

Product name: **Ammonium Bicarbonate type F (BASF)**

Creation date: **09.01.2025**, Revision: **10.01.2025**, Version: **1.0**

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier

Product name

Ammonium Bicarbonate type F (BASF)

Product code

SDS_2024_0018

UFI:

FNDQ-EFG3-T00Y-S9H3



<https://my.chemius.net/p/6lK4rY/en/pd/en>

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

Relevant identified uses

Food additive.

Uses advised against

No information.

1.3 Details of the supplier of the safety data sheet

Supplier

Life SUPPLIES NV
Industrielaan 25
2250 Olen, Belgium
+32 (0)14 / 57 81 00
productmaster@ravagochemicals.com
quality@life-supplies.com
prevention@life-supplies.com

1.4 Emergency Telephone Number

Emergency

111

Supplier

+32 (0)495 21 39 76 (9h-17h)
Contact email : during office hours (9h-17h) quality@life-supplies.com / prevention@life-supplies.com

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 (CLP)

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Acute Tox. 4; H302 Harmful if swallowed.

2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008 (CLP)



Signal word: **WARNING**

H302 Harmful if swallowed.

P264 Wash contaminated skin thoroughly after handling.

P270 Do not eat, drink or smoke when using this product.

P301 + P312 IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell.

P330 Rinse mouth.

P501 Dispose of contents/container to hazardous or special waste collection point.

Contains:

ammonium hydrogencarbonate

2.3 Other hazards

PBT/vPvB

The substance is not classified as persistent, toxic, or a substance that can accumulate (PBT) or very persistent and very bioaccumulative (vPvB) substance.

Endocrine disrupting properties

The substance is not included in the list of substances with endocrine disrupting properties established in accordance with Article 59 of the REACH Regulation. The substance is not identified as a substance with endocrine disrupting properties according to the criteria of Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605.

Additional information

No information.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances

For mixtures see 3.2.

3.2 Mixtures

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Name	CAS EC Index REACH	%	Classification according to Regulation (EC) No 1272/2008 (CLP)	Specific Concentration Limits	Notes for substances
ammonium hydrogencarbonate	1066- 33-7 213- 911-5 -	$\geq 99 - \leq 100$	Acute Tox. 4; H302	/	/

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures

General notes

Never give anything by mouth to an unconscious person. Place patient in recovery position and ensure airway patency. When in doubt or if feeling unwell seek medical assistance. Show the safety data sheet and label to the physician.

Following inhalation

Remove patient to fresh air - move out of dangerous area. Keep at rest in a position comfortable for breathing. Obtain professional medical help!

Following skin contact

Take off all contaminated clothing. Wash affected skin areas immediately with plenty of water and soap. Consult a physician.

Following eye contact

Immediately flush eyes with running water, keeping eyelids apart. Seek medical help.

Following ingestion

Rinse mouth with water and drink 2-3 dl water in sips. Consult a physician.

4.2 Most important symptoms and effects, both acute and delayed

Following inhalation

Breathing dust can irritate the respiratory tract. Coughing, sneezing, nasal discharge, labored breathing.

Following skin contact

Contact with skin may cause irritation (redness, itching).

Following eye contact

Contact with eyes can cause irritation (redness, tearing, pain).

Following ingestion

May cause nausea/vomiting and diarrhea. May cause abdominal discomfort. Harmful to health.

4.3 Indication of any immediate medical attention and special treatment needed

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In case of inhalation of decomposition products in a fire, symptoms may be delayed. Pulmonary edema prophylaxis. Treat symptomatically. Decontamination. Provide and maintain vital functions. There is no specific antidote. Treat with corticosteroid spray as soon as possible after inhalation.

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing media

Water spray.
Carbon dioxide (CO₂).
Foam.

Unsuitable extinguishing media

Full water jet.

5.2 Special hazards arising from the substance or mixture

Hazardous combustion products

In case of a fire toxic gases can be generated; do not inhale gases/smoke. Carbon oxides.
Ammonia.

5.3 Advice for firefighters

Protective actions

The product is not combustible. In case of fire or heating do not breathe fumes/vapours. No action shall be taken involving any personal risk or without suitable training. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Special protective equipment for fire-fighters

Firefighters should wear appropriate protective clothing for firefighters (including helmets, protective boots and gloves) (BS EN 469) and self-contained breathing apparatus (SCBA) with a full face-piece (BS EN 137).

Additional information

No information.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

Protective equipment

Wear suitable protective equipment; see Section 8.

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Precautionary measures

Ensure adequate ventilation.

Emergency procedures

No action shall be taken involving any personal risk or without suitable training. Prevent access to unprotected personnel. Evacuate the danger zone. Avoid breathing dust. Avoid contact with skin, eyes and clothing.

For emergency responders

Use personal protective equipment.

6.2 Environmental precautions

Do not allow product to reach water/drains/sewage systems or permeable soil. If accidental large entry into water or ground occurs, inform responsible authorities.

