SAFETY DATA SHEET

Anti Rust Ltr

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

1.1. Product identifier

Trade name

Anti Rust Ltr

▼Unique formula identifier (UFI)

WKRA-S9W6-22EX-EHR4

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

Relevant identified uses of the substance or mixture

Industrial purposes

Use descriptors (REACH)

Sectors of use	**Description**
LCS "PW"	Professional uses: Public domain (administration, education, entertainment, services, craftsmen)
LCS "C"	Consumer uses: Private households (= general public = consumers)
Product category	**Description**
PC 24	Lubricants, Greases and Release Products
Process category	**Description**
PROC 4	Use in batch and other PROC ess (synthesis) where opportunity for exposure arises
Environmental release category	**Description**
ERC 8a	Wide dispersive indoor use of processing aids in open systems

Uses advised against

None known.

1.3. Details of the supplier of the safety data sheet

▼Company and address

Pureno A/S
Gefionsvej 20
3400 Hillerød
Denmark
+45 70 260 267

▼Contact person

Lars Skaarup

▼E-mail

ls@pureno.dk

Revision

19/09/2024

SDS Version

2.0

Date of previous version

09/01/2023 (1.0)

1.4. Emergency telephone number

Contact the poison hotline: +45 82 12 12 12 (24 hour service)
See section 4 “First aid measures”.

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Flam. Liq. 3; H226, Flammable liquid and vapour.
Asp. Tox. 1; H304, May be fatal if swallowed and enters airways.

STOT SE 3; H336, May cause drowsiness or dizziness.

2.2. Label elements

Hazard pictogram(s)

Signal word

Danger

Hazard statement(s)

Flammable liquid and vapour. (H226)
May be fatal if swallowed and enters airways. (H304)
May cause drowsiness or dizziness. (H336)

Precautionary statement(s)

General

If medical advice is needed, have product container or label at hand. (P101)
Keep out of reach of children. (P102)

Prevention

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. (P210)
Use only outdoors or in a well-ventilated area. (P271)

Response

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

Storage

Store locked up. (P405)

▼Disposal

Dispose of contents/container in accordance with local regulation (P501)

▼Hazardous substances

Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, < 2% aromatics
Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics

Additional labelling

EUH066, Repeated exposure may cause skin dryness or cracking.
EUH208, Contains Benzenesulfonic acid, di-C10-14-alkyl derivs., calcium salts.. May produce an allergic reaction.

UFI: WKRA-S9W6-22EX-EHR4

VOC

VOC content: 0 g/L
MAXIMUM VOC CONTENT (Phase II, category A/i (SB): 500 g/L)

2.3. Other hazards

▼Additional warnings

This mixture/product does not contain any substances known to fulfil the criteria for PBT and vPvB classification.
This product does not contain any substances considered to be endocrine disruptors in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2023/707.

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable. This product is a mixture.

3.2. ▼Mixtures

Product/substance	Identifiers	% w/w	Classification	Note
Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, < 2% aromatics	CAS No.: 64742-48-9 EC No.: 918-481-9 REACH: Index No.:	40-60%	EUH066 Asp. Tox. 1, H304	[19]
Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics	CAS No.: EC No.: 919-857-5 REACH: 01-2119463258-33-XXXX Index No.:	25-40%	EUH066 Flam. Liq. 3, H226 Asp. Tox. 1, H304 STOT SE 3, H336	

Benzenesulfonic acid, di-C10-14-alkyl derivs., calcium salts.	CAS No.: 1471316-72-9 EC No.: 939-603-7 REACH: 01-2119978241-36-XXXX Index No.:	5-10%	Skin Sens. 1B, H317 (SCL: 10.00 %)

See full text of H-phrases in section 16. Occupational exposure limits are listed in section 8, if these are available.

