

Safety Data Sheet

according to Regulation (EC) No 1907/2006

Custom ICP-ICP/MS Standard (SCAQ0-077-300)

Revision: 06.06.2024

Product code: AC18.10118

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SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Regulation (EC) No 1272/2008

- Met. Corr. 1; H290
- Carc. 1A; H350
- Acute Tox. 4; H332
- Skin Corr. 1B; H314
- Eye Dam. 1; H318
- Skin Sens. 1; H317
- STOT RE 2; H373
- Aquatic Chronic 3; H412

Full text of hazard statements: see SECTION 16.

2.2. Label elements

Regulation (EC) No 1272/2008

Hazard components for labelling

- nitric acid 6 %
- beryllium nitrate
- nickel dinitrate
- "diarsenic pentaoxide; arsenic pentoxide; arsenic oxide"

Signal word: Danger

Pictograms:



Hazard statements

- H290 May be corrosive to metals.
- H314 Causes severe skin burns and eye damage.
- H317 May cause an allergic skin reaction.
- H332 Harmful if inhaled.
- H350 May cause cancer.
- H373 May cause damage to organs through prolonged or repeated exposure.
- H412 Harmful to aquatic life with long lasting effects.
- EUH071 Corrosive to the respiratory tract.

Precautionary statements

- P264 Wash hands and face thoroughly after handling.
- P260 Do not breathe dust/fume/gas/mist/vapours/spray.
- P280 Wear protective gloves/protective clothing and eye protection/face protection.
- P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.
- P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- P310 Immediately call a POISON CENTER/doctor.

Special labelling

Restricted to professional users.

2.3. Other hazards

No data available

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SECTION 3: Composition/information on ingredients
3.2. Mixtures
Chemical characterization

Mixtures in aqueous solution

Relevant ingredients

| CAS No | Chemical name | | | Quantity |
|------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|------------------|------------|
| | EC No | Index No | REACH No | |
| | Classification (Regulation (EC) No 1272/2008) | | | |
| 7697-37-2 | nitric acid | | | 5 - < 10 % |
| | 231-714-2 | 007-030-00-3 | 01-2119487297-23 | |
| | Ox. Liq. 3, Met. Corr. 1, Acute Tox. 3, Skin Corr. 1A, Eye Dam. 1; H272 H290 H331 H314 H318 EUH071 | | | |
| 13597-99-4 | beryllium nitrate | | | 1 - < 5 % |
| | 237-062-5 | 004-002-00-2 | | |
| | Carc. 1B, Acute Tox. 2, Acute Tox. 3, Skin Irrit. 2, Eye Irrit. 2, Skin Sens. 1, STOT SE 3, STOT RE 1, Aquatic Chronic 2; H350i H330 H301 H315 H319 H317 H335 H372 H411 | | | |
| 10099-74-8 | lead dinitrate | | | < 0.5 % |
| | 233-245-9 | 082-001-00-6 | | |
| | Ox. Sol. 2, Repr. 1A, Acute Tox. 4, Acute Tox. 4, Eye Dam. 1, STOT RE 2, Aquatic Acute 1, Aquatic Chronic 1; H272 H360Df H332 H302 H318 H373 H400 H410 | | | |
| 13138-45-9 | nickel dinitrate | | | < 1 % |
| | 236-068-5 | 028-012-00-1 | 01-2119492333-38 | |
| | Ox. Sol. 2, Carc. 1A, Muta. 2, Repr. 1B, Acute Tox. 4, Acute Tox. 4, Skin Irrit. 2, Eye Dam. 1, Resp. Sens. 1, Skin Sens. 1, STOT RE 1, Aquatic Acute 1, Aquatic Chronic 1; H272 H350i H341 H360D H332 H302 H315 H318 H334 H317 H372 H400 H410 | | | |
| 12044-50-7 | "diarsenic pentaoxide; arsenic pentoxide; arsenic oxide" | | | < 1 % |
| | | 033-004-00-6 | | |
| | Carc. 1A, Acute Tox. 2, Acute Tox. 3, Aquatic Acute 1, Aquatic Chronic 1; H350 H300 H331 H400 H410 | | | |

