

Safety Data Sheet

according to regulation (EC) No.1907/2006 (REACH)

Print date: 03.05.2021

Revision date: 29.07.2020

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ÄRONIX Isolator „tropenfest“ Batterie und Säureschutzfett (protective grease for acids and batteries)

1. Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Trade name/designation:

**ÄRONIX Isolator “tropenfest” Batterie- und Säureschutzfett
(protective grease for acids and batteries)**

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

Use of the substance/mixture:

Lubricant

Uses advised against:

Sector of uses [SU]

SU 21: Consumer uses: Private households (= general public = consumers)

1.3. Details of the supplier of the safety data sheet

Supplier (manufacturer/importer/only representative/downstream user/distributor):

ÄRONIX-Produkte

Albert-Einstein-Str. 5, 69190 Walldorf

Telefon 0049 6227-35 98 40

Telefax 0049 6227-35 98 41

spezialschmierstoffe@aeronix.de

1.4. Emergency telephone number

Tel.: -----

Notrufnummer der Gesellschaft:

Tel.: 08:00h – 17:00h 0049 6227/35 98 40

2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 [CLP]:

Hazard classes and hazard categories	Hazard statements	Classification procedure
Hazardous to the aquatic environment (Aquatic Chronic 2)	H411: Toxic to aquatic life with long lasting effects.	

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms:



GHS09

Environment

Hazard components for labelling:

(Z)-N-9-octadecenylpropane-1,3-diamine

hazard statements for environmental hazards	
H411	Toxic to aquatic life with long lasting effects

Supplemental Hazard information (EU): -

Precautionary statements Prevention	
P273	Avoid release to the environment

Precautionary statements Response	
P391	Collect spillage

Precautionary statements Disposal	
P501	Dispose of contents/container to Dispose of this material and its container to hazardous or special waste collection point

Special rules for supplemental label elements for certain mixtures:

3,0 % percent of the mixture consists of ingredient(s) of unknown acute toxicity (dermal)

2.3. Other hazards

No data available

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3. Composition / information on ingredients

3.1. Mixtures

Description:

Mixture of u.s. substances and non-dangerous substances

Hazardous ingredients / Hazardous impurities / Stabilisers:

product identifiers	Substance name Classification according to Regulation (EC) No 1272/2008 [CLP]	Concentration
CAS No.: 1308-38-9 EC No.: 215-160-9 REACH No.: 01-2119433951-39	chromium (III) oxide	1 – 3 Wt %
CAS No.: 7173-62-8 EC No.: 230-528-9	(Z)-N-9-octadecenylpropane-1,3-diamine Eye Dam. 1, Skin Irrit. 2, Aquatic Acute 1, Aquatic Chronic 1  Danger H315-H318-H400-H410 M-factor: 10	0 – 1 Wt %

Full text of H- and EUH-phrases: see section 16.

4: First aid measures

4.1. Description of first aid measures

General information:

In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible). Remove contaminated, saturated clothing.

Following inhalation:

No special measures are necessary.

In case of skin contact:

Gently wash with plenty of soap and water.

After eye contact:

In case of contact with eyes flush immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart and consult an ophthalmologist.

After ingestion:

Rinse mouth. Do NOT induce vomiting.

Get immediate medical advice/attention.

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

No data available

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

Treat symptomatically.

5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media:

Foam

Dry extinguishing powder

Carbon dioxide (CO₂)

Unsuitable extinguishing media:

High power water jet

5.2. Special hazards arising from the substance or mixture

Hazardous combustion products:

Carbon monoxide

Carbon dioxide (CO₂)

Phosphorus oxides

Sulphur dioxide (SO₂)

Nitrogen oxides (NO_x)

5.3. Advice for firefighters

In case of fire: Wear self-contained breathing apparatus.

5.4. Additional information

Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Personal precautions:

Remove persons to safety.

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Special danger of slipping by leaking/spilling product.

Avoid contact with eyes and skin.

6.1.2. For emergency responders

Personal protection equipment:

Personal protection equipment: see section 8

6.2. Environmental precautions

Do not allow to enter into surface water or drains.

6.3. Methods and material for containment and cleaning up

For containment:

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

For cleaning up:

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

6.4. Reference to other sections

Safe handling: see section 7 Personal protection equipment: see section 8 Disposal: see section 13

6.5. Additional information

Use appropriate container to avoid environmental contamination.

7: First aid measures Handling and storage

7.1. Precautions for safe handling

Protective measures

Advices on safe handling:

Wear personal protection equipment (refer to section 8).

Fire prevent measures:

Measures to prevent aerosol and dust generation:

Provide adequate ventilation as well as local exhaustion at critical locations.

Advices on general occupational hygiene

When using do not eat, drink or smoke. Avoid contact with eyes and skin.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures and storage conditions:

Keep container tightly closed in a cool, well-ventilated place.

Requirements for storage rooms and vessels:

Keep/Store only in original container.

7.3. Specific end use(s)

Recommendation:

Observe technical data sheet.

