

Safety Data sheet

According to Directive 1907/2006

0787 AMMONIUM NITRATE, SOLUTION 50% w/w

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: 0787 Product name: AMMONIUM NITRATE, SOLUTION 50% w/w Use of the substance: Analysis and chemical-pharmaceutical production

Company/undertaking identification

QUALITY CHEMICALS, SL - C/Fornal 35. Pol. Ind. Can Comelles Sud 08292 ESPARREGUERA ESPAÑA Tel. 937709730 Fax. 937709337 e-mail: dtecnica@qualitychemicals.com

Emergency telephone No.

Quality Chemicals S.L. Tel. +34 937709730 Only in business hours. Instituto Nacional de Toxicología *Madrid* Tel:915620420 Chemtrec: 800-424-9300

2. Hazards identification

Labelling in accordance with directive 1907/2006

Labelling in accordance with directive 1272/2008

Classified as not dangerous in accordance with directive 1999/45/CE
Product not dangerous according to Regulation (EC) 1272/2008

3. Composition/information on ingredients

Aqueous solution

Short hazard description

AMMONIUM NITRATE (CAS-Nr. 6484-52-2, EINECS-Nr. 229-347-8) 49-51%

R-Phrases: 8; 9

OXIDICING

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

CAS-No.: 6484-52-2

Molecular Weight: 80,05

Chemical formula: NH_4NO_3

4. First aid measures

After inhalation:

Fresh air

If sickness persists, call the physician

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 physician if sickness persists

After swallowing:

Drink lots of water

To cause vomit

Call the doctor

5. Fire-fighting measures

Suitable extinguishing media:

Dust

Foam

Carbon dioxide

Water spraying

Special risks:

Fire promoting

Keep away from combustibles materials

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:

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

6. Accidental release measures

Person-related precautionary measures:

Not to inhale steam/aerosols

Procedures for cleaning/absorption:

To gather with absorbents

To come to the elimination of the remainders

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.

Moved away of inflammable substances, sources of ignition and heat

8. Exposure controls/personal protection

Exposure limit control

AMMONIUM NITRATE

MAK: 6 mg/m³

Personal protective equipment:

Respiratory protection:

Necessary when steam/aerosols are generated

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: Liquid

Colour: Colourless

Odour: Odourless

pH value: 5

Density (g/cm³): 1,230

Solubility: 163 g in 100 g water (15°C)

10. Stability and reactivity

Substances to be avoided:

Acids.

Alkaline hydroxides.

Aluminium.

Alkaline metals.

Metal (powder).

Non-metals.

Carbides.

Oxidizing agents.

Nitrites.

Combustible substances.

Organic substances.

Ammonium compounds.

Organic nitrocompounds

Salts of oxyhalogenic acids.

Chlorates.

Sulfur.

Hazardous decomposition products:

Nitrous gases.

Further information:

Incompatible with various metals and metal alloys.

11. Toxicological information

Acute toxicity:

LD50 (oral, rat): 2217 mg/kg (pure substance); LC50 (inhalation, rat): >88.8 mg/l/4h (pure substance)

After long contact:

Due to absorption:

Metahemoglobinemia

Headache

Drop in blood pressure

Cardiac dysrhythmia

Spasms

Dyspnoea

Cyanosis

After swallowing:

Nausea

Vomiting

Further toxicological information:

Take the usual precautions for handling chemical products

12. Ecological information

Fishes: C. carpio LC50: 74 mg/l/48h (pure substance)

Daphnia: Daphnia magna EC50: 555 mg/l (pure substance)

Algae: Sc. quadricauda IC50: 83 mg/l (pure substance)

Log P(ow): -3.1

Biodegradability: High

Bioaccumulation: Bioaccumulation is not expected

Other harmful effects:

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

May contribute to the eutrophication of water supplies

Fertilizing effect possible

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

Quality Chemicals, S.L.

Inscrita en el Registro Mercantil de Barcelona,
tomo 30166, folio 195, Sección General, hoja 169845.
Identificación fiscal ES B61403242

Fornal, 35 - Pol. Ind. Can Comelles Sud

Apdo. de Correos, 184

ES08292 Esparreguera (Barcelona)

Tel. (34) 93 770 97 30 - Fax (34) 93 770 93 37

customer-service@qualitychemicals.com - www.qualitychemicals.com

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

8 Contact with combustible material may cause fire.

9 Explosive when mixed with combustible material.

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.