Limits, M-factors and ATE			
	Hydrocarbons, C15-C20, n-alkanes, isoalkanes, cyclics, <0,03% aromatics			> 80 %
934-956-3	inhalation: LC50 = > 5,266 mg/l (dusts or mists); dermal: LD50 = > 3160 mg/kg; oral: LD50 = > 5000 mg/kg			

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

Change contaminated, saturated clothing.

After inhalation

Remove casualty to fresh air and keep warm and at rest.

When in doubt or if symptoms are observed, get medical advice.

After contact with skin

After contact with skin, wash immediately with plenty of water and soap.

In case of skin reactions, consult a physician.

After contact with eyes

Rinse immediately carefully and thoroughly with eye-bath or water.

In case of eye irritation consult an ophthalmologist.

After ingestion

Aspiration hazard. If swallowed, rinse mouth with water (only if the person is conscious). Do NOT induce vomiting.

Call a physician immediately.

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

No known symptoms to date.

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

Treat symptomatically.

SECTION 5: Firefighting measures**5.1. Extinguishing media****Suitable extinguishing media**Carbon dioxide (CO₂), Water mist, Foam, Extinguishing powder.**Unsuitable extinguishing media**

Full water jet.

5.2. Special hazards arising from the substance or mixtureIn case of fire may be liberated: Carbon monoxide (CO), Carbon dioxide (CO₂).**5.3. Advice for firefighters**

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Wear a self-contained breathing apparatus and chemical protective clothing. Full protection suit.
Use water spray jet to protect personnel and to cool endangered containers. Suppress gases/vapours/mists with water spray jet. Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General advice

Provide adequate ventilation. Do not breathe mist/vapours/spray. Avoid contact with skin, eyes and clothes.

6.2. Environmental precautions

Do not allow to enter into surface water or drains. Do not allow to enter into soil/subsoil.

6.3. Methods and material for containment and cleaning up

For containment

Prevent spread over a wide area (e.g. by containment or oil barriers). Cover drains.

For cleaning up

Absorb with liquid-binding material (sand, diatomaceous earth, acid- or universal binding agents).

Other information

Treat the recovered material as prescribed in the section on waste disposal.

6.4. Reference to other sections

Safe handling: see section 7

Personal protection equipment: see section 8

Disposal: see section 13

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling

Provide adequate ventilation. Do not breathe mist/vapours/spray. Avoid contact with skin, eyes and clothes.

Advice on general occupational hygiene

Change contaminated, saturated clothing. Draw up and observe skin protection programme. Wash hands before breaks and after work. When using do not eat, drink or smoke.

Further information on handling

Additional information: See section 8.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Keep container tightly closed in a cool, well-ventilated place. The floor should be leak tight, jointless and not absorbent. Provide for retaining containers, e.g. floor pan without outflow.

Hints on joint storage

Do not store together with: Pyrophoric or self-heating substances, Oxidising agent.
Keep away from food, drink and animal feedingstuffs.

7.3. Specific end use(s)

No identified use(s).

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Additional advice on limit values

To date, no national critical limit values exist.

8.2. Exposure controls

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**Appropriate engineering controls**

Provide adequate ventilation.

Individual protection measures, such as personal protective equipment**Eye/face protection**

Suitable eye protection: Tightly sealed safety glasses.

Hand protection

Suitable gloves type: Gloves with long cuffs.

Suitable material:

- NBR (Nitrile rubber) Material thickness: 0,5 mm, breakthrough time: > 480 min

The quality of the protective gloves resistant to chemicals must be chosen as a function of the specific working place concentration and quantity of hazardous substances.

Skin protection

Only wear fitting, comfortable and clean protective clothing.

Respiratory protection

With correct and proper use, and under normal conditions, breathing protection is not required. In case of inadequate ventilation wear respiratory protection.

Thermal hazards

No special measures are necessary.

Environmental exposure controls

Do not allow to enter into surface water or drains. Do not allow to enter into soil/subsoil.