Other information
[19] UVCB = Unknown or variable composition, complex reaction products or of biological materials

SECTION 4: First aid measures

4.1. Description of first aid measures
General information
In the case of accident: Contact a doctor or casualty department – take the label or this safety data sheet. Contact a doctor if in doubt about the injured person's condition or if the symptoms persist. Never give an unconscious person water or other drink.
Inhalation
Upon breathing difficulties or irritation of the respiratory tract: Bring the person into fresh air and stay with him/her.
Skin contact
Remove contaminated clothing and shoes immediately. Ensure to wash exposed skin thoroughly with water and soap. Skin cleanser can be used. DO NOT use solvents or thinners.
If skin irritation occurs: Get medical advice/attention.
▼Eye contact
If in eyes: Flush eyes with water or saline water (20-30 °C) for at least 5 minutes. Remove contact lenses. Seek medical assistance and continue flushing during transport.
Ingestion
IF SWALLOWED: Immediately call a POISON CENTER/doctor.
Do not induce vomiting! If vomiting occurs, keep head facing down so that vomit does not get into the lungs. Call a doctor or ambulance. Symptoms of chemical pneumonia can appear after several hours. People who have swallowed the product should therefore be kept under medical attention for at least 48 hours.
Burns
Rinse with water until pain stops then continue to rinse for 30 minutes.
4.2. Most important symptoms and effects, both acute and delayed
This product contains substances that can cause chemical pneumonia if swallowed. Symptoms of chemical pneumonia may appear after several hours.
Sensitisation: This product contains substances, which may trigger allergic reaction upon dermal contact.
Manifestation of allergic reactions typically takes place within 12-72 hours after exposure.
4.3. Indication of any immediate medical attention and special treatment needed
IF exposed or concerned:
Get immediate medical advice/attention.
Information to medics
Bring this safety data sheet or the label from this product.

SECTION 5: Firefighting measures

5.1. Extinguishing media
Suitable extinguishing media: Alcohol-resistant foam, carbon dioxide, powder, water mist.
Unsuitable extinguishing media: Waterjets should not be used, since they can spread the fire.
5.2. ▼Special hazards arising from the substance or mixture
Flammable liquid and vapour.
In use may form flammable/explosive vapour-air mixture.
Fire will result in dense smoke. Exposure to combustion products may harm your health. Closed containers, which are exposed to fire, should be cooled with water. Do not allow fire-extinguishing water to enter the sewage system and nearby surface waters.
If the product is exposed to high temperatures, e.g. in the event of fire, dangerous decomposition compounds are produced. These are:
Carbon oxides (CO / CO2)

5.3. Advice for firefighters

Wear self-contained breathing apparatus and protective clothing to prevent contact. Upon direct exposure contact the chemical emergency services on 72 85 20 00 (24 h service) in order to obtain further advice.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Storages not yet ignited must be cooled by water mist. Remove flammable materials if conditions allow it. Ensure sufficient ventilation.
Avoid direct contact with spilled substances.
Ensure adequate ventilation, especially in confined areas.
Avoid inhalation of vapours from spilled material.

6.2. Environmental precautions

Avoid discharge to lakes, streams, sewers, etc.
Keep unauthorized persons away from the spill

6.3. ▼Methods and material for containment and cleaning up

Limit spillage and collect using granular absorbent or similar materials, and dispose of it in accordance with the regulations on dangerous waste.
Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations.
Wherever possible cleaning should be performed with normal cleaning agents. Avoid use of solvents.

6.4. Reference to other sections

See section 13 “Disposal considerations” on handling of waste.
See section 8 "Exposure controls/personal protection" for protective measures.

SECTION 7: Handling and storage

7.1. ▼Precautions for safe handling

Avoid direct contact with the product.
Smoking, drinking and consumption of food is not allowed in the work area.
See section 8 "Exposure controls/personal protection" for information on personal protection.

7.2. Conditions for safe storage, including any incompatibilities

Must be stored in a cool and well-ventilated area, away from possible sources of ignition.

Recommended storage material

Always store in containers of the same material as the original container.

Storage conditions

> 0°C

Incompatible materials

Strong acids, strong bases, strong oxidizing agents, and strong reducing agents.

7.3. Specific end use(s)

This product should only be used for applications quoted in section 1.2.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

No substances are listed in the national list of substances with an occupational exposure limit.

▼DNEL

Benzenesulfonic acid, di-C10-14-alkyl derivs., calcium salts.

