

SAFETY DATA SHEET

according to Regulation (EC) No 1907/2006, Regulation (EU) No 2015/830, Regulation (EC) No 1272/2008



Nitric acid

Revision Date 27.02.2017

Version 4.0

EU / EN

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier

Trade name : Nitric acid.
Chemical name : Nitric acid.
CAS-No : 7697-37-2
EC-No : 231-714-2
Registration number : 01-2119487297-23-0003

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

Use of the Substance/ Mixture : Industrial uses: as intermediate, in formulation of mixtures, distribution, cleaning product, in metal/plastic surface treatment, as processing aids (reactive agent in synthesis), in surface treatment, regeneration of ion exchange resins, as laboratory agent.
Professional uses: Distribution, dilution or suspension of fertilizers, cleaning product, metal surface treatment, pH regulator, in laboratory chemicals, as surface etchant for concrete.
See complete list in the exposure scenario provided as an annex.

1.3 Details of the supplier of the safety data sheet

Company : Nevinnomysky Azot JSC
1 Nizyaeva str., Nevinnomysk, Stavropol Territory, 357107, Russia
Telephone : + 7 (86554) 4-42-40
E-mail address : nevinazot@eurochem.ru
Only representative : AB "Lifosa"
Juodkiskio 50, LT-57502 Kedainiai, Lithuania
Telephone : + (370 347) 66 483
E-mail address : info@lifosa.com

1.4 Emergency telephone number

Austria: Poison Control Centre, Tel.: (+43)-1-406-43-43;
Belgium: Belgisch Antigifcentrum, Tel.: 070/245-245;
Bulgaria: Многопрофилна болница за активно лечение и спешна медицина "Н.И.Пирогов", Tel.: (+359)-2-9154-409;
Croatia: Poison Control Centre, Tel: (+385)-1-23-48-342;
Czech Republic: Toxikologické informační středisko Telefon: (+420)-224-919-293,
Denmark: Poison Control Hotline, Tel.: (+45)-82-12-12-12;
Estonia: National emergency telephone number: 112 or Poison information telephone number: 16662, calling from abroad: (+372)-626-93-90;
Finland: Poison Information Centre, Tel.: (09)-471-977 (direct) or (09)-4711;
France: ORFILA (INRS): (+33)-(0)-1-45-42-59-59;
Hungary: Az Egészségügyi Toxikológiai Tájékoztató Szolgálat elérhetőségei Tel: (+36)-80-201-199;
Latvia: Valsts Toksikoloģijas centra Saindēšanās un zāļu informācijas centrs, Tel.: (+371)-67042473;
Lithuania: Sveikatos apsaugos ministerijos ekstremalių sveikatai situacijų centras, Tel.: (+370)-5-236-20-52 or (+370)-687-53378;

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Malta: Mater Dei Hospital, Tel: 2545-0000;

Portugal: Centro de Informação Antivenenos (Portuguese Poison Centre), Tel: 808-250-143;

Romania: Biroul RSI Si Informare Toxicologica, Tel.: 021-318-36-06 (direct) (8.00 - 15.00);

Slovak Republic: National Toxicological Information Centre (+421)-2-5477-4166;
(+420)-224-915-402;

Sweden: 112.

Note: please, consult with your local/national competent authorities for the emergency number in your country.

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Classification according to REGULATION (EC) No 1272/2008

Oxidizing liquids, Category 3

H272: May intensify fire: oxidizer.

Corrosive to metals, Category 1

H290: May be corrosive to metals.

Acute Toxicity – Inhalation, Category 3

H331: Toxic if inhaled.

Skin corrosion, Category 1A

H314: Causes severe skin burns and eye damage.

EUH071: Corrosive to the respiratory tract.

2.2 Label elements

Labeling according to REGULATION (EC) No 1272/2008

Hazard pictogram (s) :



GHS03: flame over circle



GHS05: corrosion



GHS06: skull and crossbones

Signal Word : Danger

Hazard statements :

H272

May intensify fire; oxidizer.

H290

May be corrosive to metals.