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

Physical state:	Liquid
Colour:	light yellow
Odour:	like: Paraffin oil
Odour threshold:	No information available.

	Test method
Melting point/freezing point:	not determined
Boiling point or initial boiling point and boiling range:	275 - 330 °C
Flammability	
Solid/liquid:	not applicable
Lower explosion limits:	not applicable
Upper explosion limits:	not applicable
Flash point:	> 110 °C DIN EN ISO 2719
Auto-ignition temperature:	not determined
Decomposition temperature:	not determined
pH-Value:	not determined
Viscosity / kinematic:	8 mm²/s DIN 51562
Water solubility:	Immiscible
Solubility in other solvents	
not determined	
Partition coefficient n-octanol/water:	not determined
Vapour pressure:	< 0,01 hPa
(at 20 °C)	

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Density: 0,88 g/cm³ DIN 51757
Relative vapour density: not applicable

9.2. Other information

Information with regard to physical hazard classes

Explosive properties
not explosive according to EU A.14
Oxidizing properties
Not oxidising.

Other safety characteristics

Solvent content: 0,0 %
Solid content: not determined

SECTION 10: Stability and reactivity

10.1. Reactivity

No hazardous reaction when handled and stored according to provisions.

10.2. Chemical stability

The product is stable under storage at normal ambient temperatures.

10.3. Possibility of hazardous reactions

No known hazardous reactions.

10.4. Conditions to avoid

none

10.5. Incompatible materials

Oxidising agent, strong.

10.6. Hazardous decomposition products

No known hazardous decomposition products.

SECTION 11: Toxicological information

11.1. Information on hazard classes as defined in GB CLP Regulation

Acute toxicity

Based on available data, the classification criteria are not met.

CAS No	Chemical name				
	Exposure route	Dose	Species	Source	Method
	Hydrocarbons, C15-C20, n-alkanes, isoalkanes, cyclics, <0,03% aromatics				
	oral	LD50 > 5000 mg/kg	Rat	ECHA	OECD 401
	dermal	LD50 > 3160 mg/kg	Rabbit	ECHA	OECD 402
	inhalation (4 h) dust/mist	LC50 > 5,266 mg/l	Rat	ECHA	OECD 403

Irritation and corrosivity

Based on available data, the classification criteria are not met.

Sensitising effects

Based on available data, the classification criteria are not met.

Carcinogenic/mutagenic/toxic effects 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.

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Aspiration hazard

May be fatal if swallowed and enters airways.

Information on likely routes of exposure

Following inhalation: not relevant. In case of ingestion: Observe risk of aspiration if vomiting occurs. Following skin contact: not relevant. After eye contact: slightly irritant but not relevant for classification.

11.2. Information on other hazards

Endocrine disrupting properties

This product does not contain a substance that has endocrine disrupting properties with respect to humans as no components meets the criteria.

Other information

No further relevant information available.

Further information

Classification for mixtures and used evaluation method according to regulation (EC) No 1272/2008 [CLP]
There are no data available on the preparation/mixture itself.

SECTION 12: Ecological information

12.1. Toxicity

Based on available data, the classification criteria are not met.

CAS No	Chemical name				
Aquatic toxicity	Dose	[h] [d]	Species	Source	Method
	Hydrocarbons, C15-C20, n-alkanes, isoalkanes, cyclics, <0,03% aromatics				
Acute fish toxicity	LL50	> 1028 mg/l	96 h	Scophthalmus maximus	ECHA
Acute algae toxicity	ErC50	> 10000 mg/l	72 h	Skeletonema costatum	ECHA
Acute crustacea toxicity	EL50	> 3193 mg/l	48 h	Acartia tonsa	ECHA

12.2. Persistence and degradability

Readily biodegradable (according to OECD criteria).

CAS No	Chemical name			
	Method	Value	d	Source
	Evaluation			
	Hydrocarbons, C15-C20, n-alkanes, isoalkanes, cyclics, <0,03% aromatics			
	Biochemical oxygen demand	74 %	28	ECHA
	Readily biodegradable (according to OECD criteria).			

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 UK REACH.

