Safety Data Sheet
Extreme wheel cleaner

Safety Data Sheet dated 14/9/2021, version 7

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

1.1. Product identifier

Mixture identification:

Trade name: Extreme wheel cleaner

Trade code: 31022

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

Recommended use:

Rim detergent

1.3. Details of the supplier of the safety data sheet

Supplier:

Arexons S.p.A.

via Antica di Cassano, 23, 20063

Cernusco sul Naviglio (MI), Italy

Arexons S.p.A.

Tel. +39 (0)2/924361 - Fax +39 (0)2/92436306

Competent person responsible for the safety data sheet:

arexons@arexons.it

1.4. Emergency telephone number

Arexons S.p.A.

Tel. +39 (0)2/924361 - Fax +39 (0)2/92436306

In England and Wales: NHS 111 - dial 111

In Scotland: NHS 24 - dial 111

In Ireland: Beaumont Hospital - National Poisons Information Centre 01 809 2166 (7days, 8:00 - 22:00)

In South Africa: Poison Information Helpline 0861 555 777

In Malta: emergency number 112

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

EC regulation criteria 1272/2008 (CLP):

Warning, Acute Tox. 4, Harmful if swallowed.

Warning, Eye Irrit. 2, Causes serious eye irritation.

Warning, Skin Sens. 1, May cause an allergic skin reaction.

Adverse physicochemical, human health and environmental effects:

No other hazards

2.2. Label elements

Hazard pictograms:

Warning

Hazard statements:

H302 Harmful if swallowed.

H319 Causes serious eye irritation.

H317 May cause an allergic skin reaction.

Precautionary statements:

P101 If medical advice is needed, have product container or label at hand.

P102 Keep out of reach of children.

P103 Read carefully and follow all instructions.

P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
P280 Wear protective gloves/protective clothing/eye protection/face protection/hearing protection/...
P301+P312 IF SWALLOWED: Call a POISON CENTER if you feel unwell.
P333+P313 If skin irritation or rash occurs: Get medical advice/attention.
P501 Dispose of contents/container in accordance with applicable regulations.

Special Provisions:

PACK2 The packing must have tactive indications of danger for blind people.
EUH208 Contains 1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one. May produce an allergic reaction.

Contains

Sodium thioglycolate
(3R)-3-ethoxy-2-methylnonane

Special provisions according to Annex XVII of REACH and subsequent amendments:

None

Regulation (EC) nr 648/2004 (detergents).
Product contents:

Non-ionic surfactants	< 5 %
Preservatives:	LAURYLAMINE DIPROPYLENEDIAMINE, Pyridine-2-thiol 1-oxide, sodium salt., 1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one

2.3. Other hazards

No PBT, vPvB or endocrine disruptor substances present in concentration >= 0.1%

Other Hazards:

No other hazards

SECTION 3: Composition/information on ingredients

3.1. Substances

N.A.

3.2. Mixtures

Hazardous components within the meaning of the CLP regulation and related classification:

>= 10% - < 12.5% Sodium thioglycolate

CAS: 367-51-1, EC: 206-696-4
2.16/1 Met. Corr. 1 H290
3.1/3/Oral Acute Tox. 3 H301
3.1/4/Dermal Acute Tox. 4 H312
3.4.2/1 Skin Sens. 1 H317

>= 2% - < 3% (3R)-3-ethoxy-2-methylnonane

CAS: 78330-20-8
3.1/4/Oral Acute Tox. 4 H302
3.3/1 Eye Dam. 1 H318

>= 0.005% - < 0.01% 1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one

Index number: 613-088-00-6, CAS: 2634-33-5, EC: 220-120-9
3.1/4/Oral Acute Tox. 4 H302
3.2/2 Skin Irrit. 2 H315
3.3/1 Eye Dam. 1 H318
3.4.2/1 Skin Sens. 1 H317
4.1/A1 Aquatic Acute 1 H400
4.1/C2 Aquatic Chronic 2 H411

Specific Concentration Limits:
C >= 0,005%: EUH208

C >= 0,05%: Skin Sens. 1 H317

Acute Toxicity Estimate:

>= 0.001% - < 0.005% Pyridine-2-thiol 1-oxide, sodium salt.
CAS: 3811-73-2, EC: 223-296-5
- 3.1/4/Oral Acute Tox. 4 H302
- 3.1/4/Dermal Acute Tox. 4 H312
- 3.1/4/Inhal Acute Tox. 4 H332
- 3.2/2 Skin Irrit. 2 H315
- 3.3/2 Eye Irrit. 2 H319
- 4.1/A1 Aquatic Acute 1 H400 M=100.
- 4.1/C1 Aquatic Chronic 1 H410 M=10.

