

## Section 1. Identification of the substance or mixture and of the Company / Undertaking

### 1.1. Product identification:

Product name : AMTRA NITRAT REDUCT

Commercial code: A3AM0272 - A3AM0273

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

Description / Uses:  
IONIC EXCHANGE RESIN FOR WATER TREATMENT.

### 1.3. Details of the supplier of the material safety data sheet:

CROCI S.p.A.  
Via S.Alessandro, 8  
21040 Castronno (VA) - Italy  
Tel. +39 0332 870860  
Fax. +39 0332 462439

e-mail Technical Responsible: [matteo.gamberoni@croci.net](mailto:matteo.gamberoni@croci.net). Phone number: +39 0332 870860

### 1.4. Emergency Phone Number:

Florence Poison Center: Telephone +39 055 794 7819 (CAV-Careggi Hospital in Florence).  
Genoa Poison Center: Telephone +39 010 563 6245 (Scientific Institute G. Gaslini).  
Turin Poison Center : Telephone +39 011/6637637 (SG Baptist Hospital - Molinette of Turin).  
Pavia Poison Center: Telephone +39 038 224 444 (CAV IRCCS Fondazione Maugeri-Pavia).  
Rome Poison Center: Telephone +39 06 305 4343 (CAV Policlinico Gemelli-Rome).  
Rome Poison Center: Telephone +39 06499780 00 (CAV Policlinico Umberto I-Rome).  
Naples Poison Center: Telephone +39 081 747 2870 (CAV Cardarelli Hospital-Naples).  
Milan Poison Centre: Telephone +39 02661010 29 (CAV Niguarda Ca 'Granda - Milan) (H-24)  
Bergamo Poison Centre: Telephone 800883300 (Hospital Papa Giovanni XXIII)

## Section 2. Hazards Identification

### 2.1. Classification of the substance or mixture

2.1.1 Classification under the Regulation 1272/2008: The preparation is not classified as hazardous according to the provisions of Regulation (EC) 1272/2008 (CLP) and subsequent amendments

2.2. Labeling elements: Danger labeling under the Regulation (EC) 1272/2008 (CLP) and subsequent amendments.  
Hazard symbols: None

Warnings: None

Hazard statements: None

Precautionary Statements: None

Product not intended for the uses foreseen by Dir.2004 / 42 / CE.

2.3. Other hazards:  
NOT APPLICABLE

### Section 3. Composition / Information on the ingredients

**3.1. Substances:** Not applicable

**3.2. Mixtures:**

polyvinyl benzyl triethylammonium chloride	cas n°: 063453-90-7	CLP classification: none	Weight (%): 25-60
water	cas n°: 7732-18-5	CLP classification: none	Weight (%): 40-75

### Section 4. First aid measures

**4.1 Description of first aid measures:**

**Eye contact:** Rinse with plenty of water (if possible remove any contact lenses). In case of eye irritation, consult a doctor.

**Skin contact:** Remove contaminated clothing; wash the skin with soap and water. In case of skin irritation, consult a doctor.

**Inhalation:** If breathing is difficult, take the injured person to fresh air and keep him at rest in a position that encourages breathing. In case of malaise consult a doctor.

**Ingestion:** Rinse mouth with water. In case of malaise consult a doctor.

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

Information not available

**4.3. Indication of any immediate medical attention and special treatment:**

No special treatments are provided.

### Section 5. Fire-fighting measures

**5.1. Extinguishing media:**

The product is not flammable. In the event of fire, use suitable extinguishing media, taking into account the presence of surrounding materials.

**5.2. Special hazards arising from the substance or mixture:**

The burning product develops toxic fumes: hydrocarbons, CO, CO<sub>2</sub>.

**5.3. Recommendations for those involved in extinguishing fires:**

Always wear the complete fire protection equipment: protective helmet with visor, fireproof clothing, intervention gloves and self-contained breathing apparatus.