Duration:	Route of exposure:	DNEL:
Long term – Systemic effects - General population	Dermal	12.5 mg/kg bw/day
Long term – Systemic effects - Workers	Dermal	25 mg/kg bw/day
Short term – Local effects - General population	Dermal	518 µg/cm²
Short term – Local effects - Workers	Dermal	1.04 mg/cm²
Long term – Systemic effects - General population	Inhalation	8.7 mg/m³
Long term – Systemic effects - Workers	Inhalation	35.26 mg/m³
Long term – Systemic effects - General population	Oral	2.5 mg/kg bw/day

Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, < 2% aromatics

Duration:	Route of exposure:	DNEL:
Long term – Systemic effects - General population	Dermal	46 mg/kg bw/day
Long term – Systemic effects - Workers	Dermal	77 mg/kg bw/day
Long term – Local effects - General population	Inhalation	178.57 mg/m³
Long term – Local effects - Workers	Inhalation	837.5 mg/m³
Long term – Systemic effects - General population	Inhalation	410 µg/m³
Long term – Systemic effects - General population	Inhalation	185 mg/m³
Long term – Systemic effects - Workers	Inhalation	1.9 mg/m³
Long term – Systemic effects - Workers	Inhalation	871 mg/m³
Short term – Local effects - General population	Inhalation	640 mg/m³
Short term – Local effects - Workers	Inhalation	1066.67 mg/m³
Short term – Systemic effects - General population	Inhalation	1152 mg/m³
Short term – Systemic effects - Workers	Inhalation	1286.4 mg/m³
Long term – Systemic effects - General population	Oral	46 mg/kg bw/day

▼PNEC

Benzenesulfonic acid, di-C10-14-alkyl derivs., calcium salts.

Route of exposure:	Duration of Exposure:	PNEC:
Freshwater		100 µg/L
Freshwater sediment		45211 mg/kg
Intermittent release (freshwater)		1 mg/L
Marine water		100 µg/L
Marine water sediment		45211 mg/kg
Sewage treatment plant		1 g/L
Soil		36.74 g/kg

8.2. ▼Exposure controls

Apply general control to prevent unnecessary exposure

General recommendations

Smoking, drinking and consumption of food is not allowed in the work area.

Exposure scenarios

There are no exposure scenarios implemented for this product.

Exposure limits

Occupational exposure limits have not been defined for the substances in this product.

Appropriate technical measures

Apply standard precautions during use of the product. Avoid inhalation of gas or dust.

▼Hygiene measures

In between use of the product and at the end of the working day all exposed areas of the body must be washed thoroughly. Pay special attention to hands, forearms and face.

Measures to avoid environmental exposure

Keep damming materials near the workplace. If possible, collect spillage during work.

Individual protection measures, such as personal protective equipment

Generally

Use only CE marked protective equipment.

Respiratory Equipment

Type	Class	Colour	Standards
A	Class 2 (medium capacity)	Brown	EN14387

Skin protection

Recommended	Type/Category	Standards	
Dedicated work clothing should be worn	-	-	

Hand protection

Material	Glove thickness (mm)	Breakthrough time (min.)	Standards	
Nitrile	0.3	> 60	EN374-2, EN374-3, EN388	

Eye protection

Type	Standards	
Safety glasses with side shields.	EN166	

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state
Aerosol

Colour
Brown

Odour / Odour threshold
Characteristic

pH
7

Density (g/cm^3)
0.82

▼Kinematic viscosity
No relevant or available data due to the nature of the product.

▼Particle characteristics
No relevant or available data due to the nature of the product.

Phase changes

Melting point/Freezing point (°C)
-54,00000000

Softening point/range (°C)
Does not apply to aerosols.

Boiling point (°C)
150

▼Vapour pressure
No relevant or available data due to the nature of the product.

▼Relative vapour density
No relevant or available data due to the nature of the product.

▼Decomposition temperature (°C)
No relevant or available data due to the nature of the product.

Data on fire and explosion hazards

Flash point (°C)
38

▼Flammability (°C)
210

▼Auto-ignition temperature (°C)
No relevant or available data due to the nature of the product.

Lower and upper explosion limit (% v/v)
0.6 - 8

Solubility

▼Solubility in water
No relevant or available data due to the nature of the product.
▼n-octanol/water coefficient (LogKow)
No relevant or available data due to the nature of the product.
▼Solubility in fat (g/L)
No relevant or available data due to the nature of the product.

9.2. Other information

VOC (g/L)
0
Other physical and chemical parameters
No data available.
▼Oxidizing properties
No relevant or available data due to the nature of the product.