SECTION 4: First aid measures

4.1. Description of first aid measures

In case of skin contact:

Immediately take off all contaminated clothing.
Areas of the body that have - or are only even suspected of having - come into contact with the product must be rinsed immediately with plenty of running water and possibly with soap.
Wash thoroughly the body (shower or bath).
Remove contaminated clothing immediately and dispose off safely.
After contact with skin, wash immediately with soap and plenty of water.

In case of eyes contact:

After contact with the eyes, rinse with water with the eyelids open for a sufficient length of time, then consult an opthalmologist immediately.
Protect uninjured eye.

In case of Ingestion:

Give nothing to eat or drink.

In case of Inhalation:

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

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

None

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

In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).
Treatment:
None

SECTION 5: Firefighting measures

5.1. Extinguishing media

Appropriate Extinguishing Media:
To carbon dioxide.
To dust.
Foam
Water spray.
Not Recommended Extinguishing Media:
Do not use direct water jets.

5.2. Special hazards arising from the substance or mixture

Do not inhale explosion and combustion gases.
Burning produces heavy smoke.

5.3. Advice for firefighters
Use suitable breathing apparatus .
Collect contaminated fire extinguishing water separately. This must not be discharged into drains.
Move undamaged containers from immediate hazard area if it can be done safely.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures
Wear personal protection equipment.
Remove persons to safety.
See protective measures under point 7 and 8.
6.2. Environmental precautions
Do not allow to enter into soil/subsoil. Do not allow to enter into surface water or drains.
Retain contaminated washing water and dispose it.
In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities.
Suitable material for taking up: absorbing material, organic, sand
6.3. Methods and material for containment and cleaning up
Wash with plenty of water.
6.4. Reference to other sections
See also section 8 and 13

SECTION 7: Handling and storage

7.1. Precautions for safe handling
Avoid contact with skin and eyes, inhalation of vapours and mists.
Don't use empty container before they have been cleaned.
Before making transfer operations, assure that there aren't any incompatible material residuals in the containers.
See also section 8 for recommended protective equipment.
Advice on general occupational hygiene:
Contamined clothing should be changed before entering eating areas.
Do not eat or drink while working.
7.2. Conditions for safe storage, including any incompatibilities
Keep away from food, drink and feed.
None in particular.
Instructions as regards storage premises:
Adequately ventilated premises.
7.3. Specific end use(s)
None in particular

SECTION 8: Exposure controls/personal protection

8.1. Control parameters
No occupational exposure limit available
DNEL Exposure Limit Values
Sodium thioglycolate - CAS: 367-51-1
Worker Professional: 1.41 mg/m3 - Consumer: 0.348 mg/m3 - Exposure: Human Inhalation - Frequency: Long Term, systemic effects
Worker Professional: 2.06 mg/kg - Exposure: Human Dermal - Frequency: Long Term, systemic effects
Worker Professional: 0.004 03 - Consumer: 0.004 03 - Exposure: Human Dermal - Frequency: Long Term, local effects
Consumer: 0.002 mg/kg - Exposure: Human Oral - Frequency: Long Term, systemic effects
PNEC Exposure Limit Values
Sodium thioglycolate - CAS: 367-51-1
Target: Marine water - Value: 3.8 03

Target: Fresh Water - Value: 38 03
Target: 09 - Value: 3.2 mg/l

8.2. Exposure controls

Eye protection:
Eye glasses with side protection.
Compliant with EN 166

Protection for skin:
protective clothing

Protection for hands:
Nitrile or Viton gloves.
Compliant with EN 374.

Respiratory protection:
Not needed for normal use.