### Section 6. Accidental release measures

**6.1. Personal precautions, protective equipment and emergency procedures:**

Move people to a safe place and isolate the area until the spilled product is completely recovered. Wear the necessary protective equipment. Avoid contact with eyes and skin. At the end of the recovery operations, wash the area involved with water containing a detergent and make sure that the washing water does not enter drains or natural waterways.

**6.2. Environmental precautions:**

Prevent the product from flowing into drains, surface waters and groundwater.  
In case of accidental infiltration contact the competent authorities..

**6.3. Methods and materials for containment and cleaning up:**

Limit spillage to a minimum. Cover the drains. Collect as much as possible and transfer into plastic containers for recovery. Dispose of the spilled product in accordance with local and national legislation. Thoroughly clean the affected area to eliminate residual contamination.

**6.4. Reference to other sections (see section 8 and 13):**

For information on handling, refer to SECTION 7.  
For information on personal protective equipment, refer to SECTION 8.  
For disposal information, refer to SECTION 13.

## Section 7. Handling and storage

**7.1. Precautions for safe handling:**

No special precautions are required for this compound.  
Wear protective clothing as described in section 8.  
Observe the rules of good industrial hygiene.  
If the material is dry, electric shocks can be generated during handling.

**7.2. Conditions for safe storage, including any incompatibilities:**

Store above 0 ° C and below 40 ° C.  
Keep containers tightly closed in a dry and well-ventilated place.  
Avoid dehydration (when rehydrated the volume of the resin may increase and cause the package to break).  
Keep only in the original container.

**7.3. Specific end uses:**

None known.

## section 8. Exposure controls/personal protection

**8.1. Control parameters:**

No exposure limit for the ingredients of this mixture.  
DNEL: N.a.  
PNEC: N.a.

**8.2. Exposure controls:**

Operate in adequately ventilated areas to control the suspended dust that may develop.

**Skin protection:**

Wear work clothes with long sleeves and safety shoes for professional use.

**Hand protection**

Wear latex, PVC or equivalent work gloves. For the final choice of the material, evaluate its degradation, break time and permeation.

**Eye protection**

Wear airtight protective glasses.

**Respiratory protection**

Use a dust mask or self-contained breathing apparatus.

## Section 9. Physical and chemical properties

### 9.1. Information on basic physical and chemical:

Physical form: solid

Color: opalescent white-cream

Odor: odorless

Odor detection threshold: NA (not available).

pH = neutral

Melting point or freezing: Not applicable

Boiling Point range: Not applicable

Distillation range: Not applicable

Flash Point: Not applicable

Evaporation Rate: Not applicable

Flammability of solids and gases: Not applicable

Upper limit of flammability: Not applicable

Lower explosive limit: Not applicable

Upper explosive limit: Not applicable

Vapor Pressure: Not applicable

Vapour density: Not applicable

Relative density: 1,15-1,30

Solubility: insoluble in water

N-octanol/water partition coefficient: Not applicable

I Viscosity: Not applicable

### 9.2. Other information:

Apparent density 0.7-0.8 kg / l

## Section 10. Stability and reactivity

### 10.1. Reactivity:

There are no particular risks of reaction with other substances in normal conditions of use.

### 10.2. Chemical stability:

The mixture is stable under normal conditions of use and storage

---

**10.3. Possibility of hazardous reactions:**

In normal conditions of use and storage no dangerous reactions are predictable.

**10.4 Conditions to avoid:**

No dangerous reactions if used and stored according to specifications.

**10.5. Incompatible materials**

Incompatible with strong oxidizing agents. Contact with strong oxidants, especially nitric acid, can produce organic substances that can form explosive mixtures.

**10.6. Hazardous decomposition products:**

Thermal decomposition or combustion can release carbon oxides, nitrogen oxides or other toxic gases and vapors.

**Section 11. Toxicological information**

**11.1 Information on toxicological effects:**

No episodes of damage to health due to exposure to the product. In any case it must be handled in accordance with the rules of good industrial hygiene.

Interactive effects:

Not known .

Other information:

None known.

**Section 12. Ecological information**

**12.1 Toxicity:**

Based on the available data, the mixture is not harmful to aquatic life.

