

ADDCON

SAFETY DATA SHEET

AMMONIUM BICARBONATE, COATED QUALITY

ADDCON

1. Identification of the substance/preparation and of the company/undertaking

Date issued	05.12.2007
Product name	AMMONIUM BICARBONATE, COATED QUALITY
Chemical name	ammonium bicarbonate (1:1)
Synonyms	acid ammonium carbonate; ammonium carbonate; ammonium hydrogen carbonate;
Formula	C-H2-O3.H3-N
Use of the substance/preparation	Food additive.

Producer

Company name	ADDCON Nordic AS
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2. Hazards identification

Description of hazard	Harmful if swallowed.
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3. Composition/information on ingredients

Component name	Identification	Classification	Contents
ammonium bicarbonate (1:1)	CAS no.: 1066-33-7 EC no.: 213-911-5	Xn; R22	99.4 %
Magnesium carbonate	CAS no.: 546-93-0		0.6 %
Column headings	CAS no. = Chemical Abstracts Service; EU (Einecs or Elincs number) = European inventory of Existing Commercial Chemical Substances; Ingredient name = Name as specified in the substance list (substances that are not included in the substance list must be translated, if possible). Contents given in; %, %wt/wt, %vol/wt, %vol/vol, mg/m3, ppb, ppm, weight%, vol%		
HH/HF/HE	T+ = Very toxic, T = Toxic, C = Corrosive, Xn = Harmful, Xi = Irritating, E = Explosive, O = Oxidizing, F+ = Extremely flammable, F = Very flammable, N = Environmental hazard		
Component comments	See section 16 for the full text of the R Phrases declared above.		

4. First-aid measures

Inhalation	Avoid breathing dust. If inhaled, remove to fresh air.
Skin contact	Avoid prolonged or repeated contact with skin. After handling, always wash

	hands thoroughly with soap and water. Get medical attention if irritation develops.
Eye contact	In case of contact with eyes, rinse immediately with a copious amount of water. Get medical attention if irritation occurs.
Ingestion	Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. If large quantities of this material are swallowed, call a physician immediately.

5. Fire-fighting measures

Suitable extinguishing media	In case of fire, use water spray (fog), foam or dry chemicals.
Fire and explosion hazards	These products are carbon oxides (CO, CO ₂), nitrogen oxides (NO, NO ₂ ...).
Personal protective equipment	Fire-fighters should wear self-contained positive pressure breathing apparatus (SCBA) and full turnout gear.

6. Accidental release measures

Personal precautions	Use suitable protective equipment (Section 8). Follow all fire fighting procedures (Section 5).
Environmental precautions	Minimise contact of spilled material with soils to prevent runoff to surface waterways.
Methods for cleaning	Use a tool to scoop up solid or absorbed material and place into appropriate labelled waste container. Absorb with dry earth, sand or other noncombustible material. Avoid creating dusty conditions and prevent wind dispersal. Keep out of waterways. See Section 13 for Waste Disposal Information.

7. Handling and storage

Handling	Do not ingest. Wash thoroughly after handling.
Storage	Store and use away from heat, sparks, open flame, or any other ignition source. Avoid contact with combustible materials.

8. Exposure controls/personal protection

Exposure limit values

Component name	Identification	Value	Year
Respirable dust		8 h.: 5 mg/m ³	2003
Total inhalable dust		8 h.: 10 mg/m ³	2003
Magnesium carbonate	CAS no.: 546-93-0		

Exposure controls

Respiratory protection	Use a properly fitted, particulate filter respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.
Hand protection	Chemical-resistant, impervious gloves or gauntlets complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary.
Eye protection	Use dust goggles if high dust concentration is generated.
Skin protection (other than of the hands)	Personal protective equipment for the body should be selected based on the task being performed and the risks involved.

9. Physical and chemical properties

Physical state	Solid.
Odour	Ammoniacal. (Slight.)
Colour	White

Solubility description	Soluble in cold water.
Solubility in water	Soluble in cold water.
Specific gravity	Value: 1.586
Melting point/melting range	Value: 107.85 °C Comments: (226.1°F)
Boiling point	Comments: Decomposes.
pH (aqueous solution)	Value: 7.6 Comments: (Conc. (% w/w): 10)

10. Stability and reactivity

Hazardous decomposition products	These products are carbon oxides (CO, CO ₂), nitrogen oxides (NO, NO ₂ ...).
Stability	The product is stable.

11. Toxicological information

Other information regarding health hazards

Inhalation	Adverse health effects are considered unlikely, when the product is used according to directions.
Skin contact	Adverse health effects are considered unlikely, when the product is used according to directions.
Eye contact	Adverse health effects are considered unlikely, when the product is used according to directions.
Ingestion	Harmful if swallowed.

12. Ecological information

Toxicological Information:

Acute aquatic, fish	Value: 17.3 mg/l Fish, species: Oncorhynchus mykiss Duration: 96 hour(s)
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Other ecological information

Environmental details, conclusion	The product is not expected to harm the environment when used properly according to directions.
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13. Disposal considerations

Product classified as hazardous waste	No
Packaging classified as hazardous waste	No
Other Information	Empty containers or liners may retain some product residues. Do not empty into drains; dispose of this material and its container in a safe way. Dispose of in accordance with all applicable local and national regulations.

14. Transport information

Other applicable information.	Not regulated.
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15. Regulatory information

Hazard symbol



Harmful

Composition on the label	ammonium bicarbonate (1:1): 99.4 %, Magnesium carbonate: 0.6 %
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R phrases	R22 Harmful if swallowed.
S phrases	S2 Keep out of the reach of children.
Other annotations	Classification and labelling have been performed according to EU directives 67/548/EEC, 1999/45/EC, including amendments and the intended use.
EINECS/ELINCS	213-911-5

16. Other information

List of relevant R phrases (under headings 2 and 3).	R22 Harmful if swallowed.
Information which has been added, deleted or revised	Replacer version of 29.09.2005, revised on chapter: 1.
Supplier's notes	<p>To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein.</p> <p>Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.</p>
Responsible for safety data sheet	ADDCON Nordic AS