

Safety Data sheet

According to Directive 1907/2006

0118 EDTA, ACID

Creation Date: 01/12/2010 Revision date: 31/05/2017

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

Identification of the product

Catalogue No: 0118 Product name: EDTA, ACID Use of the substance: Chemical analysis REACH registration Nr.: 01-2119486399-18-XXXX

Company/undertaking identification

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2. Hazards identification

Labelling in accordance with directive 1907/2006



R-phrases

36 Irritating to eyes.

S-phrases

2 Keep out of the reach of children.

26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

Labelling in accordance with directive 1272/2008



H-phrases

319 Causes serious eye irritation.

P-phrases

305+351 If in eyes: Rinse cautiously with water for several minutes.

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

309+311 IF exposed or if you feel unwell: Call a POISON CENTER or doctor/physician.

Signal word : WARNING

IRRITANT

R-phrases:

Irritating to eyes.

3. Composition/information on ingredients

For the full text of the R phrases mentioned in this section, see Section 16.

CAS-No.: 60-00-4

Molecular Weight: 292,25

Chemical formula: $[(\text{HOOCCH}_2)_2\text{NCH}_2-]_2$

EC-No.: 200-449-4

R-phrases 36

For more information about the R-Phrases text you can consult the paragraph 16

4. First aid measures

After inhalation:

Fresh air

After skin contact:

Rinse with abundant water (or have a shower)

Get rid of the contaminated clothes

After eye contact:

Rinse with abundant water, keeping eyelids open (at least 10 min)

Call the ophthalmologist

After swallowing:

Drink lots of water

Call the doctor

5. Fire-fighting measures

Suitable extinguishing media:

Carbon dioxide

Foam

Dust

Water

Special risks:

Combustible

Danger of dust explosion

Ambient fire may liberate hazardous vapours

The following may develop in event of fire nitrogen oxides

Special protective equipment for fire fighting:

Remain in the risk area only if provided with independent artificial respiratory systems.

Other information:

Precipitate emergent steam with water

Avoid the penetration of the extinction water in superficial or subterraneous aquifers.

6. Accidental release measures

Person-related precautionary measures:

Avoid contact with the substance
Avoid dust formation
Do not inhale dust
Ventilation in closed spaces

Procedures for cleaning/absorption:

Dry cleaning. Proceed to the elimination of any waste.
Rinse.

Environmental protection measures:

Do not send it to the sewerage system

7. Handling and storage

Handling: Without other exigencies

Storage:

Well closed
Dry place.
Storage temperature: without limits

8. Exposure controls/personal protection

Personal protective equipment:

Respiratory protection:

Necessary respiratory protection in the presence of dust

Hand protection:

Protection gloves:
Nitrile rubber

Eye protection:

Needed

Other protective equipment:

Change immediately contaminated clothes
Recommendable preventive protection of the skin
Wash hands when work is finished
Fulfill the commitments under local environmental protection legislation

9. Physical and chemical properties

Physical state: Solid
Colour: Colourless to white
Odour: Odourless
pH value: 2,5 (10 g/l H₂O) (slurry)
Melting point: >220°C
Ignition temperature: > 200°C
Vapour pressure: < 0,013 hPa
Solubility: 0,5 g/l (water)
log P(ow): -3,34

10. Stability and reactivity

Substances to be avoided:

Strong oxidizing agents.
Bases.

Hazardous decomposition products:

Not available.

Further information:

To avoid heating.

Possible powder explosion.

Unsuitable working material: copper.

Unsuitable working material: copper alloys.

Unsuitable working material: nickel.

11. Toxicological information

Acute toxicity:

LD50 (oral, rat): 2580 mg/kg

After eye contact:

Irritation

After skin contact:

Slight irritation symptoms

After inhalation:

Irritations of the mucous membranes

Coughing

Dyspnoea

After long contact:

Kidney problems

After swallowing:

Stomach pains

Further toxicological information:

No teratogenic effect in animal experiments

Non carcinogenic in animal experiments

Other dangerous characteristics are not discarded

The precautions adapted for chemical agents must be observed

12. Ecological information

Fishes: *Lepomis macrochirus*: LC50: 41 mg/l/96h (in soft water)

Daphnia: *Daphnia magna*: EC50: 625 mg/l/24h (EDTA, sodium salt)

Algae: *Scenedesmus quadricauda*: IC5: 11 mg/l/8d (EDTA, sodium salt)

Bacteria: *Pseudomonas putida*: EC50: 28 mg/l/16h

Log P(ow): -3,34

Degradability: Slightly biodegradable

BOD5 0,01 mg/kg

COD 0,85 mg/kg

Bioaccumulation: No bioaccumulation is to be expected (log Pow < 1)

Other harmful effects:

Harmful effect on aquatic organisms

May cause long-term adverse effects in the aquatic environment

Do not allow to enter waters, waste water, or soil

13. Disposal considerations

Product:

Dispose as regulated in the community countries by local regulations.

Please contact with the suitable authority in each case (Public Administration or company specialized in

Packaging:

Product packaging disposal must be disposed of in compliance with the respective local regulations. For contaminated packaging the same measures must be adopted as for the contaminated product. Not contaminated packaging must be disposed of as domestic residues or recycled material. European Directive 94/62/EC of 20 December 1994 on packaging and packaging waste

14. Transport information

Overland transport ADR/RID

Sea transport IMDG

Air transport ICAO-IATA-DGR

15. Regulatory information

16. Other information

Full text of R phrases mentioned in sections 2 and 3
36 Irritating to eyes.

The information contained herein is based on the present state of our knowledge.

It characterizes the product with regard to appropriate safety precautions. It does not represent a guaranty of the properties of the product.