**12.2 Persistence and degradability:**

Information not available.

**12.3 Bioaccumulative potential:**

Information not available.

**12.4 Mobility in the soil:**

Insoluble in water

**12.5 Other adverse effects:**

The product is not classified as dangerous for the environment.

However, this does not exclude that large or frequent spills can have a harmful effect on the environment.

---

## Section 13. Disposal considerations

### 13.1. Waste treatment methods:

The mixture, as supplied, is not a hazardous waste.

It must be disposed of according to the regulations in force. The waste code must be assigned by the user based on the use that has been made of this product.

Empty containers should be transported to an authorized site for recycling or disposal.

## Section 14. Transport information

14.1. UN number N.a.

14.2. UN shipping name N.a.

14.3. Hazard classes related to transportation N.a.

14.4. Packing group N.a.

14.5. Environmental hazards N.a.

14.6. Special precautions for users N.a.

14.7. Transport in bulk according to Annex II of MARPOL and the IBC code N.a.

## Section 15. Regulatory information

### 15.1. Standards and legislation on health, safety and environment specific for the substance or mixture:

The product in this safety data sheet is not subject to specific community provisions in relation to the protection of human health or the environment.

In particular it is not subject to regulation based on the regulations specified below:

Regulation EC / 1005/2009 on substances that deplete the ozone layer;

Regulation EC / 850/2004 concerning persistent organic pollutants;

Regulation CE / 689/2008 on the import and export of dangerous chemical substances;

Directive 2012/18 / EU (ex Law Seveso) on the control of major-accident hazards related to certain dangerous substances;

Titles VII and VIII of the Reach Regulation EC / 1907/2006: authorizations and restrictions.

### 15.2. Chemical safety assessment:

Has not been developed a chemical safety assessment for the mixture and the substances

## Section 16. Other information

### An explanation of acronyms used with legend:

#### Training for workers:

The training of workers must envisage contents, updates and duration based on the risk profiles assigned to the work sectors to which they belong, according to the methods established by Legislative Decree 81/2008

#### Main bibliographic references and data sources:

Directive 1967/548 / EEC (and subsequent amendments and adjustments)

Directive 1999/45 / EC (and subsequent amendments and adjustments)

EC Regulation No. 1907/2006 (REACH) (and subsequent amendments and adjustments)

EC Regulation No. 1272/2008 (CLP) (and subsequent amendments and adjustments)

Regulation (EC) 790/2009 of the European Parliament (I Atp. CLP)

Regulation (EC) 453/2010 of the European Parliament

ECHA Agency Website

Legislative Decree 03/04/2006 No. 152 - Environmental regulations

Legislative Decree of 05/02/1997 No. 22 - Ronchi Decree

Legislative Decree of 09/04/2008 No. 81 - Consolidated text on the protection of health and safety in the workplace

#### Abbreviations and Acronyms:

**ADR:** European agreement concerning the international transport of dangerous goods by road

**ATEX:** Atmosphère Explosible

**CAS:** Chemical abstracts service

**CLP:** Classification, labeling and packaging

**EINECS:** European inventory of existing chemicals

**IATA:** International air transport association

**ICAO:** International civil aviation organization

**IMDG Code:** International maritime code for the transport of dangerous goods

**LC50:** Lethal concentration for 50% of organisms

**LD50:** Lethal dose for 50% of organisms

**OECD:** Organization for economic co-operation and development (OECD: Organization for Economic Cooperation and Development)

**PBT:** persistent, bioaccumulative, toxic

**REACH:** registration, evaluation, authorization and restriction of chemicals

**RID:** regulation concerning the inland transport of dangerous goods by rail

**vPvB:** very persistent, very bioaccumulative

**Note:** The information in this safety data sheet is based on our knowledge at the date of its publication. The information is provided for the sole purpose of facilitating use, storage, transport and disposal and should not be considered a specific quality guarantee. The user must make sure of the suitability and completeness of the information in relation to his particular use of the product.

