



SAFETY DATA SHEET

AMMONIUM BICARBONATE

1 IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY/UNDERTAKING

PRODUCT NAME: AMMONIUM BICARBONATE

PRODUCT NO: RM219

SYNONYMS, TRADE NAMES: AMMONIUM HYDROGEN BICARBONATE, AMMONIUMVÄTEKARBONAT, COATED KVALITET E503 (ii) FG, AMMONIUM BICARBONATE (H) FCC ED.7, AMMONIUM BICARBONATE (F) FCC ED.7, AMMONIUM BICARBONATE (SH) FCC ED.7, AMMONIUM BICARBONATE H E503

SUPPLIER J M Loveridge Ltd
Unit 5, Kingsway
Walworth Industrial Estate, Andover
Hampshire, SP10 5LQ
+44 (0) 1264 367610
+44 (0) 1264 351761
Mr. S Knight – admin@jmloveridge.com

EMERGENCY CONTACT NUMBER:

2 HAZARDS IDENTIFICATION

CLASSIFICATION OF THE SUBSTANCE OR MIXTURE

CLASSIFICATION (EC/1272/2008)

Physical hazards	Not classified
Health hazards	Acute Tox. 4 – H302
Environmental hazards	Not Classified
Classification (67/548/EEC or 1999/45/EC)	Xn;R22

LABEL ELEMENTS

EC number	213-911-5
Pictogram	



Signal word	Warning
Hazard statements	H302 Harmful if swallowed.

Precautionary statements P264 Wash contaminated skin thoroughly after handling.
P301+P312 IF SWALLOWED: Call a POISON CENTER/ doctor if you feel unwell.
P501 Dispose of contents/container in accordance with national regulations.

OTHER HAZARDS

None.

3 COMPOSITION/INFORMATION ON INGREDIENTS

SUBSTANCES

Product name	AMMONIUM BICARBONATE
REACH registration number	01-2119486970-26-XXXX
CAS number	1066-33-7
EC number	213-911-5

4 FIRST - AID MEASURES

DESCRIPTION OF FIRST AID MEASURES

INHALATION

Move affected person to fresh air at once. Get medical attention if any discomfort continues.

INGESTION

Move affected person to fresh air and keep warm and at rest in position comfortable for breathing. Rinse mouth thoroughly with water. Give plenty of water to drink. Get medical attention if any discomfort continues.

SKIN CONTACT

Remove contaminated clothing immediately and wash skin with soap and water.

EYE CONTACT

Rinse immediately with plenty of water. Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes.

MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED

INGESTION

May cause discomfort if swallowed.

INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED

NOTES FOR THE DOCTOR

No specific recommendations.

5 FIRE-FIGHTING MEASURES

EXTINGUISHING MEDIA

SUITABLE EXTINGUISHING MEDIA

The product is not flammable. Use fire-extinguishing media suitable for the surrounding fire.

SPECIAL HAZARDS ARISING FROM THE SUBSTANCE OR MIXTURE

SPECIFIC HAZARDS

Ammonia or amines. Oxides of the following substances: Carbon.

ADVICE FOR FIREFIGHTERS

SPECIAL PROTECTIVE EQUIPMENT FOR FIREFIGHTERS

Wear positive-pressure self-contained breathing apparatus (SCBA) and the appropriate protective clothing.

6 ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES

PERSONAL PRECAUTIONS

Wear protective clothing as described in section 8 of this safety data sheet.

ENVIRONMENTAL PRECAUTIONS

ENVIRONMENTAL PRECAUTIONS

Spillages or uncontrolled discharges into watercourses must be reported immediately to the Environmental Agency or other appropriate regulatory body.

METHODS AND MATERIAL FOR CONTAINMENT AND CLEANING UP

METHODS FOR CLEANING UP

Remove spillage with vacuum cleaner. If not possible, collect spillage with shovel, broom or the like. Flush contaminated area with plenty of water. Collect and place in suitable waste disposal containers and seal securely. For waste disposal, see Section 13.

REFERENCE TO OTHER SECTIONS

REFERENCE TO OTHER SECTIONS

Wear protective clothing as described in Section 8 of this safety data sheet.

7 HANDLING AND STORAGE

PRECAUTIONS FOR SAFE HANDLING

USAGE PRECAUTIONS

Avoid contact with skin and eyes. Provide adequate ventilation.

CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES

STORAGE PRECAUTIONS

Keep container tightly closed. Keep only in the original container.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

CONTROL PARAMETERS

INGREDIENT COMMENTS

No exposure limits known for ingredient (s).

EXPOSURE CONTROLS

PROTECTIVE EQUIPMENT**EYE/FACE PROTECTION**

The following protection should be worn: Chemical splash goggles.

HAND PROTECTION

It is recommended that gloves are made of the following material: Polyvinyl chloride (PVC).

OTHER SKIN AND BODY PROTECTION

Wear rubber apron. Wear rubber footwear.

RESPIRATORY PROTECTION

If ventilation is inadequate, suitable respiratory protection must be worn.

9 PHYSICAL AND CHEMICAL PROPERTIES

INFORMATION ON BASIC PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Crystalline powder.
Colour	White.
Odour	Ammonia.
pH	pH (diluted solution): 7.6 @ 10%
Vapour pressure	79 mbar @ °C
Relative density	1.58
Solubility(ies)	Soluble in water.
Partition coefficient	: -2.4

OTHER INFORMATION

OTHER INFORMATION

Not determined.