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

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Specific Conc. Limits, M-factors and ATE

| CAS No | EC No | Chemical name | Quantity |
|------------|-----------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|
| | | Specific Conc. Limits, M-factors and ATE | |
| 7697-37-2 | 231-714-2 | nitric acid | 5 - < 10 % |
| | | inhalation: ATE 2,65 mg/l (vapours) Ox. Liq. 3; H272: >= 65 - 100 Skin Corr. 1A; H314: >= 20 - 100 Skin Corr. 1B; H314: >= 5 - < 20 | |
| 13597-99-4 | 237-062-5 | beryllium nitrate | 1 - < 5 % |
| | | inhalation: ATE = 0,5 mg/l (vapours); inhalation: ATE = 0,05 mg/l (dusts or mists); oral: ATE = 100 mg/kg | |
| 10099-74-8 | 233-245-9 | lead dinitrate | < 0.5 % |
| | | inhalation: ATE = 11 mg/l (vapours); inhalation: ATE = 1,5 mg/l (dusts or mists); dermal: LD50 = > 2000 mg/kg; oral: LD50 = > 2000 mg/kg Repr. 2; H361f: >= 2,5 - 100 STOT RE 2; H373: >= 0,5 - 100 | |
| 13138-45-9 | 236-068-5 | nickel dinitrate | < 1 % |
| | | inhalation: ATE = 11 mg/l (vapours); inhalation: ATE = 1,5 mg/l (dusts or mists); oral: LD50 = 361,9 mg/kg Skin Irrit. 2; H315: >= 20 - 100 Skin Sens. 1; H317: >= 0,01 - 100 STOT RE 1; H372: >= 1 - 100 STOT RE 2; H373: >= 0,1 - < 1 Aquatic Acute 1; H400: M=1 Aquatic Chronic 1; H410: M=1 | |
| 12044-50-7 | | "diarsenic pentaoxide; arsenic pentoxide; arsenic oxide" | < 1 % |
| | | inhalation: ATE = 3 mg/l (vapours); inhalation: ATE = 0,5 mg/l (dusts or mists); oral: ATE = 5 mg/kg | |

Further Information

No data available

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

No data available

After inhalation

Provide fresh air.

Call a doctor if you feel unwell.

After contact with skin

Wash immediately with: Water

Take off immediately all contaminated clothing and wash it before reuse.

Call a physician immediately.

After contact with eyes

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.

Remove contact lenses, if present and easy to do. Continue rinsing.

Protect uninjured eye.

After ingestion

Rinse mouth immediately and drink plenty of water.

Do NOT induce vomiting. Do not allow a neutralisation agent to be drunk.

Call a physician immediately.

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

Irritant

Cough

Dyspnoea

Vomiting

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Methaemoglobinaemia
Risk of serious damage to eyes.

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

No data available

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Co-ordinate fire-fighting measures to the fire surroundings.

Unsuitable extinguishing media

no restriction

5.2. Special hazards arising from the substance or mixture

Non-combustible liquids
Hazardous combustion products
In case of fire may be liberated:
Nitrogen oxides (NO_x)

5.3. Advice for firefighters

In case of fire: Wear self-contained breathing apparatus.
In case of fire and/or explosion do not breathe fumes.
Avoid contact with skin, eyes and clothes.

Additional information

Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.
Move undamaged containers from immediate hazard area if it can be done safely.
Use water spray jet to protect personnel and to cool endangered containers.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General advice

Corrosive to metals.

For non-emergency personnel

Provide adequate ventilation.
Use personal protection equipment.
Avoid contact with skin, eyes and clothes.
Remove persons to safety.
Emergency procedures
Consult an expert
Do not breathe dust/fume/gas/mist/vapours/spray.

For emergency responders

Precautionary statements For emergency responders : 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

Cover drains.
Prevent spread over a wide area (e.g. by containment or oil barriers).
Collect in closed and suitable containers for disposal.
Absorb with liquid-binding material (sand, diatomaceous earth, acid- or universal binding agents).

For cleaning up

Clean contaminated articles and floor according to the environmental legislation.

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Other information

- Provide adequate ventilation.
- Do not breathe dust/fume/gas/mist/vapours/spray.
- Wear breathing apparatus if exposed to vapours/dusts/aerosols.

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

- Read label before use. Handle and open container with care.
- When using do not eat, drink, smoke, sniff. Use personal protection equipment.
- Provide adequate ventilation. Avoid contact with skin, eyes and clothes.
- Do not breathe vapour/aerosol. Use extractor hood (laboratory).

Advice on protection against fire and explosion

- Usual measures for fire prevention.

