

SAFETY DATA SHEET

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

1.1. Product identifier

Trade name

AR-32 Antirust

Product no.

-

REACH registration number

Not applicable

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

Relevant identified uses of the substance or mixture

NA

Lubricants, Greases and Release Products (PC24)

Transfer of substance or preparation into small containers (dedicated filling line, including weighing) (PROC 9)

Formulation [mixing] of preparations and/or re-packaging (excluding alloys) (SU 10)

Professional uses: Public domain (administration, education, entertainment, services, craftsmen) (SU 22)

Formulation of preparations (ERC2)

Metal articles (AC7)

Uses advised against

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The full text of any mentioned and identified use categories are given in section 16

1.3. Details of the supplier of the safety data sheet

Company and address

Pureno A/S

Rønnevangs Allé 8

3400 Hillerød

Denmark

Tlf.: +45 70 260 267

Contact person

Kenneth Christensen

E-mail

mail@pureno.dk

SDS date

2018-08-20

SDS Version

3.0

1.4. Emergency telephone number

Contact The National Poisons Information Service (dial 111, 24 h service). See section 4 "First aid measures".

SECTION 2: Hazards identification

▼ 2.1. Classification of the substance or mixture

Flam. Liq. 3; H226

Asp. Tox. 1; H304

Skin Sens. 1; H317

STOT SE 3; H336

See full text of H-phrases in section 2.2.

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 an allergic skin reaction. (H317)
 May cause drowsiness or dizziness. (H336)

Safety statement(s)

General If medical advice is needed, have product container or label at hand. (P101).
 Keep out of reach of children. (P102).
Prevention Wear protective gloves/eye protection. (P280).
Response IF SWALLOWED: Immediately call a POISON CENTER/doctor. (P301+P310).
Storage Store locked up. (P405).
Disposal Dispose of contents/container to an approved waste disposal plant. (P501).

Identity of the substances primarily responsible for the major health hazards

naphtha (råolie), hydrogenbehandlet tung, Benzensulfonsyre, di C10-C14 alkyl derivater, calciumsalte

2.3. Other hazards

This product contains substances that can cause chemical pneumonia if inhaled. The symptoms of chemical pneumonia may appear after several hours.

Additional labelling

Not applicable

Additional warnings

Tactile warning. If this product is sold in retail, it must be delivered with child-resistant fastening.

VOC

Not applicable

SECTION 3: Composition/information on ingredients**3.1/3.2. Substances/Mixtures**

NAME:	naphtha (råolie), hydrogenbehandlet tung
IDENTIFICATION NOS.:	CAS-no: 64742-48-9 EC-no: 919-857-5 REACH-no: 01-2119463258-33
CONTENT:	80-95%
CLP CLASSIFICATION:	Flam. Liq. 3, Asp. Tox. 1, , STOT SE 3 H226, H304, EUH066, H336

NAME:	Benzensulfonsyre, di C10-C14 alkyl derivater, calciumsalte
IDENTIFICATION NOS.:	EC-no: 939-603-7 REACH-no: 01-2119978241-36
CONTENT:	10 - <15%
CLP CLASSIFICATION:	Skin Sens. 1B H317

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

Other information

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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. The doctor can contact The National Poisons Information Service (dial 111, 24 h service). 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**

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 soap and water. Skin cleanser can be used. DO NOT use solvents or thinners.

▼ **Eye contact**

Remove contact lenses and open eyes widely. Flush eyes with water or saline water(20-30°C) for at least 15 minutes. Seek medical assistance and continue flushing during transport.

▼ **Ingestion**

Do not induce vomiting! If vomiting occurs, keep head facing down to prevent vomit entering the lungs. Call a doctor or ambulance. Symptoms of chemical pneumonia can appear after several hours. People who have swallowed the product should be kept under medical attention for a minimum of 48 hours.

Burns

Rinse with water until the pain stops then continue to rinse for a further 30 minutes.

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

This product contains substances that can cause chemical pneumonia if inhaled. The 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.

SECTION 5: Firefighting measures▼ **5.1. Extinguishing media**

Recommended: alcohol-resistant foam, carbonic acid, powder, water mist. Waterjets should not be used, since they can spread the fire.

▼ **5.2. Special hazards arising from the substance or mixture**

Nothing special

▼ **5.3. Advice for firefighters**

Wear self-contained breathing apparatus and protective clothing to prevent contact. Upon direct exposure contact The National Poisons Information Service (dial 111, 24 h service) in order to obtain further advice.

SECTION 6: Accidental release measures▼ **6.1. Personal precautions, protective equipment and emergency procedures**

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

▼ **6.2. Environmental precautions**

No specific requirements.