10 STABILITY AND REACTIVITY

REACTIVITY

REACTIVITY

The following materials may react with the product: Acids. Alkalis.

CHEMICAL STABILITY

STABILITY

Stable at normal ambient temperatures and when used as recommended.

POSSIBILITY OF HAZARDOUS REACTIONS**POSSIBILITY OF HAZARDOUS REACTIONS**

Not determined.

CONDITIONS TO AVOID**CONDITIONS TO AVOID**

Avoid excessive heat for prolonged periods of time.

INCOMPATIBLE MATERIALS**MATERIALS TO AVOID**

Strong acids. Strong alkalis.

HAZARDOUS DECOMPOSITION PRODUCTS**HAZARDOUS DECOMPOSITION PRODUCTS**

Ammonia or amines. Oxides of the following substances: Carbon.

11 TOXICOLOGICAL INFORMATION

INFORMATION ON TOXICOLOGICAL EFFECTS**ACUTE TOXICITY – ORAL**

ACUTE TOXICITY ORAL (LD₅₀ mg/kg) 1,576.0

SPECIES Rat

ATE ORAL (mg/kg) 1,576.0

SKIN CORROSION/IRRITATION

SKIN CORROSION/IRRITATION No information available.

SERIOUS EYE DAMAGE/IRRITATION

SERIOUS EYE DAMAGE/IRRITATION No information available.

RESPIRATORY SENSITISATION

RESPIRATORY SENSITISATION No information available.

SKIN SENSITISATION

SKIN SENSITISATION No information available.

GERM CELL MUTAGENICITY

GENOTOXICITY –IN VITO No information available.

CARCINOGENICITY

CARCINOGENICITY No information available.

REPRODUCTIVE TOXICITY

REPRODUCTIVE TOXICITY – FERTILITY No information available.

SPECIFIC TARGET ORGAN TOXICITY – SINGLE EXPOSURE

STOT – SINGLE EXPOSURE No information available.

SPECIFIC TARGET ORGAN TOXICITY –REPEATED EXPOSURE

STOT – REPEATED EXPOSURE No information available.

ASPIRATION HAZARD

ASPIRATION HAZARD Not available.

INHALATION Irritating to respiratory system.

INGESTION Harmful if swallowed.

SKIN CONTACT Irritating to skin.

EYE CONTACT Irritating to eyes.

12 ECOLOGICAL INFORMATION

ECOTOXICITY

The product components are not classified as environmentally hazardous. However, large or frequent spills may have hazardous effects on the environment.

TOXICITY

Acute toxicity – fish LC₅₀, 96 HOURS: 102 MG/L, Fish

PERSISTENCE AND DEGRADABILITY

PERSISTENCE AND DEGRADABILITY
The product is biodegradable.

BIOACCUMULATIVE POTENTIAL

Partition coefficient :-2.4

MOBILITY IN SOIL

MOBILITY
The product is soluble in water.

RESULTS OF PBT AND vPvB ASSESSMENT

RESULTS OF PBT AND vPvB Not applicable.

OTHER ADVERSE EFFECTS

OTHER ADVERSE EFFECTS
Not determined.

13 DISPOSAL CONSIDERATIONS

WASTE TREATMENT METHODS

GENERAL INFORMATION

Waste should be treated as controlled waste.

DISPOSAL METHODS

Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

14 TRANSPORT INFORMATION

GENERAL

The product is not covered by international regulations on the transport of dangerous goods (IMDG, IATA, ADR/RID).

UN NUMBER

No information required.

UN PROPER SHIPPING NAME

No information required.

TRANSPORT HAZARD CLASS (ES)

No information required.

PACKING GROUP

No information required.

ENVIRONMENTAL HAZARDS

ENVIRONMENTALLY HAZARDOUS SUBSTANCE/MARINE POLLUTANT

No.

SPECIAL PRECAUTIONS FOR USER

No information required.

TRANSPORT IN BULK ACCORDING TO ANNEX II OF MARPOL73/78 AND THE IBC CODE

TRANSPORT IN BULK ACCORDING TO ANNEX II OF MARPOL73/78 AND THE IBC CODE

No information required.

15 REGULATORY INFORMATION

SAFETY, HEALTH AND ENVIRONMENTAL REGULATIONS/LEGISLATION SPECIFIC FOR SUBSTANCE OR MIXTURE

EU LEGISLATION

Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) (as amended).

Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures (as amended).

Commission Regulation (EU) No 453/2010 of 20 May 2010.

CHEMICAL SAFETY ASSESSMENT

No chemical safety assessment has been carried out.

16 OTHER INFORMATION

RISK PHRASES IN FULL R22 Harmful if swallowed

HAZRAD STATEMENTS IN FULL H302 Harmful if swallowed.

DISCLAIMER

The foregoing data has been compiled for safety information only and does not form part of any selling specification. Information contained in this SDS is to the best of JML's knowledge correct at the time of publication. However, no guarantee is given to its accuracy, reliability or completeness and the information may not be valid if the product is used in combination with other materials or process. It is the responsibility of the user to ensure that the product which they have selected is entirely suitable for their purpose under their conditions of use and in compliance with current regulatory requirements.