Advice on general occupational hygiene

- Keep away from food, drink and animal feedingstuffs. Remove contaminated, saturated clothing immediately.
- Draw up and observe skin protection programme. Wash hands and face before breaks and after work and take a shower if necessary. When using do not eat or drink. Avoid: aerosol or mist formation Do not breathe vapour/aerosol.

Further information on handling

- Draw up and observe skin protection programme.
- Wash hands and face before breaks and after work and take a shower if necessary.
- Take off immediately all contaminated clothing and wash it before reuse.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

- Corrosive to metals.
- Unsuitable container/equipment material: Metal
- The product develops hydrogen in an aqueous solution in contact with metals.

Hints on joint storage

- Take national regulations into account.

Further information on storage conditions

- Keep container tightly closed.
- Store in a place accessible by authorized persons only.

7.3. Specific end use(s)

- Laboratory chemicals

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Occupational exposure limits

| CAS No | Substance | ppm | mg/m ³ | fib/cm ³ | Category | Origin |
|-----------|-------------|-----|-------------------|---------------------|---------------|--------|
| 7697-37-2 | Nitric acid | 1 | 2.6 | | STEL (15 min) | |

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DNEL/DMEL values

| CAS No | Substance | | |
|--------------------------|------------------|----------|-----------------------|
| DNEL type | Exposure route | Effect | Value |
| 13138-45-9 | nickel dinitrate | | |
| Consumer DNEL, acute | oral | systemic | 0,012 mg/kg bw/day |
| Consumer DNEL, long-term | oral | systemic | 0,02 mg/kg bw/day |
| Worker DNEL, acute | inhalation | systemic | 104 mg/m ³ |
| Worker DNEL, acute | inhalation | local | 1,6 mg/m ³ |
| Consumer DNEL, acute | inhalation | systemic | 8,8 mg/m ³ |
| Consumer DNEL, acute | inhalation | local | 0,1 mg/m ³ |

PNEC values

| CAS No | Substance | |
|--------------------------------------------------|------------------|--|
| Environmental compartment | Value | |
| 10099-74-8 | lead dinitrate | |
| Freshwater | 0,0065 mg/l | |
| Marine water | 0,0034 mg/l | |
| Freshwater sediment | 174 mg/kg | |
| Marine sediment | 164 mg/kg | |
| Secondary poisoning | 10,9 mg/kg | |
| Micro-organisms in sewage treatment plants (STP) | 0,1 mg/l | |
| Soil | 147 mg/kg | |
| 13138-45-9 | nickel dinitrate | |
| Freshwater | 0,0071 mg/l | |
| Freshwater (intermittent releases) | 0 mg/l | |
| Marine water | 0,0086 mg/l | |
| Freshwater sediment | 109 mg/kg | |
| Marine sediment | 109 mg/kg | |
| Secondary poisoning | 0,12 mg/kg | |
| Micro-organisms in sewage treatment plants (STP) | 0,33 mg/l | |
| Soil | 29,9 mg/kg | |

8.2. Exposure controls

Appropriate engineering controls

Technical measures and the application of suitable work processes have priority over personal protection equipment.

If handled uncovered, arrangements with local exhaust ventilation have to be used.

Individual protection measures, such as personal protective equipment

Eye/face protection

goggles

Wear eye/face protection.

Hand protection

When handling with chemical substances, protective gloves must be worn with the CE-label including the four control digits. 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. For special purposes, it is

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recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.

Skin protection

Wear suitable protective clothing. Take off immediately all contaminated clothing.

Wash hands before breaks and after work.

The choice of body protection depends on the concentration and quantity of hazardous substances. The chemical resistance of protective agents must be clarified with their suppliers.

Respiratory protection

Respiratory protection necessary at: aerosol or mist formation

The entrepreneur has to ensure that maintenance, cleaning and testing of respiratory protective devices are carried out according to the instructions of the producer. These measures have to be properly documented.

