

Dosage des nitrites : Solution B**L-A-T-N****Danger****SECTION 1. Identification of the substance/mixture and of the company/undertaking**

Ref. n° : 106 243 (FDS n° 106243-B)
Trade name : Dosage des nitrites : Solution B
Company identification : JEULIN
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Use : laboratory use

SECTION 2 Hazards identification**Classification of the substance or mixture**

Hazard Class and Category Code
Regulation EC 1272/2008 (CLP)

• Health hazards : Skin corrosion - Category 1B - Danger (CLP : Skin Corr. 1B)
Classification EC 67/548 or EC 1999/45 : C; R34

Label elements

Labelling Regulation EC 1272/2008 (CLP) :

• Hazard pictograms



• Signal words : Danger
• Hazard statements : H314 : Causes severe skin burns and eye damage.
• Precautionary statements
- General : P102 : Keep out of reach of children.
- Prevention : P280 : Wear protective gloves/protective clothing/eye protection/face protection. P260 : Do not breathe dust/fume/gas/mist/vapours/spray.
- Response : P305+P351+P338+P310+P321 : 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. Specific treatment. P302+P352 : IF ON SKIN: Wash with plenty of soap and water.

Labelling EC 67/548 or EC 1999/45

Symbol(s)



R Phrase(s)

S Phrase(s)

: Corrosive.
: R34 : Causes burns.
: S2 : Keep out of the reach of children.
S26 : In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S36/37/39 : Wear suitable protective clothing, gloves and eye/face protection.
S45 : In case of accident or if you feel unwell, seek medical advice immediately (show the label when possible).



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SECTION 2 Hazards identification (continued)

SECTION 3 Composition/information on ingredients

This product is considered to be hazardous and contains hazardous components.

Substance name	Value(s)	CAS nr	EC	EC index	REACH	CERTIFICATE
4-amino benzenesulphonic acid	< 0.1 %	121-57-3	204-482-5	612-014-00-X	----	Xi; R36/38 R43 ----- Eye irrit 2 (H319) Skin Irrit. 2 (H315) Skin Sens. 1 (H317)
Acetic acid	30 ca %	64-19-7	200-580-7	607-002-00-6	----	R10 C; R35 ----- Skin Corr. 1A (H314) Flam. Liq. 3 (H226)

SECTION 4. First aid measures

- Inhalation : If breathing is difficult, give oxygen.
If you feel unwell, seek medical advice.
Assure fresh air breathing.
If not breathing, give artificial respiration.
- Skin contact : Wash skin thoroughly with water.
Remove contaminated clothing and shoes.
- Eye contact : In case of eye contact, immediately rinse with clean water for 10-15 minutes.
Contact ophthalmologist immediately.
- Ingestion : **Do not induce vomiting because of corrosive effects.**
: **Seek medical attention immediately.**

SECTION 5. Fire-fighting measures

- Prevention : Keep away from heat.
: **Keep away from :**
 - : Metals.
 - : Strong oxidizers.
- Extinguishing media : Use extinguishing media appropriate for surrounding fire.
- Suitable : Carbon dioxide.
Powder.
Foam.
Water.
- Special exposure hazards : May form flammable vapour-air mixture.
Under fire conditions, hazardous fumes will be present.
Heavier than air, vapours may travel long distances along ground, ignite and flash back to source.
Thermal decomposition generates :
Carbon monoxide.
Contact with metals produces hydrogen gas which may form explosive mixtures with air.
See also hazardous reaction § 10.
- Protection against fire : Do not enter fire area without proper protective equipment, including respiratory protection.
- Special procedures : Use water spray or fog for cooling exposed containers.
Knock down vapour cloud with water spray or other appropriate solution.
Avoid (reject) fire-fighting water to enter environment.

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SECTION 6. Accidental release measures

- Environmental precautions** : Prevent entry to sewers and public waters.
- After spillage and/or leakage** : Clean up any spills as soon as possible, using an absorbent material to collect it. (ex: Vermiculite JEULIN réf. 150 039).
Neutralize spills with neutralization agent such as lime, or soda.
Flush/dilute residue with water.
Do not empty into drains, dispose of this material and its container at hazardous or special waste collection point.

SECTION 7. Handling and storage

- Precautions in handling and storage** : Provide local exhaust or general room ventilation.
Handle and open container with care.
- Handling** : Wear suitable protective clothing.
Avoid all unnecessary exposure.
Do not breathe gas, fumes, vapour or spray.
- Storage** : Close container tightly after use.
Store in dry, cool, well-ventilated area.
Keep away from heat. (+15°C / +25°C)

SECTION 8. Exposure controls/personal protection

- Personal protection** : Avoid all unnecessary exposure.
- Respiratory protection** : In case of insufficient ventilation, wear suitable respiratory equipment.
Where exposure through inhalation may occur from use, approved respiratory protection equipment is recommended.
- Hand protection** : Wear suitable gloves resistant to chemical penetration.
- Skin protection** : Wear suitable protective clothing.
- Eye protection** : Chemical goggles or safety glasses.
- Others** : Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.
Take proper precautions to prevent the production of vapors and aerosols.
A local extraction is recommended if there is a risk of producing vapors or aerosols.