8: Exposure controls/personal protection

8.1. Control parameters

8.1.1. Occupational exposure limit values

Limit value type (country of origin)	Substance name	① long-term occupational exposure limit value ② short-term occupational exposure limit value ③ Instantaneous value ④ Monitoring and observation processes ⑤ Remark
TRGS 900 (DE)	chromium (III) oxide CAS No.: 1308-38-9	① 2 mg/m ³ ② 2 mg/m ³ ⑤ (einatembare Fraktion)
IOELV (EU)	chromium (III) oxide CAS No.: 1308-38-9	① 2 mg/m ³ ⑤ (Chromium, anorg. CrII and CrIII compounds, insoluble)

8.1.2. biological limit values

No data available

8.1.3. DNEL-/PNEC-values

No data available

8.2. Exposure controls

8.2.1. Appropriate engineering controls

No data available

8.2.2. Personal protection equipment

Eye/face protection:

Eye glasses with side protection DIN EN 166

Skin protection:

Tested protective gloves must be worn DIN EN 374 Suitable material: NBR (Nitrile rubber) Breakthrough time (maximum wearing time) min In the case of wanting to use the gloves again, clean them before taking off and air them well. Breakthrough times and swelling properties of the material must be taken into consideration.

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Respiratory protection:

If technical exhaust or ventilation measures are not possible or insufficient, respiratory protection must be worn.

Other protection measures:

Wear anti-static footwear and clothing

8.2.3. Environmental exposure controls

No data available

8.3. Additional information

No data available

9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance

Physical state: liquid

Colour: green

Odour: characteristic

Safety relevant basis data

parameter		at °C	method	Remark
pH	not determined			
Melting point/freezing point	not determined			
Freezing point	not determined			
Initial boiling point and boilingrange	≈ 200 °C			
Decomposition temperature (°C)	not determined			
Flash point	> 100 °C			
Evaporation rate	not determined			
Ignition temperature in °C	not determined			
Upper/lower flammability or explosive limits	not determined			
Vapour pressure	not determined			
Vapour density	not determined			
Density	not determined			
Bulk density	not determined			
Water solubility (g/L)	not determined			
Partition coefficient: n-octanol/water	not determined			
Dynamic viscosity	not determined			
Kinematic viscosity	not determined			

9.2. Other information

No data available

10: Stability and reactivity

10.1. Reactivity

There are no data available on the preparation/mixture itself.

10.2. Chemical stability

The substance is chemically stable under recommended conditions of storage, use and temperature.

10.3. Possibility of hazardous reactions

No hazardous reaction when handled and stored according to provisions.

10.4. Conditions to avoid

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

10.5. Incompatible materials

Oxidising agent, strong

10.6. Hazardous decomposition products

No known hazardous decomposition products.

11: Toxicological information

11.1. Information on toxicological effects

CAS No.	Substance name	Toxicological information
1308-38-9	chromium (III) oxide	LD50 oral: >5,000 mg/kg (Rat) LC50 inhalative: >5.41 mg/l 4 h (Rat)

Acute oral toxicity:

There are no data available on the preparation/mixture itself.

Acute dermal toxicity:

There are no data available on the preparation/mixture itself.

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Acute inhalation toxicity:

There are no data available on the preparation/mixture itself.

Respiratory or skin sensitisation:

not sensitising.

Additional information:

No data available

12: Ecological information

12.1. Toxicity

CAS No	Substance name	Toxicological information
1308-38-9	chromium (III) oxide	LC50: >10,000 mg/l 4 d (Brachydanio rerio (zebra-fish))
7173-62-8	(Z)-N-9-octadecenylpropane-1,3-diamine	LC50: 0.01 – 0.1 mg/l (Daphnia magna (Big water flea))

Aquatic toxicity:

Toxic to aquatic life with long lasting effects.

Sediment toxicity:

There are no data available on the preparation/mixture itself.

Terrestrial toxicity:

There are no data available on the preparation/mixture itself.

12.2. Persistence and degradability

No data available

12.3. Bioaccumulative potential

No data available

12.4. Mobility in soil

No data available

12.5. Results of PBT and vPvB assessment

CAS No	Substance name	Results of PBT and vPvB assessment
1308-38-9	chromium (III) oxide	—
7173-62-8	(Z)-N-9-octadecenylpropane-1,3-diamine	—

12.6. Other adverse effects

No data available

13: Disposal considerations

13.1. Waste treatment methods

Consult the appropriate local waste disposal expert about waste disposal.

Waste treatment options

Appropriate disposal / Product:

Dispose of waste according to applicable legislation. Consult the appropriate local waste disposal expert about waste disposal.

Appropriate disposal / Package:

Completely emptied packages can be recycled.

13.2. Additional information

No data available

14: Transport information

No dangerous good in sense of these transport regulations.

14.1. UN-No.

not relevant

14.2. UN proper shipping name

not relevant

14.3. Transport hazard class(es)

not relevant

14.4. Packing group

not relevant

14.5. Environmental hazards

not relevant

14.6. Special precautions for user

not relevant

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

not relevant

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15: Regulatory information

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

15.1.1. EU legislation

No data available

15.1.2. National regulations

[DE] National regulations

Restrictions of occupation

22 JArbSchG.

Water hazard class (WGK)

WGK:

1 - slightly hazardous for water

15.2. Chemical Safety Assessment

No data available

15.3. Additional information

No data available

16: Other information

16.1. Indication of changes

No data available

16.2. Abbreviations and acronyms

No data available

16.3. Key literature references and sources for data

Data arise from reference works and literature.

16.4. Classification for mixtures and used evaluation method according to regulation (EC) No 1272/2008 [CLP]

Classification according to Regulation (EC) No 1272/2008 [CLP]:

Hazard classes and hazard	categories	Hazard statements Classification procedure
Hazardous to the aquatic environment (Aquatic Chronic 2)	H411	Toxic to aquatic life with long lasting effects.

16.5. Relevant R-, H- and EUH-phrases (Number and full text)

Hazard statements	
H315	Causes skin irritation.
H318	Causes serious eye damage.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.

16.6. Training advice

No data available

16.7. Additional information

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new madeup material.