Thermal hazards

No data available

Environmental exposure controls

Do not allow to enter into surface water or drains.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

| | | |
|-----------------------------------------------------------|-------------------|-------------------------|
| Physical state: | Liquid | |
| Colour: | clear | |
| Odour: | like: Nitric acid | |
| Odour threshold: | No data available | |
| Melting point/freezing point: | | No data available |
| Boiling point or initial boiling point and boiling range: | | No data available |
| Flammability: | | No data available |
| Lower explosion limits: | | No data available |
| Upper explosion limits: | | No data available |
| Flash point: | | No data available |
| Auto-ignition temperature: | | No data available |
| Decomposition temperature: | | No data available |
| pH-Value (at 20 °C): | | <2 |
| Viscosity / kinematic: | | No data available |
| Water solubility: | | completely miscible |
| Solubility in other solvents | | |
| No data available | | |
| Dissolution rate: | | No data available |
| Partition coefficient n-octanol/water: | | No data available |
| Dispersion stability: | | No data available |
| Vapour pressure: | | No data available |
| Vapour pressure: | | No data available |
| Density (at 22 °C): | | 1,089 g/cm ³ |
| Relative density: | | No data available |
| Bulk density: | | No data available |
| Relative vapour density: | | No data available |
| Particle characteristics: | | No data available |

9.2. Other information

Information with regard to physical hazard classes

Explosive properties

No data available

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| | |
|-------------------------------------|-------------------|
| Sustained combustibility: | No data available |
| Self-ignition temperature | |
| Solid: | No data available |
| Gas: | No data available |
| Oxidizing properties | |
| Oxidizing | |
| Other safety characteristics | |
| Evaporation rate: | No data available |
| Solvent separation test: | No data available |
| Solvent content: | 0 |
| Solid content: | 0 |
| Sublimation point: | No data available |
| Softening point: | No data available |
| Pour point: | No data available |
| No data available: | |
| Viscosity / dynamic: | No data available |
| Flow time: | No data available |
| Further Information | |
| Corrosive to metals. | |

SECTION 10: Stability and reactivity

10.1. Reactivity

Corrosive to metals.
Oxidising agent

10.2. Chemical stability

The product is stable under storage at normal ambient temperatures.

10.3. Possibility of hazardous reactions

Alkali (lye)
The product develops hydrogen in an aqueous solution in contact with metals.
Amines, Ammonia, Alcohols, Alkali metals, Hydrogen peroxide
Copper, Combustible solids, Solvent, Alkaline earth metal, mercury (Hg).

10.4. Conditions to avoid

No data available

10.5. Incompatible materials

Cellulose
Metal
The product develops hydrogen in an aqueous solution in contact with metals.

10.6. Hazardous decomposition products

In case of fire may be liberated:
SECTION 5: Firefighting measures

Further information

No data available

SECTION 11: Toxicological information

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Toxicokinetics, metabolism and distribution

There are no data available on the mixture itself.

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Acute toxicity

Harmful if inhaled.

ATEmix calculated

ATE (oral) > 5000 mg/kg; ATE (dermal) > 2000 mg/kg; ATE (inhalation vapour) 19,55 mg/l; ATE (inhalation dust/mist) 3,534 mg/l

| CAS No | Chemical name | | | | |
|------------|----------------------------------------------------------|-------------------|---------|------------------------------------------|--------------------|
| | Exposure route | Dose | Species | Source | Method |
| 7697-37-2 | nitric acid | | | | |
| | inhalation vapour | ATE 2,65 mg/l | | | |
| 13597-99-4 | beryllium nitrate | | | | |
| | oral | ATE 100 mg/kg | | | |
| | inhalation vapour | ATE 0,5 mg/l | | | |
| | inhalation dust/mist | ATE 0,05 mg/l | | | |
| 10099-74-8 | lead dinitrate | | | | |
| | oral | LD50 > 2000 mg/kg | Rat | Study report (2003) | OECD Guideline 423 |
| | dermal | LD50 > 2000 mg/kg | Rat | Study report (2003) | OECD Guideline 402 |
| | inhalation vapour | ATE 11 mg/l | | | |
| | inhalation dust/mist | ATE 1,5 mg/l | | | |
| 13138-45-9 | nickel dinitrate | | | | |
| | oral | LD50 361,9 mg/kg | Rat | Regul Toxicol and Pharmacol (doi.org/10. | OECD Guideline 425 |
| | inhalation vapour | ATE 11 mg/l | | | |
| | inhalation dust/mist | ATE 1,5 mg/l | | | |
| 12044-50-7 | "diarsenic pentaoxide; arsenic pentoxide; arsenic oxide" | | | | |
| | oral | ATE 5 mg/kg | | | |
| | inhalation vapour | ATE 3 mg/l | | | |
| | inhalation dust/mist | ATE 0,5 mg/l | | | |

Irritation and corrosivity

Skin corrosion/irritation: Causes severe skin burns and eye damage.