H314

Causes severe skin burns and eye damage.

H331

Toxic if inhaled.

Additional labelling requirements (supplemental hazard statement)

EUH071

Corrosive to the respiratory tract.

Precautionary statements : **Prevention:**

P210

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

P221

: Take any precaution to avoid mixing with combustibles.

P280

: Wear protective gloves, protective clothing, eye protection, face protection.

Response:

P301+P330+

P331+P310

: IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Immediately call a POISON CENTER or doctor.

P303+P361+

P353+P310

: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower. Immediately call a POISON

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P305+P351+P338+P310 : CENTER or doctor.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor.

Storage:
P403+P233 : Store in a well-ventilated place. Keep container tightly closed.

All precautionary statements see Section 16.

2.3 Other hazards

The criteria for the identification of PBT/vPvB properties do not apply to inorganic substances. Nitric acid will not be identified as PBT or vPvB substances.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

The product is a chemical substance within the meaning of the REACH Regulation (1907/2006/EC). The following table contains the main constituent at the top.

Chemical Name	Concentration, wt. %	CAS-No	EC-No / Registration number	Index-No	GHS
Nitric acid	≤ 100	7697-37-2	231-714-2/ 01-2119487297-23-0003	007-004-00-1	Ox. Liq. 3, H272; Met.Corr. H290; Skin Corr.1A, H314; Acute Tox. 3, H331

For the full text of the H-phrases mentioned in this Section, see Section 16.

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures

- General advice : In the case of accident or if you feel unwell, seek medical advice immediately (show the label where possible). First aider needs to protect himself. Move out of dangerous area. Never give anything by mouth to an unconscious person. Take off contaminated clothing and shoes immediately.
- Inhalation : If breathed in, move person into fresh air. Keep patient warm and at rest. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Immediately consult a physician.
- Skin contact : In case of contact, immediately flush skin with soap and plenty of water. Immediately consult a physician.
- Eye contact : Protect unharmed eye. If easy to do, remove contact lens, if worn. Rinse thoroughly with plenty of water for at least 15 minutes and immediately consult a physician.
- Ingestion : Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Immediately consult a physician.

4.2 Most important symptoms and effects, both acute and delayed

Symptoms of exposure may include convulsions, spasm, inflammation and edema of the larynx and bronchi, pneumonitis, pulmonary edema, burning sensation, cough, wheezing, laryngitis, shortness of breath, headache, nausea, vomiting. Large doses may cause: conversion of hemoglobin to methemoglobin, producing cyanosis; marked fall in blood pressure, leading to collapse, coma, and possibly

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death. Material is extremely destructive to tissue of the mucous membranes and upper respiratory tract, eyes, and skin.

4.3 Indication of any immediate medical attention and special treatment needed

No data available.

SECTION 5: FIRE-FIGHTING MEASURES

5.1 Extinguishing Media

Suitable extinguishing media : Dry chemical or carbon dioxide, dry sand.

5.2 Special hazards arising from the substance or mixture

Specific hazards : Hazardous decomposition products may be formed under fire conditions (see section 10). Exposure to decomposition products may be a hazard to health.

5.3 Advice fire fighters

Special protective equipment : Wear self contained breathing apparatus for firefighting if necessary. Use personal protective equipment.

Further information : Standard procedure for chemical fires. Use spray water to cool unopened containers. Collect contaminated fire extinguishing water separately. This must not be discharged into drains. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations. The product itself does not burn.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedure

Refer to protective measures listed in sections 7 and 8. Use personal protective equipment. Remove all sources of ignition. Avoid contact with skin and eyes. Avoid inhalation of vapor, mist or spray. Ensure adequate ventilation, especially in confined areas. Immediately evacuate personnel to safe areas.

6.2 Environmental precautions

Do not flush into surface water or sanitary sewer system. Prevent further leakage or spillage if safe to do so. If the product contaminates rivers and lakes or drains inform respective authorities. Avoid release to the environment. Refer to special instructions.

6.3 Methods and materials for containment and cleaning up

Contain and collect spillage with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations. Clean contaminated surface thoroughly.