SECTION 10: Stability and reactivity

10.1. Reactivity
No data available.

10.2. Chemical stability
The product is stable under the conditions, noted in section 7 “Handling and storage”.

10.3. Possibility of hazardous reactions
None known.

10.4. Conditions to avoid
Avoid static electricity.
Do not expose to any forms of heat (e.g. solar radiation). May lead to excess pressure.

10.5. Incompatible materials
Strong acids, strong bases, strong oxidizing agents, and strong reducing agents.

10.6. Hazardous decomposition products
The product is not degraded when used as specified in section 1.

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.
Skin corrosion/irritation
Based on available data, the classification criteria are not met.
Serious eye damage/irritation
Based on available data, the classification criteria are not met.
Respiratory sensitisation
Based on available data, the classification criteria are not met.
Skin sensitisation
This product contains substances that may trigger an allergic reaction in already sensitized persons.
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
May cause drowsiness or dizziness.
STOT-repeated exposure
Based on available data, the classification criteria are not met.
Aspiration hazard
May be fatal if swallowed and enters airways.

11.2. Information on other hazards

Long term effects
None known.
▼Endocrine disrupting properties

This mixture/product does not contain any substances known to have hormone-disrupting properties in relation to health.

Other information

None known.

SECTION 12: Ecological information

12.1. Toxicity

No data available.

12.2. ▼Persistence and degradability

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

12.3. ▼Bioaccumulative potential

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

12.4. Mobility in soil

No data available.

12.5. ▼Results of PBT and vPvB assessment

This mixture/product does not contain any substances known to fulfil the criteria for PBT and vPvB classification.

12.6. ▼Endocrine disrupting properties

This mixture/product does not contain any substances considered to have endocrine-disrupting properties in relation to the environment.

12.7. Other adverse effects

None known.

SECTION 13: Disposal considerations

13.1. ▼Waste treatment methods

Product is covered by the regulations on hazardous waste. (*)
HP 3 - Flammable
Dispose of contents/container to an approved waste disposal plant.
Commission Regulation (EU) No 1357/2014 of 18 December 2014 on waste.

▼EWC code

20 01 13* Solvents

Specific labelling

Not applicable.

Contaminated packing

Packaging containing residues of the product must be disposed of similarly to the product.

SECTION 14: Transport information

	14.1 UN / ID	14.2 UN proper shipping name	14.3 Hazard class(es)	14.4 PG*	14.5 Env**	Other information:
ADR	1268	PETROLEUM DISTILLATES, N.O.S. (Hydrocarbons) (Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, < 2% aromatics)	Transport hazard class: 3 Label: 3 Classification code: F1	III	No	Limited quantities: 5 L Tunnel restriction code: 3 (D/E) See below for additional information.
IMDG	1268	PETROLEUM DISTILLATES, N.O.S. (Hydrocarbons) (Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, < 2% aromatics)	Transport hazard class: 3 Label: 3 Classification code: F1	III	No	Limited quantities: 5 L EmS: F-E S-E

	14.1 UN / ID	14.2 UN proper shipping name	14.3 Hazard class(es)	14.4 PG*	14.5 Env**	Other information:
						See below for additional information.
IATA	1268	PETROLEUM DISTILLATES, N.O.S. (Hydrocarbons) (Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, < 2% aromatics)	Transport hazard class: 3 Label: 3 Classification code: F1	III	No	See below for additional information.

* Packing group

** Environmental hazards

Additional information

ADR / See Table A, section 3.2.1 for any information on special provisions, requirements, or warnings in connection with transport. See section 5.4.3, for instructions in writing regarding mitigation of damages in relation to incidents or accidents during transport.
IMDG / See section 3.2.1, for any information on special provisions, requirements, or warnings in connection with transport.
IATA / See Table 4.2 for any information on special provisions, requirements, or warnings in connection with transport.
This product is within scope of the regulations of transport of dangerous goods.

14.6. Special precautions for user

Not applicable.

14.7. Maritime transport in bulk according to IMO instruments

No data available.

SECTION 15: Regulatory information

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

Restrictions for application

People under the age of 18 shall not be exposed to this product.

Demands for specific education

No specific requirements.

SEVESO - Categories / dangerous substances

P5c - FLAMMABLE LIQUIDS, Qualifying quantity (lower-tier): 5.000 tonnes / (upper-tier): 50.000 tonnes

▼REACH, Annex XVII

Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics is subject to REACH restrictions (entry 40).