Thermal Hazards:
None

Environmental exposure controls:
None

Appropriate engineering controls:
None

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Properties	Value	Method:	Notes:
Physical state:	Liquid	--	--
Colour:	colourless	--	--
Odour:	solforato	--	--
Melting point/freezing point:	N.A.	--	--
Boiling point or initial boiling point and boiling range:	N.A.	--	--
Flammability:	N.A.	--	--
Lower and upper explosion limit:	N.A.	--	--
Flash point:	N.A.	--	--
Auto-ignition temperature:	N.A.	--	--
Decomposition temperature:	N.A.	--	--
pH:	7	--	--
Kinematic viscosity:	> 20,5 mm2/ sec (40 °C)	--	--
Solubility in water:	N.A.	--	--
Solubility in oil:	N.A.	--	--

Partition coefficient n-octanol/water (log value):	N.A.	--	--
Vapour pressure:	N.A.	--	--
Density and/or relative density:	1.065 g/cm3	--	--
Relative vapour density:	N.A.	--	--
Particle characteristics:			
Particle size:	N.A.	--	--
9.2. Other information No other relevant information Viscosity:	 400 cP	 11	 --

SECTION 10: Stability and reactivity

10.1. Reactivity
Stable under normal conditions
10.2. Chemical stability
Stable under normal conditions
10.3. Possibility of hazardous reactions
None
10.4. Conditions to avoid
Stable under normal conditions.
10.5. Incompatible materials
None in particular.
10.6. Hazardous decomposition products
None.

SECTION 11: Toxicological information

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008
Toxicological information of the product:
Extreme wheel cleaner ml 500
a) acute toxicity
The product is classified: Acute Tox. 4 H302
b) skin corrosion/irritation
Not classified
Based on available data, the classification criteria are not met
c) serious eye damage/irritation
The product is classified: Eye Irrit. 2 H319
d) respiratory or skin sensitisation
The product is classified: Skin Sens. 1 H317
e) germ cell mutagenicity
Not classified
Based on available data, the classification criteria are not met
f) carcinogenicity
Not classified
Based on available data, the classification criteria are not met
g) reproductive toxicity
Not classified

Based on available data, the classification criteria are not met
h) STOT-single exposure
Not classified
Based on available data, the classification criteria are not met
i) STOT-repeated exposure
Not classified
Based on available data, the classification criteria are not met
j) aspiration hazard
Not classified
Based on available data, the classification criteria are not met
Toxicological information of the main substances found in the product:
Sodium thioglycolate - CAS: 367-51-1
a) acute toxicity:
Test: LD50 - Route: Oral - Species: Rat 200-500 mg/kg
Test: LD50 - Route: Skin - Species: Rat 1000 mg/kg
Test: LC50 - Route: Inhalation - Species: Rat > 2729 mg/l - Duration: 4h
(3R)-3-ethoxy-2-methylnonane - CAS: 78330-20-8
a) acute toxicity:
Test: LD50 - Route: Oral - Species: Rat 300-2000 mg/kg - Source: CESIO
b) skin corrosion/irritation:
Test: Skin Irritant - Route: Skin - Species: Rabbit Negative - Duration: 4h - Source: CESIO
c) serious eye damage/irritation:
Test: Eye Irritant - Route: EYE - Species: Rabbit Positive - Source: CESIO
d) respiratory or skin sensitisation:
Test: Skin Sensitization - Route: Skin Negative - Source: CESIO
1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one - CAS: 2634-33-5
a) acute toxicity:
Test: LD50 - Route: Oral - Species: Rat 1193 mg/kg
Test: LD50 - Route: Skin - Species: Rat 4115 mg/kg
b) skin corrosion/irritation:
Test: Skin Irritant Positive
c) serious eye damage/irritation:
Test: Eye Corrosive Positive
d) respiratory or skin sensitisation:
Test: Skin Sensitization - Route: Skin Positive
Pyridine-2-thiol 1-oxide, sodium salt. - CAS: 3811-73-2
a) acute toxicity:
Test: LD50 - Route: Oral - Species: Rat 1.208
Test: LC50 - Route: Inhalation - Species: Rat 1.08
Test: LD50 - Route: Skin - Species: Rabbit 1.800
c) serious eye damage/irritation:
Test: Eye Irritant Positive

11.2. Information on other hazards
Endocrine disrupting properties:
No endocrine disruptor substances present in concentration >= 0.1%

SECTION 12: Ecological information

12.1. Toxicity
Adopt good working practices, so that the product is not released into the environment.
Sodium thioglycolate - CAS: 367-51-1
a) Aquatic acute toxicity:
Endpoint: LC50 - Species: Fish > 100 mg/l - Duration h: 96
Endpoint: EC50 - Species: Daphnia 38 mg/l - Duration h: 48
Endpoint: EC50 - Species: Algae > 100 mg/kg - Duration h: 72
(3R)-3-ethoxy-2-methylnonane - CAS: 78330-20-8