6.4 Reference to other sections

See Section 7, 8, 11, 12 and 13.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling

Advice on safe handling : For personal protection see section 8. Avoid contact with skin and eyes. Keep away from sources of ignition – No smoking. Keep away from combustible material. Avoid inhalation of

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vapor, mist or spray. Provide appropriate exhaust ventilation at places of possible leakage of the product. Do not carry cloths that have come into contact with the product in your clothing. Handle with care. Avoid exposure – obtain special instructions before use.

Advice on protection against fire and explosion : Normal measures for preventive fire protection. Keep away from heat and sources of ignition.

7.2 Conditions for safe storage including any incompatibilities

Requirements for storage areas and containers : Store in a place accessible by authorized persons only. Keep locked up or in an area accessible only to qualified or authorized persons. Keep container tightly closed in a dry and well-ventilated place. Store in cool place. Store in aluminium or steel containers (tanks). Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Further information on storage conditions : Protect from moisture.

Advice on common storage : Keep away from food, drink and animal feeding stuffs. Incompatible with acids and bases. Do not store together with combustible materials, organic substances, acetic anhydride, acetonitrile, acrylonitrile, alcohols, alkali metals.

Storage period : Not limited.

Storage temperature : $\leq 40^{\circ}\text{C}$

Other data : No decomposition if stored and applied as directed.

7.3 Specific end use(s)

See Annex I.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

Components	CAS-No	Control parameters	Basis	Country
Nitric acid	7697-37-2	STEL: 2.6 mg/m ³ , 1 ppm	OEL-AT	Austria
Nitric acid	7697-37-2	STEL: 2.6 mg/m ³ , 1 ppm	MB 14.3.2002	Belgium
Nitric acid	7697-37-2	STEL: 2.6 mg/m ³ , 1 ppm	НАРЕДБА № 13	Bulgaria
Nitric acid	7697-37-2	STEL: 2.6 mg/m ³ , 1 ppm	OEL-HR	Croatia
Nitric acid	7697-37-2	STEL: 2.6 mg/m ³ , 1 ppm	OEL-CY	Cyprus
Nitric acid	7697-37-2	TWA: 1 mg/m ³	361/2007 Sb.	Czech Republic
Nitric acid	7697-37-2	STEL: 2.6 mg/m ³ , 1 ppm	OEL-DK	Denmark
Nitric acid	7697-37-2	STEL: 2.6 mg/m ³ , 1 ppm	RT I 2001, 77, 460	Estonia
Nitric acid	7697-37-2	TWA: 0.5 ppm; 1.3 mg/m ³ ; STEL: 2.6 mg/m ³ , 1 ppm	HTP-ARVOT 2014	Finland
Nitric acid	7697-37-2	STEL: 2.6 mg/m ³ (indicative limit), 1 ppm (indicative limit)	ED984	France
Nitric acid	7697-37-2	AGW: 2.6 mg/m ³ , 1 ppm	TRGS 900	Germany
Nitric acid	7697-37-2	STEL: 2.6 mg/m ³ , 1 ppm	LN. 2003/035	Gibraltar
Nitric acid	7697-37-2	STEL: 2.6 mg/m ³ , 1 ppm	OEL-GR	Greece
Nitric acid	7697-37-2	STEL: 2.6 mg/m ³ ,	EüM-SzCsM 25/2000	Hungary