▼ **6.3. Methods and material for containment and cleaning up**

Use sand, sawdust, earth, vermiculite, diatomaceous earth to contain and collect non-combustible absorbent materials and place in container for disposal, according to local regulations. To the extent possible cleaning is performed with normal cleaning agents. Avoid use of solvents.

▼ **6.4. Reference to other sections**

See section on "Disposal considerations" in regard of handling of waste. See section on 'Exposure controls/personal protection' for protective measures.

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

Avoid static electricity. Protect electrical equipment in accordance with current standards. To divert static electricity during transmission, containers must be grounded and connected by wire with the receiving containers. Do not use spark-forming tools.

Smoking, storage of tobacco, consumption and storage of food or liquids are not allowed in the workrooms. See section on 'Exposure controls/personal protection' for information on personal protection. Avoid direct contact with the product.

▼ **7.2. Conditions for safe storage, including any incompatibilities**

Always store in containers of the same material as the original container. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Must be stored in a cool and well-ventilated area, away from possible sources of ignition.

Storage temperature

No data available.

▼ 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

▼ OEL

No substances are listed in The Control of Substances Hazardous to Health Regulations with an occupational exposure limit.

▼ DNEL / PNEC

PNEC (Benzensulfonsyre, di C10-C14 alkyl derivater, calciumsalte): 0,1 mg/l
Exposure: Freshwater

PNEC (Benzensulfonsyre, di C10-C14 alkyl derivater, calciumsalte): 0,1 mg/l
Exposure: Marine water

PNEC (Benzensulfonsyre, di C10-C14 alkyl derivater, calciumsalte): 1 mg/l
Exposure: Intermittent release

PNEC (Benzensulfonsyre, di C10-C14 alkyl derivater, calciumsalte): 36739,74 mg/kgsoil dw
Exposure: Soil

8.2. Exposure controls

▼ Control is unnecessary if the product is used as intended.

General recommendations

▼ Observe general occupational hygiene standards.

Exposure scenarios

In the event exposure scenarios are appended to the safety data sheet, the operational conditions and risk management measures in these shall be complied with.

▼ 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. Always wash hands, forearms and face.

▼ Measures to avoid environmental exposure

Keep containment 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

No specific requirements.

▼ Skin protection

Dedicated work clothing should be worn. Wear a protective suit in the event of prolonged periods of work with the product.

▼ Hand protection

Recommended: Nitrile rubber

Eye protection

No specific requirements.

SECTION 9: Physical and chemical properties

▼ 9.1. Information on basic physical and chemical properties

Form	Liquid
Colour	Brown
Odour	Gasoline-like
Odour threshold (ppm)	No data available.
pH	7
Viscosity (40°C)	4 centistokes
Density (g/cm ³)	82
Phase changes	
Melting point (°C)	No data available.
Boiling point (°C)	No data available.
Vapour pressure	No data available.
Decomposition temperature (°C)	No data available.
Evaporation rate (n-butylacetate = 100)	No data available.
Data on fire and explosion hazards	
Flash point (°C)	38
Ignition (°C)	No data available.
Auto flammability (°C)	No data available.
Explosion limits (% v/v)	0,6 - 8 v/v%
Explosive properties	No data available.
Solubility	
Solubility in water	Insoluble
n-octanol/water coefficient	No data available.
9.2. Other information	
Solubility in fat (g/L)	No data available.

SECTION 10: Stability and reactivity

10.1. Reactivity

No data available

▼ 10.2. Chemical stability

The product is stable under the conditions, noted in the section "Handling and storage".

▼ 10.3. Possibility of hazardous reactions

Nothing special

▼ 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 toxicological effects

▼ Acute toxicity

Substance: Benzensulfonsyre, di C10-C14 alkyl derivater, calciumsalte

Species: Rat

Test: LD50

Route of exposure: Dermal

Result: >2000mg/kg bw

Substance: Benzensulfonsyre, di C10-C14 alkyl derivater, calciumsalte

Species: Rat

Test: LD50

Route of exposure: Oral

Result: 10000-20000 mg/kg bw

Substance: Benzensulfonsyre, di C10-C14 alkyl derivater, calciumsalte

Species: Rat

Test: LC50

Route of exposure: Inhalation

Result: >1,9 mg/l

Substance: naphtha (råolie), hydrogenbehandlet tung

Species: Rabbit
 Test: LD50
 Route of exposure: Dermal
 Result: >2000 mg/kg bw

Substance: naphtha (råolie), hydrogenbehandlet tung
 Species: Rat
 Test: LD50
 Route of exposure: Oral
 Result: >5000 mg/kg bw

Substance: naphtha (råolie), hydrogenbehandlet tung
 Species: Rat
 Test: LC50
 Route of exposure: Inhalation
 Result: >5610 mg/m³

▼ **Skin corrosion/irritation**

No data available.