Serious eye damage/eye irritation: Causes serious eye damage.

Corrosive to the respiratory tract.

Following ingestion Gastric perforation

Irritating to respiratory system.

Pulmonary oedema

Mucous membrane irritation in the mouth, throat, esophagus and gastrointestinal tract.

see also Section 4

Sensitising effects

May cause an allergic skin reaction. (beryllium nitrate; nickel dinitrate)

Carcinogenic/mutagenic/toxic effects for reproduction

May cause cancer. (beryllium nitrate; nickel dinitrate; "diarsenic pentaoxide; arsenic pentoxide; arsenic oxide")

Germ cell mutagenicity: Based on available data, the classification criteria are not met.

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

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STOT-single exposure

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

STOT-repeated exposure

May cause damage to organs through prolonged or repeated exposure. (beryllium nitrate; nickel dinitrate)

Aspiration hazard

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

Information on likely routes of exposure

There are no data available on the mixture itself.

Specific effects in experiment on an animal

There are no data available on the mixture itself.

Additional information on tests

There are no data available on the mixture itself.

Practical experience

There are no data available on the mixture itself.

11.2. Information on other hazards

Endocrine disrupting properties

There are no data available on the mixture itself.

Other information

There are no data available on the mixture itself.

Further information

There are no data available on the mixture itself.

SECTION 12: Ecological information

12.1. Toxicity

Harmful to aquatic life with long lasting effects.

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| CAS No | Chemical name | | | | | |
|------------|--------------------------|--------------|-----------------|---------|----------------------------------------------------|------------------------------------------------------------------------------|
| | Aquatic toxicity | Dose | [h] [d] | Species | Source | Method |
| 7697-37-2 | nitric acid | | | | | |
| | Acute fish toxicity | LC50 mg/l | 1559 | 96 h | Topeka shiner | Environmental Toxicology and Chemistry, other: ASTM E729-26 |
| | Fish toxicity | NOEC | 268 mg/l | 30 d | juvenile Topeka shiner and with juvenile Fathead m | Study report (2009) Growth tests estimated the test chemical |
| | Algae toxicity | NOEC | > 419 mg/l | 10 d | several benthic diatoms; see results | Marine Biology 43:307-315 (1977) Ten cultures of benthic diatoms were iso |
| | Acute bacteria toxicity | EC50 | > 1000 mg/l () | 3 h | Activated sludge | Study report (2008) OECD Guideline 209 |
| 10099-74-8 | lead dinitrate | | | | | |
| | Acute fish toxicity | LC50 | 1,17 mg/l | 96 h | Oncorhynchus mykiss | Publication (1976) Acute bioassays |
| | Acute algae toxicity | ErC50 | 0,123 mg/l | 72 h | Pseudokirchneriella subcapitata | Study report (2008) OECD Guideline 201 |
| | Acute crustacea toxicity | EC50 | 0,59683 mg/l | 48 h | Ceriodaphnia dubia | Study report (2007) other: USEP |
| | Fish toxicity | NOEC | 0,087 mg/l | 62 d | Oncorhynchus mykiss | Publication (2008) methods adapted from the standard guide |
| | Crustacea toxicity | NOEC | 0,099 mg/l | 7 d | Ceriodaphnia dubia | Publication (1995) chronic toxicity testing of lead to aqua |
| 13138-45-9 | nickel dinitrate | | | | | |
| | Acute fish toxicity | LC50 | 15,3 mg/l | 96 h | Oncorhynchus mykiss | Aquatic Toxicology 63 (2003) 65-82 (2003) other: not reported |
| | Acute algae toxicity | ErC50 | 0,237 mg/l | 72 h | Ankistrodesmus falcatus | Publication (2009) OECD Guideline 201 |
| | Acute crustacea toxicity | EC50 | 0,2663 mg/l | 48 h | Ceriodaphnia dubia | Study report (2004) other: American society of testing and m |
| | Fish toxicity | NOEC | 0,057 mg/l | 32 d | Pimephales promelas | Water Resources Research Institute. Kent other: ASTM 1980, E-729 |
| | Algae toxicity | NOEC | 0,6 mg/l | 14 d | Anabaena cylindrica | Environ. Pollut. (Series A). 25(4):241-2 other: not reported |
| | Crustacea toxicity | NOEC | 0,04 mg/l | 42 d | Daphnia magna | Wat. Res. 24(7):845-852 (1990) Chronic exposure to sublethal concentrat |
| | Acute bacteria toxicity | EC50 | 33 mg/l () | 0,5 h | Activated sludge | Journal of Hazardous Materials. B139:332 ISO 8192 |

12.2. Persistence and degradability

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The methods for determining the biological degradability are not applicable to inorganic substances.