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Nitric acid	7697-37-2	STEL: 2.6 mg/m ³ , 1 ppm	S.I. No. 619 of 2001	Ireland
Nitric acid	7697-37-2	STEL: 2.6 mg/m ³ , 1 ppm; TWA: 2 ppm; 5.2 mg/m ³	OEL-IT	Italy
Nitric acid	7697-37-2	STEL: 2.6 mg/m ³ , 1 ppm; TWA: 2 mg/m ³ , 0.78 ppm	MK 01.02.2011. Nr.92	Latvia
Nitric acid	7697-37-2	STEL: 2.6 mg/m ³ , 1 ppm	2011 m. 1 d. Nr. V-824/A1-389	Lithuania
Nitric acid	7697-37-2	STEL: 2.6 mg/m ³ , 1 ppm	Mémorial 168	Luxembourg
Nitric acid	7697-37-2	STEL: 2.6 mg/m ³ , 1 ppm	S.L.424.24	Malta
Nitric acid	7697-37-2	STEL: 1.3 mg/m ³	OEL-NL	Netherlands
Nitric acid	7697-37-2	STEL: 2.6 mg/m ³ , 1 ppm; TWA: 1.4 mg/m ³	Dz.U. 2014 poz. 817	Poland
Nitric acid	7697-37-2	STEL: 4 ppm; TWA: 2 ppm	OEL-PT	Portugal
Nitric acid	7697-37-2	STEL: 2.6 mg/m ³ , 1 ppm	Hotărârea nr. 1218	Romania
Nitric acid	7697-37-2	STEL: 2.6 mg/m ³ , 1 ppm	Nariadenie 300/2007 Z.z.	Slovak Republic
Nitric acid	7697-37-2	STEL: 2.6 mg/m ³ , 1 ppm; TWA: 2.6 mg/m ³ , 1 ppm	OEL-SI	Slovenia
Nitric acid	7697-37-2	STEL: 2.6 mg/m ³ , 1 ppm	OEL-ES	Spain
Nitric acid	7697-37-2	STV: 13 mg/m ³ , 5 ppm; LLV: 5 mg/m ³ , 2 ppm	AFS 2011:18	Sweden
Nitric acid	7697-37-2	STEL: 2.6 mg/m ³ , 1 ppm	EH40/2005	United Kingdom
Nitric acid	7697-37-2	STEL: 2.6 mg/m ³ , 1 ppm	2006/15/EC	EU

PNEC (Predicted No effect Concentration)

Nitric acid : No data available.
A pH value of 6 is selected as the threshold value for the chemical safety assessment of nitric acid.

DNEL (Derived No Effect Level)/DMEL (Derived Minimal Effect Level)

Worker:

Short-term exposure local effects, inhalation : 2.6 mg/m³
Long-term exposure local effects, inhalation : 1.3 mg/m³

General population:

Short-term exposure local effects, inhalation : 1.3 mg/m³
Long-term exposure local effects, inhalation : 2.6 mg/m³

8.2 Exposure controls

Engineering measures

Provide sufficient air exchange and/or exhaust in work rooms. Highly effective exhaust ventilation.

Personal protective equipment

Respiratory protection : Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multi-purpose combination type AXBEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator.

Remarks : Use respirators and components tested and approved under appropriate government standards CEN (EU).

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Hand protection

Material : Butyl-rubber, rubber, PVC.
Remarks : Choose gloves to protect hands against chemicals depending on the concentration and quantity of the hazardous substance and specific to place of work. For special applications, we recommend clarifying the resistance to chemicals of the aforementioned protective gloves with the glove manufacturer.

Eye protection

Remarks : Tightly fitting safety goggles. Face shield.
: Use equipment for eye protection tested and approved under appropriate government standards such as EN 166 (EU).

Skin and body protection

: Choose body protection according to the amount and concentration of the dangerous substance at the work place.

Hygiene measures

: Handle in accordance with good industrial hygiene and safety practice.
General industrial hygiene practice.
Avoid breathing vapors, mist or spray.
Avoid contact with skin, eyes and clothing.
When using do not eat, drink or smoke.
Wash hands before breaks and at the end of workday.
Follow the skin protection plan.
Wash contaminated clothing before re-use.

Environmental exposure controls

See Annex I

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Form : Liquid.
Colour : Colourless.
Odour : Strong odour.
Odor threshold : No data available.
Flash point : Nitric acid is an inorganic substance; the flash point needs not to be determined.
Lower explosion limit : No data available.
Upper explosion limit : No data available.
Explosive properties : Nitric acid does not contain any chemical groups indicating explosive properties and is therefore not considered explosive.
Flammability : Non flammable.
Oxidizing properties : Oxidizing.
Self-ignition temperature : Not applicable. The oxidation state of nitrogen in Nitric acid is in its highest possible state (5+) and thus Nitric acid can be considered as non-flammable and will not be sensitive to self-ignition.
Melting point/range : (- 42.0) – (- 41.6) °C at 1 013 hPa
pH : 1.35 at 20 °C
Boiling point/boiling range : 82.85 °C at 1 013 hPa
Vapor pressure : 6.1 kPa at 25 °C
Density : 1.513 g/cm³ at 20 °C
Bulk density : Not applicable.