6.3 Methods and material for containment and cleaning up

For containment

Close the source of the release only if it is without risk.

For cleaning up

Take up mechanically and collect in suitable container and dispose according to current regulations.

Other information

No information.

6.4 Reference to other sections

See also sections 8 and 13.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling

Protective measures

Measures to prevent fire

Ensure adequate ventilation. Protect from heat. Closed container exposed to heat and fire can cause increased pressure and explosion.

Measures to prevent aerosol and dust generation

Prevent dust formation. Provide vacuuming if dust raised.

Measures to protect the environment

Do not allow undiluted product or large quantities of it to reach ground water, water bodies or sewage system.

Other measures

No information.

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Advice on general occupational hygiene

Ensure adequate ventilation. Handle in accordance with good industrial hygiene and safety procedures. Wash hands before breaks and at the end of work and use cream to protect the skin. Do not eat, drink or smoke while working. Avoid contact with skin, eyes and clothes. Avoid breathing dust.

7.2 Conditions for safe storage, including any incompatibilities

Technical measures and storage conditions

Store in accordance with local regulations. Keep away from nitrites. Store away from alkaline substances. Storage and transport only combined with food materials or food additives. Separate from flavoring agents. Store away from strong acids. Store away from strong bases. Keep in tightly closed container. Keep in a cool, dry and well ventilated place. Changes in the properties of the product may occur if substance/product is stored below indicated temperature for extended periods of time.

Packaging materials

HDPE (high density polyethylene) Low density polyethylene (LDPE). Stainless steel 1.4541. Stainless steel 1.4571.

Requirements for storage rooms and vessels

Close opened containers after use. Put the containers upright to prevent from leaking. Do not store in unlabelled containers.

Storage temperature

< 30 °C

Storage class

No information.

Further information on storage conditions

No information.

7.3 Specific end use(s)

Recommendations

See attached exposure scenarios.

Industrial sector specific solutions

No information.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

Occupational Exposure limit values

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Name	mg/m ³	ml/m ³	Short-term value mg/m ³	Short-term value ml/m ³	Remark	Biological Tolerance Values
Ammonia, anhydrous (7664-41-7)	18	25	25	35	/	/
Carbon dioxide (124-38-9)	9150	5000	27400	15000	/	/

Information on monitoring procedures

BS EN 14042:2003 Workplace atmospheres. Guide for the application and use of procedures for the assessment of exposure to chemical and biological agents. BS EN 689:2018 Workplace exposure. Measurement of exposure by inhalation to chemical agents. Strategy for testing compliance with occupational exposure limit values. BS EN 482:2021 Workplace exposure. Procedures for the determination of the concentration of chemical agents. Basic performance requirements.

DNEL/DMEL values

For product
No information.

For components

Name	Type	Exposure route	exp. frequency	Remark	Value
ammonium hydrogencarbonate	Worker	inhalation	long term systemic effects	/	62.5 mg/m ³
ammonium hydrogencarbonate	Worker	inhalation	short term systemic effects	/	160.7 mg/m ³
ammonium hydrogencarbonate	Worker	inhalation	long term local effects	/	62.5 mg/m ³
ammonium hydrogencarbonate	Worker	inhalation	short term local effects	/	160.7 mg/m ³
ammonium hydrogencarbonate	Worker	dermal	long term systemic effects	/	57 mg/kg bw/day
ammonium hydrogencarbonate	Consumer	inhalation	long term systemic effects	/	13.33 mg/m ³
ammonium hydrogencarbonate	Consumer	inhalation	short term systemic effects	/	143.91 mg/m ³
ammonium hydrogencarbonate	Consumer	inhalation	long term local effects	/	13.33 mg/m ³
ammonium hydrogencarbonate	Consumer	inhalation	short term local effects	/	143.91 mg/m ³
ammonium hydrogencarbonate	Consumer	dermal	long term systemic effects	/	34.2 mg/kg bw/day

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Name	Type	Exposure route	exp. frequency	Remark	Value
ammonium hydrogencarbonate	Consumer	oral	long term systemic effects	/	17.1 mg/kg bw/day
ammonium hydrogencarbonate	Consumer	oral	short term systemic effects	/	34.05 mg/kg bw/day

PNEC values**For product**

No information.

For components

Name	Exposure route	Remark	Value
ammonium hydrogencarbonate	fresh water	/	0.37 mg/L
ammonium hydrogencarbonate	water, intermittent release	/	0.63 mg/L
ammonium hydrogencarbonate	marine water	/	0.037 mg/L
ammonium hydrogencarbonate	water treatment plant	/	1347 mg/L
ammonium hydrogencarbonate	fresh water sediment	dry weight	0.133 mg/kg
ammonium hydrogencarbonate	marine water sediment	dry weight	0.013 mg/kg
ammonium hydrogencarbonate	soil	dry weight	74.9 mg/kg

8.2 Exposure controls**Appropriate engineering control****Substance/mixture related measures to prevent exposure during identified uses**

Use good personal hygiene practices – wash hands at breaks and when done working with material. Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes and clothes. Do not eat, drink or smoke while working. Do not breathe dust. Treat subsequently with skin cream.