12.3. Bioaccumulative potential

There are no data available on the mixture itself.

BCF

| CAS No | Chemical name | BCF | Species | Source |
|------------|------------------|------|---------------------|----------------------|
| 10099-74-8 | lead dinitrate | 3250 | Hyalella azteca | Hydrobiologia 259: 7 |
| 13138-45-9 | nickel dinitrate | 23 | Spirodela polyrhiza | Ecotoxicology and en |

12.4. Mobility in soil

There are no data available on the mixture itself.

12.5. Results of PBT and vPvB assessment

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

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

- Discharge into the environment must be avoided.
- Harmful effect due to pH shift.
- Forms corrosive mixtures with water even if diluted.

Further information

Do not allow to enter into surface water or drains.

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

- Waste disposal according to directive 2008/98/EC, covering waste and dangerous waste.
- Send to a physico-chemical treatment facility under observation of official regulations.
- Do not empty into drains.

Contaminated packaging

- Handle contaminated packages in the same way as the substance itself.
- Waste codes/waste designations according to EWC/AVV

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

| | |
|------------------------------------------|-----------------------------------------------------------|
| 14.1. UN number or ID number: | UN 3264 |
| 14.2. UN proper shipping name: | CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S. (nitric acid) |
| 14.3. Transport hazard class(es): | 8 |
| 14.4. Packing group: | III |
| Hazard label: | 8 |
| Classification code: | C1 |
| Special Provisions: | 274 |
| Limited quantity: | 5 L |
| Excepted quantity: | E1 |
| Transport category: | 3 |
| Hazard No: | 80 |
| Tunnel restriction code: | E |

Inland waterways transport (ADN)

| | |
|---------------------------------------|-----------------------------------------------------------|
| 14.1. UN number or ID number: | UN 3264 |
| 14.2. UN proper shipping name: | CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S. (nitric acid) |

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|------------------------------------------|-----|
| 14.3. Transport hazard class(es): | 8 |
| 14.4. Packing group: | III |
| Hazard label: | 8 |
| Classification code: | C1 |
| Special Provisions: | 274 |
| Limited quantity: | 5 L |
| Excepted quantity: | E1 |

Marine transport (IMDG)

| | |
|------------------------------------------|-----------------------------------------------------------|
| 14.1. UN number or ID number: | UN 3264 |
| 14.2. UN proper shipping name: | CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S. (nitric acid) |
| 14.3. Transport hazard class(es): | 8 |
| 14.4. Packing group: | III |
| Hazard label: | 8 |
| Special Provisions: | 223 274 |
| Limited quantity: | 5 L |
| Excepted quantity: | E1 |
| EmS: | F-A, S-B |
| Segregation group: | 1 - acids |

Air transport (ICAO-TI/IATA-DGR)

| | |
|------------------------------------------|-----------------------------------------------------------|
| 14.1. UN number or ID number: | UN 3264 |
| 14.2. UN proper shipping name: | CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S. (nitric acid) |
| 14.3. Transport hazard class(es): | 8 |
| 14.4. Packing group: | III |
| Hazard label: | 8 |
| Special Provisions: | A3 A803 |
| Limited quantity Passenger: | 1 L |
| Passenger LQ: | Y841 |
| Excepted quantity: | E1 |
| IATA-packing instructions - Passenger: | 852 |
| IATA-max. quantity - Passenger: | 5 L |
| IATA-packing instructions - Cargo: | 856 |
| IATA-max. quantity - Cargo: | 60 L |

14.5. Environmental hazards

ENVIRONMENTALLY HAZARDOUS: No

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

Authorisations (REACH, annex XIV):

"diarsenic pentaoxide; arsenic pentoxide; arsenic oxide"

Substances of very high concern, SVHC (REACH, article 59):

lead dinitrate

Restrictions on use (REACH, annex XVII):

Entry 3, Entry 19, Entry 27, Entry 63, Entry 75

Information according to Directive Not subject to 2012/18/EU (SEVESO III)

2012/18/EU (SEVESO III):

Marketing and use of explosives precursors (Regulation (EU) 2019/1148):

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Acquisition, introduction, possession or use of this product by the general public is restricted by Regulation (EU) 2019/1148. All suspicious transactions, and significant disappearances and thefts should be reported to the relevant national contact point.