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Water solubility : 5.0E+05 mg/l at 20 °C
Miscibility with water (15 °C) : At any ratio (> 90%)
Partition coefficient: n- : 2.3 at 25 °C
octanol/water
Solubility in other solvents : No data available.
Viscosity, dynamic : 0.75 mPa s at 25 °C
Viscosity, kinematic : No data available.
Relative vapor density : No data available.
Evaporation rate : No data available.
Decomposition temperature : No data available.

9.2 Other information

Molecular weight : 63.012 g/mol

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity

No data available.

10.2 Chemical stability

No decomposition if stored and applied as directed.

10.3 Possibility of hazardous reactions

Corrosive to concrete.

10.4 Conditions to avoid

Heat. Protect from moisture.

10.5 Incompatible materials

Materials to avoid : Acids and bases, combustible materials, organic substances, acetic anhydride, acetonitrile, acrylonitrile, alcohols, alkali metals.

10.6 Hazardous decomposition products

Hazardous decomposition products : Build-up of dangerous/toxic fumes possible in cases of fire/high temperature:
Nitrogen oxides.

Thermal decomposition : No data available.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute toxicity

Acute oral toxicity

Nitric acid : No test.

Acute inhalation toxicity

Nitric acid : LC₅₀ (rat): > 2 650 mg/m³
Exposure time: 4 h

Acute dermal toxicity

Nitric acid : No test.

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Acute toxicity (other routes of administration)

No data available

Skin corrosion / irritation

Skin irritation : Corrosive.

Serious eye damage / eye irritation

Eye irritation : Corrosive.

Sensitization of the respiratory / skin

Skin sensitization : Non skin sensitizing.

Respiratory sensitization : Non respiratory sensitizing.

Mutagenicity

No mutagenic effect.

Carcinogenicity

No carcinogenic effect.

Reproductive toxicity

Nitric acid : NOAEL (sub-acute; rat): 1 500 mg/kg bw day
Route of application: oral
Exposure time: 28 – 54 days

Teratogenicity

No data available.

Specific target organ toxicity after single exposure

Corrosive to the respiratory tract.

Specific target organ toxicity after repeated exposure (sub-acute / sub-chronic)

Repeated dose toxicity: (sub-acute/ sub-chronic)

Nitric acid : NOAEL (sub-acute; rat): 1 500 mg/kg bw day
Route of application: oral
Exposure time: 28 – 54 days
: Read across data:
NOAEC (sub-chronic; rat): 4.11 mg/m³
Route of application: inhalation
Exposure time: 90 days (6 hrs/day; 5 days/week, 13 weeks)

Aspiration hazard

No data available.

Neurological effects

No data available.

Toxicology, metabolism, distribution

Absorption factors of 100% are proposed for oral, inhalation and dermal absorption. For route-to-route extrapolation starting from oral data, an absorption factor of 50% is proposed as a worst-case assumption.

SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity

Toxicity to fish:

Nitric acid : No data available.

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Toxicity to daphnia and other aquatic invertebrates:

Nitric acid : No data available.

Toxicity to aquatic plants:

Nitric acid : No data available.

12.2 Persistence and degradability

Biodegradability : Not applicable. Nitric acid is inorganic substance.

12.3 Bioaccumulation potential

As nitric acid is extremely soluble in water, it will not accumulate in fatty tissues. Therefore bioaccumulation studies are deemed not relevant.

12.4 Mobility in soil

Study scientifically unjustified.

12.5 Results of PBT assessment and vPvB

The criteria for the identification of PBT/vPvB properties do not apply to inorganic substances. Nitric acid will not be identified as PBT or vPvB substances.