12.6. Endocrine disrupting properties

This product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms as no components meets the criteria.

12.7. Other adverse effects

No further relevant information available.

Further information

Classification for mixtures and used evaluation method according to regulation (EC) No 1272/2008 [CLP]
There are no data available on the mixture itself. The ecotoxicological properties of this mixture are determined by the ecotoxicological properties of the single components (see section 3).

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SECTION 13: Disposal considerations**13.1. Waste treatment methods****Disposal recommendations**

Do not allow to enter into surface water or drains. Do not allow to enter into soil/subsoil.
Dispose of waste according to applicable legislation.

List of Wastes Code - residues/unused products

130207 OIL WASTES AND WASTES OF LIQUID FUELS (EXCEPT EDIBLE OILS, AND THOSE IN CHAPTERS 05, 12 AND 19); waste engine, gear and lubricating oils; readily biodegradable engine, gear and lubricating oils; hazardous waste

Contaminated packaging

Handle contaminated packages in the same way as the substance itself. Non-contaminated packages may be recycled.

SECTION 14: Transport information**Land transport (ADR/RID)**

14.1. UN number or ID number: --
14.2. UN proper shipping name: No dangerous good in sense of this transport regulation.
14.3. Transport hazard class(es): --
14.4. Packing group: --

Inland waterways transport (ADN)

14.1. UN number or ID number: --
14.2. UN proper shipping name: No dangerous good in sense of this transport regulation.
14.3. Transport hazard class(es): --
14.4. Packing group: --

Marine transport (IMDG)

14.1. UN number or ID number: --
14.2. UN proper shipping name: No dangerous good in sense of this transport regulation.
14.3. Transport hazard class(es): --
14.4. Packing group: --

Air transport (ICAO-TI/IATA-DGR)

14.1. UN number or ID number: --
14.2. UN proper shipping name: No dangerous good in sense of this transport regulation.
14.3. Transport hazard class(es): --
14.4. Packing group: --

14.5. Environmental hazards

ENVIRONMENTALLY HAZARDOUS: No

14.6. Special precautions for user

Keep away from food, drink and animal feedingstuffs.

14.7. Maritime transport in bulk according to IMO instruments

not applicable

SECTION 15: Regulatory information**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****EU regulatory information**

Restrictions on use (REACH, annex XVII):

Entry 3

2004/42/EC (VOC): VOC-value: 0,0 g/L (0 %)

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Information according to 2012/18/EU
(SEVESO III):

Not subject to 2012/18/EU (SEVESO III)

National regulatory information

Employment restrictions:

Observe restrictions to employment for juveniles according to the 'juvenile work protection guideline' (94/33/EC).

Water hazard class (D):

1 - slightly hazardous to water

15.2. Chemical safety assessment

For the following substances of this mixture a chemical safety assessment has been carried out:
Hydrocarbons, C15-C20, n-alkanes, isoalkanes, cyclics, <0,03% aromatics

SECTION 16: Other information**Changes**

Revision date: 18.11.2022

Revision No: 0,12

Replaces version: 0,11

This data sheet contains changes from the previous version in section(s): 1.

Abbreviations and acronyms

ADR: Accord européen sur le transport 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 Harmonized 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

LC50: Lethal concentration, 50%

LD50: Lethal dose, 50%

ATE: acute toxicity estimates

ECHA: european chemicals agency

(http://echa.europa.eu/information-on-chemicals)

GESTIS: Gefahrstoffinformationssystem der Deutschen Gesetzlichen Unfallversicherung

(http://dguv.de/ifa/GESTIS/GESTIS-Stoffdatenbank/index.jsp)

MSDS:

The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.

Classification for mixtures and used evaluation method according to GB CLP Regulation

Classification	Classification procedure
Asp. Tox. 1; H304	Calculation method

Relevant H and EUH statements (number and full text)

H304 May be fatal if swallowed and enters airways.

Further Information

The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet. The information is based on the present level of our knowledge. It does not, however, give assurance of product properties and establishes no contract legal rights.