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): 3 - highly hazardous to water

SECTION 16: Other information

Abbreviations and acronyms

Ox. Liq. 3: Oxidising liquids, hazard category 3
 Ox. Sol. 2: Oxidising solids, hazard category 2
 Met. Corr. 1: Corrosive to metals, hazard category 1
 Acute Tox. 2: Acute toxicity, hazard category 2
 Acute Tox. 3: Acute toxicity, hazard category 3
 Acute Tox. 4: Acute toxicity, hazard category 4
 Skin Corr. 1A: Skin corrosion, sub-category 1A
 Skin Corr. 1B: Skin corrosion, sub-category 1B
 Skin Irrit. 2: Skin irritation, hazard category 2
 Eye Dam. 1: Serious eye damage, hazard category 1
 Eye Irrit. 2: Eye irritation, hazard category 2
 Resp. Sens. 1: Respiratory sensitisation, hazard category 1
 Skin Sens. 1: Skin sensitisation, hazard category 1
 Muta. 2: Germ cell mutagenicity, hazard category 2
 Carc. 1A: Carcinogenicity, hazard category 1A
 Carc. 1B: Carcinogenicity, hazard category 1B
 Repr. 1A: Reproductive toxicity, hazard category 1A
 Repr. 1B: Reproductive toxicity, hazard category 1B
 STOT SE 3: Specific target organ toxicity - single exposure, hazard category 3
 STOT RE 1: Specific target organ toxicity - repeated exposure, hazard category 1
 STOT RE 2: Specific target organ toxicity - repeated exposure, hazard category 2
 Aquatic Acute 1: Hazardous to the aquatic environment, hazard category: Acute 1
 Aquatic Chronic 1: Hazardous to the aquatic environment, long-term hazard category: Chronic 1
 Aquatic Chronic 2: Hazardous to the aquatic environment, long-term hazard category: Chronic 2
 Aquatic Chronic 3: Hazardous to the aquatic environment, long-term hazard category: Chronic 3

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

| Classification | Classification procedure |
|-------------------------|--------------------------|
| Met. Corr. 1; H290 | On basis of test data |
| Carc. 1A; H350 | Calculation method |
| Acute Tox. 4; H332 | Calculation method |
| Skin Corr. 1B; H314 | Calculation method |
| Eye Dam. 1; H318 | Calculation method |
| Skin Sens. 1; H317 | Calculation method |
| STOT RE 2; H373 | Calculation method |
| Aquatic Chronic 3; H412 | Calculation method |

Relevant H and EUH statements (number and full text)

H272 May intensify fire; oxidiser.
 H290 May be corrosive to metals.
 H300 Fatal if swallowed.

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| | |
|--------|----------------------------------------------------------------------------|
| H301 | Toxic if swallowed. |
| H302 | Harmful if swallowed. |
| H314 | Causes severe skin burns and eye damage. |
| H315 | Causes skin irritation. |
| H317 | May cause an allergic skin reaction. |
| H318 | Causes serious eye damage. |
| H319 | Causes serious eye irritation. |
| H330 | Fatal if inhaled. |
| H331 | Toxic if inhaled. |
| H332 | Harmful if inhaled. |
| H334 | May cause allergy or asthma symptoms or breathing difficulties if inhaled. |
| H335 | May cause respiratory irritation. |
| H341 | Suspected of causing genetic defects. |
| H350 | May cause cancer. |
| H350i | May cause cancer by inhalation. |
| H360D | May damage the unborn child. |
| H360Df | May damage the unborn child. Suspected of damaging fertility. |
| H372 | Causes damage to organs through prolonged or repeated exposure. |
| H373 | May cause damage to organs through prolonged or repeated exposure. |
| H400 | Very toxic to aquatic life. |
| H410 | Very toxic to aquatic life with long lasting effects. |
| H411 | Toxic to aquatic life with long lasting effects. |
| H412 | Harmful to aquatic life with long lasting effects. |
| EUH071 | Corrosive to the respiratory tract. |

Further Information

Provide appropriate information, instructions and training to users

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 made-up material.

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.

The receiver of our product is singularly responsible for adhering to existing laws and regulations.

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