12.6 Other adverse effects

Additional ecological information : The product should not be allowed to enter drains, water courses or the soil.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Advice on disposal and packaging : Disposal:
In accordance with local and national regulations. Do not dispose of waste into sewer. This material and its container must be disposed of in a safe way. Do not dispose of together with household waste. Waste codes should be assigned by the user based on the application for which the product was used.

SECTION 14: TRANSPORT INFORMATION

ADR

UN-Number : 2031
Description of the goods : NITRIC ACID, other than red fuming, with more than 70 % nitric acid
Class : 8
Packing group : I
Classification Code : CO1
Hazard identification No : 885
Labels : 8 (5.1)
Limited quantity : 0
Tunnel restriction code : E
Environmentally hazardous : no

RID

UN-Number : 2031
Description of the goods : NITRIC ACID, other than red fuming, with more than 70 %

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nitric acid
Class : 8
Packing group : I
Classification Code : CO1
Hazard identification No : 885
Labels : 8 (5.1)
Limited quantity : 0
Environmentally hazardous : no

IATA

UN-Number : 2031
Description of the goods : Nitric acid, other than red fuming, with more than 70 % nitric acid
Class : 8
Packing group : I
Labels : 8 (5.1)
Cargo Aircraft Only Pkg/Max : 854 / 2.5 L
Net Qty
Passenger & Cargo Aircraft : Forbidden
Pkg/Max Net Qty
Passenger & Cargo Aircraft : Forbidden
Pkg/Max Net Qty
Environmentally hazardous : no

IMDG

UN-Number : 2031
Description of the goods : NITRIC ACID, other than red fuming, with more than 70 % nitric acid
Class : 8
Packing group : I
Labels : 8 (5.1)
EmS Number 1 : F-A
EmS Number 2 : S-Q
Marine pollutant : no

Special precautions for the user

See Section 6, 7 and 8

SECTION 15: REGULATORY INFORMATION

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

Special labelling of certain mixtures : Restricted to professional users.

Seveso (2012/18/EU)	Directive :	Quantity 1	Quantity 2
	H2 Acute Toxic	50 t	200 t
	P8 Oxidising liquids and solids	50 t	200 t

National legislation

Other regulations : Take note of Dir 94/33/EC on the protection of young people at work.

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15.2 CSA

The Chemical Safety Assessment was undertaken.

SECTION 16: OTHER INFORMATION

Hazard statements:

H272: May intensify fire: oxidizer.
H290: May be corrosive to metals.
H314: Causes severe skin burns and eye damage.
H331: Toxic if inhaled.

Precautionary statements:

Prevention:

P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P220: Keep away from clothing, metal powders, organic, combustible materials.
P221: Take any precaution to avoid mixing with combustibles materials, metal powders, and organic substances.
P234: Keep only in original container.
P260: Do not breathe vapours.
P261: Avoid breathing fume, mist, vapours or spray.
P264: Wash hands thoroughly after handling.
P271: Use only outdoors or in a wellventilated area.
P280: Wear protective gloves, protective clothing, eye protection, face protection.

Response:

P301+P330+P331: IF SWALLOWED: Immediately call a POISON CENTER or doctor.
P303+P361+P353: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.
P304+P340: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
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 or doctor.
P311: Call a POISON CENTER or doctor.
P321: Specific treatment (see on this label).
P363: Wash contaminated clothing before reuse.
P370+P378: In case of fire: Use dry chemical or carbon dioxide, dry sand for extinction.
P390: Absorb spillage to prevent material damage.

Storage:

P403+P233: Store in a well-ventilated place. Keep container tightly closed.
P405: Store locked up.
P406: Store in corrosive resistant container with a resistant inner liner.

Disposal:

P501: Dispose of contents and container to in accordance with national regulation.

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

SAFETY DATA SHEET

according to Regulation (EC) No 1907/2006, Regulation (EU) No 2015/830, Regulation (EC) No 1272/2008



Nitric acid

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ANNEX I: EXPOSURE SCENARIOS