Serious eye damage/irritation

No data available.

Respiratory or skin sensitisation

May cause an allergic skin reaction.

Germ cell mutagenicity

No data available.

Carcinogenicity

No data available.

Reproductive toxicity

No data available.

▼ **STOT-single exposure**

May cause drowsiness or dizziness.

STOT-repeated exposure

No data available.

Aspiration hazard

May be fatal if swallowed and enters airways.

▼ **Long term effects**

Nothing special

SECTION 12: Ecological information

▼ **12.1. Toxicity**

No data available.

▼ **12.2. Persistence and degradability**

Substance	Biodegradability	Test	Result
Benzensulfonsyre, di C10-C14 a...	No	Closed Bottle Test	8%
naphtha (råolie), hydrogenbeha...	Yes	Manometric Respirometry Test	77,05%

▼ **12.3. Bioaccumulative potential**

Substance	Potential bioaccumulation	LogPow	BCF
Benzensulfonsyre, di C10-C14 a...	Yes	6,91	No data available

▼ **12.4. Mobility in soil**

Benzensulfonsyre, di C10-C14 a...: Log Koc= 5,550429, Calculated from LogPow (Low mobility potential.).

▼ **12.5. Results of PBT and vPvB assessment**

This mixture/product does not contain any substances considered to meet the criteria classifying them as PBT and/or vPvB.

▼ **12.6. Other adverse effects**

This product contains substances, which due to poor biodegradability, may cause adverse long-term effects to the aquatic environment,
 This product contains substances with the potential of bioaccumulation resulting in the risk of accumulation in the food chain. Bioaccumulative substances are concentrated in adipose tissue and are not easily secreted.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Product is covered by the regulations on hazardous waste.

Waste

EWC code
14.06.03

Specific labelling

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▼ Contaminated packing

Contaminated packaging must be disposed of similarly to the product.

SECTION 14: Transport information**14.1 – 14.4**

This product is within scope of the regulations of transport of dangerous goods.

ADR/RID

14.1. UN number	1993
14.2. UN proper shipping name	-
14.3. Transport hazard class(es)	3
14.4. Packing group	III
Notes	-
Tunnel restriction code	(D/E)

IMDG

UN-no.	1993
Proper Shipping Name	Flammable Liquid N.O.S. (naphta(Petroleum), hydrosulfurized heavy)
Class	3
PG*	III
EmS	F-E, S-E
MP**	NO
Hazardous constituent	-

IATA/ICAO

UN-no.	1993
Proper Shipping Name	Flammable Liquid N.O.S. (naphta(Petroleum), hydrosulfurized heavy)
Class	3
PG*	III

14.5. Environmental hazards

-

14.6. Special precautions for user

-

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

No data available

(*) Packing group

(**) Marine pollutant

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 cf. Council Directive 94/33/EC of 22 June 1994 on the protection of young people at work.

Demands for specific education

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Additional information

Tactile warning. If this product is sold in retail, it must be delivered with child-resistant fastening.

Seveso

Seveso III Part 1: P5c

Sources

Council Directive 94/33/EC of 22 June 1994 on the protection of young people at work.
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, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006 (CLP).

EC regulation 1907/2006 (REACH).

The Control of Major Accident Hazards (COMAH) Regulations 2015.

15.2. Chemical safety assessment

No

SECTION 16: Other information

▼ Full text of H-phrases as mentioned in section 3

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.

EUH066 - Repeated exposure may cause skin dryness or cracking.

The full text of identified uses as mentioned in section 1

PC24 = Lubricants, Greases and Release Products

PROC 9 = Transfer of substance or preparation into small containers (dedicated filling line, including weighing)

SU 10 = Formulation [mixing] of preparations and/or re-packaging (excluding alloys)

SU 22 = Professional uses: Public domain (administration, education, entertainment, services, craftsmen)

ERC2 = Formulation of preparations

AC7 = Metal articles

Additional label elements

Not applicable

Other

In accordance with Regulation (EC) No. 1272/2008 (CLP) the evaluation of the classification of the mixture is based on:

The classification of the mixture in regard of physical hazards has been based on experimental data.

The classification of the mixture in regard of health hazards are in accordance with the calculation methods given by Regulation (EC) No. 1272/2008 (CLP)

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.

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.

A change (in proportion to the last essential change (first cipher in SDS version, see section 1)) is marked with a blue triangle.

The safety data sheet is validated by

KAO

Date of last essential change

(First cipher in SDS version)

2016-05-10(2.0)

Date of last minor change

(Last cipher in SDS version)

2016-05-10