Exposure controls

- France** : Acetic acid, VLE [ppm] : 10
VLE [mg/m³] : 25

SECTION 9. Physical and chemical properties

- Chemical name** : Dosage des nitrites : Solution B ; solution d'acide sulfanilique ; solution de 4-aminobenzènesulfonique.
- Physical state** : Liquid.
- Colour** : Colourless.
- Odour** : Characteristic.
- pH value** : No data available.
- Melting point [°C]** : No data available.
- Density** : No data available.
- Solubility in** : Water. (20 °C) : soluble.
- Flash point [°C]** : No data available.
- Auto-ignition temperature [°C]** : No data available.
- Explosion limits**
- Explosion limits - lower [%]** : No data available.
- Explosion limits - upper [%]** : No data available.
- Log P octanol / water at 20°C** : No data available.



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SECTION 9. Physical and chemical properties (continued)

SECTION 10. Stability and reactivity

- Conditions to avoid** : Contact with metallic substances.
Heat.
Moisture.
- Materials to avoid** : Strong oxidizing agents (peroxides, chromates, dichromates, chlorates, perchlorates, permanganates, nitric acid, concentrated nitric acid, concentrated sulphuric acid...)
Metals.
Alkali metals: Sodium (Na), Potassium (K).
Alkaline-earth metals: Magnesium (Mg), Calcium (Ca).
Strong bases.
- Hazardous reactions** : Reacts violently with :
Peroxides.
Permanganates.
Chromate. (CrO3).
Nitric acid.
Nitrates.
Strong bases.
Contact with metals produces hydrogen gas which may form explosive mixtures with air.
- Hazardous decomposition products** : Carbon monoxide.
- Hazardous Polymerization** : Will not occur.

SECTION 11. Toxicological information

- Acute toxicity**
- **Inhalation** : May be harmful if inhaled.
Fumes / dust / aerosols very corrosive to the respiratory tract and mucous membranes.
Aspiration of this material may cause chemical pneumonia.
Risk of pulmonary oedema.
 - **Dermal** : Causes burns.
May be harmful if absorbed through the skin.
 - **Ocular** : Highly corrosive to eyes.
Risk of serious permanent damages to eyes if the product is not rapidly removed.
Direct contact may result in corneal injury.
 - **Ingestion** : May be harmful if swallowed.
The ingestion causes severe corrosion can lead to tissue destruction of the mouth, throat and gastrointestinal tract.
Gastrointestinal Bleeding, stomach and esophageal perforations, necrosis and metabolic acidosis, digestive stenosis.
Ingestion may cause nausea, vomiting and diarrhea.
 - **Other** : May cause circulatory shock.
Exposure can cause cardiovascular disorders.
Target organ(s) :
Kidneys
Other toxic properties can not be excluded.
- Rat inhalation LC50 [mg/kg]** : No data available.
- Rat inhalation LC50 [mg/l/4h]** : No data available.
- Dermal irritation (rabbit)** : No data available.
- Eyes irritation (rabbit)** : No data available.
- Mucous membrane irritation (rabbit)** : No data available.
- Chronic toxicity** :
No chronic health hazards are likely for this material.
- Other toxicological information** : Other toxic properties can not be excluded. Observe all precautions for handling chemicals.
For more toxicological informations, read the INRS data sheet # : 24.



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SECTION 12. Ecological information

- Ecological effects information** : Harmful to aquatic organisms.
Harmful effect by changing the pH.
Avoid release to the environment.
- Persistence and degradability** : No data available.
- Bioaccumulative potential** : No data available.
- Information on elimination** : Do not empty into drains, dispose of this material and its container at hazardous or special waste collection point.

SECTION 13. Disposal considerations

- Disposal** : Dispose of this material and its container at hazardous or special waste collection point. Containers, or internal liners coming from a container, having contained this product are also considered as hazardous wastes.
Do not re-use empty container.
Dispose in a safe manner in accordance with local/national regulations.
- : **Do not empty into drains.**
- Waste-disposal procedures** : Refer to the MSDS before handling or disposing.

SECTION 14. Transport information

- Proper shipping name : UN2790 ACIDE ACÉTIQUE EN SOLUTION, 8, III, (E)
- UN No. : 2790
- H.I. nr : 80
- Land transport**
- ADR/RID : Group : III
Class : 8
- Sea transport**
- IMO-IMDG code : UN 2790 Acide acétique en solution.
- Class : 8
- Packing group : III
- Air transport**
- ICAO/IATA : UN 2790 Acetic acid solution.
- IATA - Class or division : 8
- IATA Packing group : III

SECTION 15. Regulatory information

- Other** : None.

SECTION 16. Other information

Further information

The contents and format of this MSDS are in accordance with Regulation (EC) N°1907/2006.

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