



Safety Data Sheet

According to Regulation (EC) 1907/2006



1124 Ammonium Chromate

Identification of the substance/preparation and of the company or firm

1.1 Identification of the substance or preparation

Name:

Ammonium Chromate

1.2 Synonym:

Ammonium Chromate (VI)

1.3 Use of the substance/preparation:

For laboratory utilisation, analysis, research and fine chemistry.

1.4 Identification of the company or firm:

PANREAC QUIMICA S.L.U.

C/Garraf 2

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Emergencies:

Single telephone number for emergency calls: 112 (EU)

Tel.: (+34) 937 489 499

Identification of dangers

Classification of the substance or the mixture.

Classification Regulation (CE) n° 1272/2008.

Carc. 1B

Skin Sens. 1

Aquatic Acute 1

Aquatic Chronic 1

Hazard Pictograms



Signal word

Danger

Hazard statements

H350i May cause cancer by inhalation.

H317 May cause an allergic skin reaction.

H410 Very toxic to aquatic life with long lasting effects.

Precautionary statements

P201 Obtain special instructions before use.

P202 Do not handle until all safety precautions have been read and understood.

P261 Avoid breathing dust/fume/gas/mist/vapours/spray.

P272 Contaminated work clothing should not be allowed out of the workplace.

P273 Avoid release to the environment.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

Classification (67/548/CEE or 1999/45/CE).

N Dangerous for the environment R50/53

T Toxic R43

R49

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

Component Composition/Information

Name: Ammonium Chromate

Formula: $(\text{NH}_4)_2\text{CrO}_4$ M.= 152,09 CAS [7788-98-9]

EC number (EINECS): 232-138-4

EC index number: 024-017-00-8

First aid

4.1 General indications:

Never provide drink or induce vomiting in the event of loss of consciousness.

4.2 Inhaling:

Take the person out into the fresh air. In the event of suffocation, proceed to provide artificial respiration. In the event sickness persists, seek medical assistance.

4.3 Contact with the skin:

Wash with plenty of water. Remove contaminated clothing.

4.4 Eyes:

Wash with plenty of water (for at least 15 minutes), keeping eyelids open. Seek immediate medical assistance.

4.5 Swallowing:

Drink plenty of water, then drink milk. Induce vomiting. Seek medical assistance. Keep respiratory tracts clear. Clean injuries thoroughly with sterile material.

Fire-fighting means

5.1 Suitable fire-extinguishing means:

Water.

5.2 Fire-fighting means which must NOT be used:

5.3 Special risks:

Incombustible. Risk of explosion of dust. Encourages fire to break out. Keep away from combustible substances. In the event of fire, toxic fumes may form.

5.4 Protective equipment:

Measures to be taken in the event of accidental spillage

6.1 Individual precautions:

Do not inhale the dust.

6.2 Precautions for care of the environment:

Avoid pollution of the soil, water supplies and drains.

6.3 Methods for collection/cleaning:

Collect up dry and deposit in waste containers for subsequent elimination in accordance with current legislation. Clean any remains with plenty of water.

Handling and storage

7.1 Handling:

No special indications.

7.2 Storage:

Well sealed containers. Dry atmosphere.

Staff exposure/protection controls

8.1 Technical protective measures:

8.2 Exposure limit control:

VLA-ED(Cr(VI)): 0,05 mg/m³

8.3 Respiratory protection:

If dust forms, use suitable respiratory protection.

8.4 Hand protection:

Use suitable gloves

8.5 Eye protection:

Use suitable goggles.

8.6 Individual hygiene measures:

Remove contaminated clothing. Use suitable work clothing. Wash hands and face before breaks and when the job is done.

8.7 Environmental exposure controls:

Fulfill the commitments under local environmental protection legislation.

Physical and chemical properties

Appearance: solid

Colour: Yellow

Granulometry:

Odour: Odourless.

pH: 7 (50 g/l)

Melting point/freezing point:

Initial boiling point and boiling range:

Flash point:

Flammability (solid, gas):

Upper/lower flammability or explosive limits:

Vapour pressure:

Vapour density:

Relative density: 1,91

Solubility: 340 g/l water 20 °C

Partition coefficient: n-octanol/water:

Auto-ignition temperature:

Decomposition temperature: above 180 °C

Viscosity:

Stability and reactivity

10.1 Conditions which should be avoided:

10.2 Matter which should be avoided:

Reducing agents.