a) Aquatic acute toxicity:
Endpoint: LC50 - Species: Fish > 100 mg/l - Duration h: 96 - Notes: CESIO
Endpoint: EC50 - Species: Daphnia > 100 mg/l - Duration h: 48 - Notes: CESIO
Endpoint: EC50 - Species: Algae > 100 mg/l - Duration h: 72 - Notes: CESIO
1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one - CAS: 2634-33-5
a) Aquatic acute toxicity:
Endpoint: LC50 - Species: Fish 2.18 mg/l - Duration h: 96
Endpoint: EC50 - Species: Daphnia 2.94 mg/l - Duration h: 48
Endpoint: CE6 - Species: Algae 0.11 mg/l - Duration h: 72
Pyridine-2-thiol 1-oxide, sodium salt. - CAS: 3811-73-2
a) Aquatic acute toxicity:
Endpoint: LC50 - Species: Fish 0.0066 mg/l - Duration h: 96
Endpoint: EC50 - Species: Daphnia 0.022 mg/l - Duration h: 48
Endpoint: EC50 - Species: Algae 0.46 mg/l

12.2. Persistence and degradability
None
Sodium thioglycolate - CAS: 367-51-1
Biodegradability: Persistent and Biodegradable - Test: BIOGDG06 - %: 60
(3R)-3-ethoxy-2-methylnonane - CAS: 78330-20-8
Biodegradability: Readily biodegradable - Test: BIOGDG10 - Duration: 28gg - %: 70
1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one - CAS: 2634-33-5
Biodegradability: Readily biodegradable - Test: BIOGDG06
Pyridine-2-thiol 1-oxide, sodium salt. - CAS: 3811-73-2
Biodegradability: Readily biodegradable

12.3. Bioaccumulative potential
Pyridine-2-thiol 1-oxide, sodium salt. - CAS: 3811-73-2
Test: log Pow -3.8

12.4. Mobility in soil
N.A.

12.5. Results of PBT and vPvB assessment
vPvB Substances: None - PBT Substances: None

12.6. Endocrine disrupting properties
No endocrine disruptor substances present in concentration >= 0.1%

12.7. Other adverse effects
None

SECTION 13: Disposal considerations

13.1. Waste treatment methods
Recover if possible. In so doing, comply with the local and national regulations currently in force.

SECTION 14: Transport information

14.1. UN number or ID number

Not classified as dangerous in the meaning of transport regulations.

14.2. UN proper shipping name
N.A.

14.3. Transport hazard class(es)
N.A.

14.4. Packing group
N.A.

14.5. Environmental hazards
ADR-Enviromental Pollutant: No

IMDG-Marine pollutant: No

14.6. Special precautions for user

N.A.

14.7. Maritime transport in bulk according to IMO instruments

No

SECTION 15: Regulatory information

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

Dir. 98/24/EC (Risks related to chemical agents at work)
Dir. 2000/39/EC (Occupational exposure limit values)
Regulation (EC) n. 1907/2006 (REACH)
Regulation (EC) n. 1272/2008 (CLP)
Regulation (EC) n. 790/2009 (ATP 1 CLP) and (EU) n. 758/2013
Regulation (EU) n. 2020/878
Regulation (EU) n. 286/2011 (ATP 2 CLP)
Regulation (EU) n. 618/2012 (ATP 3 CLP)
Regulation (EU) n. 487/2013 (ATP 4 CLP)
Regulation (EU) n. 944/2013 (ATP 5 CLP)
Regulation (EU) n. 605/2014 (ATP 6 CLP)
Regulation (EU) n. 2015/1221 (ATP 7 CLP)
Regulation (EU) n. 2016/918 (ATP 8 CLP)
Regulation (EU) n. 2016/1179 (ATP 9 CLP)
Regulation (EU) n. 2017/776 (ATP 10 CLP)
Regulation (EU) n. 2018/669 (ATP 11 CLP)
Regulation (EU) n. 2018/1480 (ATP 13 CLP)
Regulation (EU) n. 2019/521 (ATP 12 CLP)

Restrictions related to the product or the substances contained according to Annex XVII Regulation (EC) 1907/2006 (REACH) and subsequent modifications:

Restrictions related to the product:

Restriction 3

Restrictions related to the substances contained:

No restriction.

Volatile Organic compounds - VOCs = 0.00 %
Volatile Organic compounds - VOCs = 0.00 g/Kg
Volatile Organic compounds - VOCs = 0.00 g/l

Where applicable, refer to the following regulatory provisions :

Directive 2012/18/EU (Seveso III)
Regulation (EC) nr 648/2004 (detergents).
Dir. 2004/42/EC (VOC directive)

Provisions related to directive EU 2012/18 (Seveso III):

Seveso III category according to Annex 1, part 1

None

15.2. Chemical safety assessment

No Chemical Safety Assessment has been carried out for the mixture.