▼Additional information

Not applicable.

▼Sources

The Danish Working Environment Authority's executive order no. 1049 of 30 May 2021 on young people's work.
Based on Council Directive 94/33 / EC of 22 June 1994 on the protection of young people at work.
Executive Order no. 247 of 14 March 2014 on interior design, etc. of aerosols, as amended by EO No. 301 of 27 March 2014, EO no. 478 of 25 May 2016 and EO 1336 of 29 November 2017.
Executive Order no. 372 of 25 April 2016 on control of the risk of major accidents with dangerous substances.
Executive Order no. 1369 of 25 November 2015 on the marketing and labeling of volatile organic compounds in certain paints and varnishes as well as products for car repair painting.
Commission Regulation (EU) No 1357/2014 of 18 December 2014 on waste.
Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures (CLP).
Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH).

15.2. Chemical safety assessment

No

SECTION 16: Other information

Full text of H-phrases as mentioned in section 3

EUH066, Repeated exposure may cause skin dryness or cracking.
H226, Flammable liquid and vapour.
H304, May be fatal if swallowed and enters airways.
H317, May cause an allergic skin reaction.
H336, May cause drowsiness or dizziness.

The full text of identified uses as mentioned in section 1

LCS "PW" = Professional uses: Public domain (administration, education, entertainment, services, craftsmen)
LCS "C" = Consumer uses: Private households (= general public = consumers)
PROC 4 = Use in batch and other PROC ess (synthesis) where opportunity for exposure arises
PC 24 = Lubricants, Greases and Release Products
ERC 8a = Wide dispersive indoor use of processing aids in open systems

▼Abbreviations and acronyms

ADN = European Provisions concerning the International Carriage of Dangerous Goods by Inland Waterway
ADR = The European Agreement concerning the International Carriage of Dangerous Goods by Road
ATE = Acute Toxicity Estimate
BCF = Bioconcentration Factor
CAS = Chemical Abstracts Service
CE = Conformité Européenne (European conformity)
CLP = Classification, Labelling and Packaging Regulation [Regulation (EC) No. 1272/2008]
CSA = Chemical Safety Assessment
CSR = Chemical Safety Report
DMEL = Derived Minimal Effect Level
DNEL = Derived No Effect Level
EINECS = European Inventory of Existing Commercial chemical Substances
ES = Exposure Scenario
EUH statement = CLP-specific Hazard statement
EuPCS = European Product Categorisation System
EWC = European Waste Catalogue
GHS = Globally Harmonized System of Classification and Labelling of Chemicals
GWP = Global warming potential
IARC = International Agency for Research on Cancer (IARC)
IATA = International Air Transport Association
IBC = Intermediate Bulk Container
IMDG = International Maritime Dangerous Goods
LogPow = logarithm of the octanol/water partition coefficient
MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)
OECD = Organisation for Economic Co-operation and Development
PBT = Persistent, Bioaccumulative and Toxic
PNEC = Predicted No Effect Concentration
RID = The Regulations concerning the International Carriage of Dangerous Goods by Rail
RRN = REACH Registration Number
SCL = A specific concentration limit
SVHC = Substances of Very High Concern
STOT-RE = Specific Target Organ Toxicity - Repeated Exposure
STOT-SE = Specific Target Organ Toxicity - Single Exposure
TWA = Time weighted average
UN = United Nations
UVBC = Unknown or variable composition, complex reaction products or of biological materials
VOC = Volatile Organic Compound
vPvB = Very Persistent and Very Bioaccumulative

▼Additional information

The classification of the mixture in regard of health hazards is in accordance with the calculation methods given by Regulation (EC) No. 1272/2008 (CLP).
The classification of the mixture in regard to physical hazards has been based on experimental data.

The safety data sheet is validated by

Lisbet Tetsche

▼Other

A change (in proportion to the last essential change (first cipher in SDS version, see section 1)) is marked with a triangle.
The information in this safety data sheet applies only to this specific product (mentioned in section 1) and is not necessarily correct for use with other chemicals/products.
It is recommended to hand over this safety data sheet to the actual user of the product. Information in this safety

data sheet cannot be used as a product specification.
Country-language: DK-en