10.3 Hazardous decomposition products:

Ammonia.

10.4 Complementary information:

Risk of explosion of dust.

Toxicological information

- **Acute toxicity:**

- **Dangerous effects for health:**

If inhaled: Absorption Irritations to the respiratory tracts. Can cause perforations in the respiratory tracts allergic reaction Risk of pneumonia. Allergic reaction in nasal mucosae (perforation).
Carcinogenic in animal testing. Risk of sensitization Upon contact with the skin: burns Penetration of the product causes injuries which are hard to cure. Through contact with the eyes: burns
If swallowed: gastro-intestinal disorders Burns in the digestive apparatus spasms loss of consciousness cardiovascular failure pneumonia. Due to absorption: hepatic problems kidney problems metahemoglobinemia with headaches

Environmental information

12.1 Mobility:

12.2 Ecotoxicity:

12.1.1 - EC50 test (mg/l):

Fish 136 mg/l

Classification:

Highly toxic

12.2.2 - Receptor medium:

Risk for the water environment

High

Risk for the land environment

Medium

12.2.3 - Observations:

The ecotoxicity is due to the chrome ion.

12.3 Degradability:

12.3.1 - Test:

12.3.2 - Biotic degradation classification:

BOD5/COD

Biodegradability

12.3.3 - Abiotic degradation depending on pH:

12.3.4 - Observations:

12.4 Accumulation:

12.4.1 - Test:

12.4.2 - Bioaccumulation:

Risk

12.4.3 - Observations:

12.5 Other possible effects on the environment:

Do not allow it to enter soils or water channels.

High pollutant product.

Considerations regarding elimination

13.1 Substance or preparation:

In the European Union, there are no homogeneous standards established for elimination of chemical waste, which is waste of a special nature, and treatment and elimination of same is subject to the domestic legislation in each country.

In view of this, in each case, you should contact the competent authority or those companies legally authorized for elimination of waste.

2001/573/EC: Council Decision of 23 July 2001 amending Commission Decision 2000/532/EC as regards the list of wastes. Council Directive 91/156/EEC of 18 March 1991 amending Directive 75/442/EEC on waste.

13.2 Contaminated containers:

Contaminated containers and packaging of dangerous substances or preparations must be treated in the same manner as the actual products contained in them.

European Parliament and Council Directive 94/62/EC of 20 December 1994 on packaging and packaging waste.

Information concerning transport

Overland (ADR):

Technical name: OXIDIZING SOLID, N.O.S.

UN 1479 Class: 5.1 CONTAM. MAR PELIG.M.AMB Packaging group: II (E)

By sea (IMDG):

Technical name: OXIDIZING SOLID, N.O.S.

UN 1479 Class: 5.1 CONTAM. MAR PELIG.M.AMB Packaging group: II

By air (ICAI-IATA):

Technical name: Oxidizing solid, n.o.s.

UN 1479 Class: 5.1 CONTAM. MAR PELIG.M.AMB Packaging group: II

Packaging instructions: CAO 511 PAX 508

Regulatory information

Other information

Other precautionary statements

P281 Use personal protective equipment as required.

P302+P352 IF ON SKIN: Wash with plenty of soap and water.

P308+P313 IF exposed or concerned: Get medical advice/attention.

P321 Specific treatment (see on this label).

P333+P313 If skin irritation or rash occurs: Get medical advice/attention.

P363 Wash contaminated clothing before reuse.

P391 Collect spillage.

P405 Store locked up.

P501 Dispose of contents/container according to Directive 94/62/CE or 2008/98/CE.

Labelling (65/548/CEE or 1999/45/CE)

R-phrase(s):	<p>R50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.</p> <p>R43 May cause sensitisation by skin contact.</p> <p>R49 May cause cancer by inhalation.</p>
S-phrase(s):	<p>S61 Avoid release to the environment. Refer to special instructions/safety data sheets.</p> <p>S60 This material and its container must be disposed of as hazardous waste.</p> <p>S45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).</p> <p>S53 Avoid exposure - obtain special instructions before use.</p>

Review number and date: 3 3.11.10

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In respect of the previous review, changes have been made to the following sections: 2, 3, 15
The information included in this Safety Data Sheet is based on our most up-to-date knowledge, and is solely intended to inform regarding aspects of safety; the properties and characteristics indicated herein are not guaranteed.