Substances for which a Chemical Safety Assessment has been carried out:

None

SECTION 16: Other information

Text of phrases referred to under heading 3:

H290 May be corrosive to metals.
H301 Toxic if swallowed.
H312 Harmful in contact with skin.

H317 May cause an allergic skin reaction.
H302 Harmful if swallowed.
H318 Causes serious eye damage.
H315 Causes skin irritation.
H400 Very toxic to aquatic life.
H411 Toxic to aquatic life with long lasting effects.
EUH208 Contains (name of sensitising substance). May produce an allergic reaction.
H332 Harmful if inhaled.
H319 Causes serious eye irritation.
H410 Very toxic to aquatic life with long lasting effects.

Hazard class and hazard category	Code	Description
Met. Corr. 1	2.16/1	Substance or mixture corrosive to metals, Category 1
Acute Tox. 3	3.1/3/Oral	Acute toxicity (oral), Category 3
Acute Tox. 4	3.1/4/Dermal	Acute toxicity (dermal), Category 4
Acute Tox. 4	3.1/4/Inhal	Acute toxicity (inhalation), Category 4
Acute Tox. 4	3.1/4/Oral	Acute toxicity (oral), Category 4
Skin Irrit. 2	3.2/2	Skin irritation, Category 2
Eye Dam. 1	3.3/1	Serious eye damage, Category 1
Eye Irrit. 2	3.3/2	Eye irritation, Category 2
Skin Sens. 1	3.4.2/1	Skin Sensitisation, Category 1
Aquatic Acute 1	4.1/A1	Acute aquatic hazard, category 1
Aquatic Chronic 1	4.1/C1	Chronic (long term) aquatic hazard, category 1
Aquatic Chronic 2	4.1/C2	Chronic (long term) aquatic hazard, category 2

Paragraphs modified from the previous revision:

SECTION 9: Physical and chemical properties

Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]:

Classification according to Regulation (EC) Nr. 1272/2008	Classification procedure
Acute Tox. 4, H302	Calculation method
Eye Irrit. 2, H319	Calculation method
Skin Sens. 1, H317	Calculation method

This document was prepared by a competent person who has received appropriate training.
Main bibliographic sources:

ECDIN - Environmental Chemicals Data and Information Network - Joint Research Centre, Commission of the European Communities

SAX's DANGEROUS PROPERTIES OF INDUSTRIAL MATERIALS - Eight Edition - Van Nostrand Reinold

The information contained herein is based on our state of knowledge at the above-specified date. It refers solely to the product indicated and constitutes no guarantee of particular quality.
It is the duty of the user to ensure that this information is appropriate and complete with respect to the specific use intended.
This MSDS cancels and replaces any preceding release.

ADR:	European Agreement concerning the International Carriage of Dangerous Goods by Road.
ATE:	Acute Toxicity Estimate
ATEmix:	Acute toxicity Estimate (Mixtures)
CAS:	Chemical Abstracts Service (division of the American Chemical Society).
CLP:	Classification, Labeling, Packaging.
DNEL:	Derived No Effect Level.
EINECS:	European Inventory of Existing Commercial Chemical Substances.
GefStoffVO:	Ordinance on Hazardous Substances, Germany.
GHS:	Globally Harmonized System of Classification and Labeling of Chemicals.
IATA:	International Air Transport Association.
IATA-DGR:	Dangerous Goods Regulation by the "International Air Transport Association" (IATA).
ICAO:	International Civil Aviation Organization.
ICAO-TI:	Technical Instructions by the "International Civil Aviation Organization" (ICAO).
IMDG:	International Maritime Code for Dangerous Goods.
INCI:	International Nomenclature of Cosmetic Ingredients.
KSt:	Explosion coefficient.
LC50:	Lethal concentration, for 50 percent of test population.
LD50:	Lethal dose, for 50 percent of test population.
NA:	Not applicable
PNEC:	Predicted No Effect Concentration.
RID:	Regulation Concerning the International Transport of Dangerous Goods by Rail.
STEL:	Short Term Exposure limit.
STOT:	Specific Target Organ Toxicity.
TLV:	Threshold Limiting Value.
TWA:	Time-weighted average
WGK:	German Water Hazard Class.