Structural measures to prevent exposure

No information.

Organisational measures to prevent exposure

Remove all contaminated clothes immediately and wash them before reuse.

Technical measures to prevent exposure

Provide good ventilation and local exhaust in areas with increased concentration. Keep away from food, drink and animal feeding stuffs.

Personal protective equipment**Eye and face protection**

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Tight fitting protective goggles (BS EN ISO 16321-1:2022).

Hand protection

Protective gloves (BS EN ISO 374). The specifications are based on tests, literature data and information of glove manufacturers or are derived from similar substances by analogy. Due to many conditions (e.g. temperature) it must be considered, that the practical usage of a chemical-protective glove in practice may be much shorter than the permeation time determined through testing. Adhere to the manufacturer's instructions for use because of the great number of glove types.

Appropriate materials

Material	Thickness	Penetration Time	Remark
nitrile rubber	0.4 mm	> 480 min	level 6
CR	0.5 mm	> 480 min	level 6
Butyl rubber	0.7 mm	> 480 min	level 6

Skin protection

Choose body protection according to the activity and possible exposure. Cotton protective clothing and shoes that cover the entire foot (BS EN ISO 20345:2022+A1:2024). Working clothes resistant to dust (BS EN ISO 13982-1). At high risk of skin exposure chemical suits (BS EN 13034:2005+A1:2009) and boots may be required (BS EN ISO 20345:2022+A1:2024).

Respiratory protection

At elevated concentrations of vapours/ aerosols wear mask (BS EN EN 136) with filter ABEK-P3 (BS EN EN 14387). For dust/gas/ vapor concentrations above the applicable filter limit, in case of oxygen concentrations below 17% or in vague conditions, autonomous self-contained breathing apparatus should be used, according to standard BS EN 137, BS EN 138.

Thermal hazards

No information.

Environmental exposure controls

Substance/mixture related measures to prevent exposure

No information.

Instruction measures to prevent exposure

No information.

Organisational measures to prevent exposure

No information.

Technical measures to prevent exposure

Do not allow product to reach drains, sewage systems or ground water.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

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9.1 Information on basic physical and chemical properties

Important health, safety and environmental information

Physical state	solid
Shape	crystalline powder
Colour	white
Odour	like ammonia
Odour threshold	No information.
Melting/freezing point	Decomposes before melting.
Boiling point or initial boiling point and boiling range	No information.
Flammability	Not flammable.
Lower and upper explosion limit	No information.
Flash point	No information.
Auto-ignition temperature	Not self-igniting.
Decomposition temperature	> 30 °C
pH	7.7 at 20 °C, conc. 10 %
Viscosity	No information.
Solubility (Water)	220 g/l at 20 °C
Partition coefficient n-octanol/water (log value)	-2.4 at 25 °C, pH 7.7
Vapour pressure	79 hPa at 25.4 °C 526 hPa at 50 °C 1086 hPa at 59.25 °C
Density	1.58 g/cm ³ at 20 °C
Bulk density	ca. 850 kg/m ³
Relative vapour/gas density	No information.

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size distribution**

250 — 400 µm (D50)

9.2 Other information

Information with regard to physical hazard classes

**Explosive
properties**

Product is not explosive.

Other safety characteristics

No information.

Other information

pKA: 6.49 (20 °C) (OECD 112)

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity

The product is not reactive under normal conditions of use, storage and transport.

10.2 Chemical stability

Product is stable under normal conditions of use, recommended handling and storage conditions.

10.3 Possibility of hazardous reactions

Exothermic reaction with alkalis. Exothermic reaction with acids. Reacts with nitrates. Reacts with nitrites.

10.4 Conditions to avoid

Avoid contact with incompatible materials. Heating.

10.5 Incompatible materials

Sodium nitrate.

Nitrates.

Nitrites.

Strong bases.

Strong acids.

10.6 Hazardous decomposition products

Under normal use conditions no hazardous decomposition products are expected. In case of fire/explosion vapours/gases that pose a health hazard are released. See also section 5.2.

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SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

(a) Acute toxicity

For components

Name	Exposure route	Type	Species	Time	Value	Method	Remark
ammonium hydrogencarbonate	oral	LD ₅₀	rat	/	ca. 1576 mg/kg	/	/
ammonium hydrogencarbonate	inhalation	LC ₅₀	rat	/	> 4.74 mg/L/4h	/	/
ammonium hydrogencarbonate	dermal	LD ₅₀	rat	/	> 2000 mg/kg	/	/

Additional information

Harmful if swallowed.

(b) Skin corrosion/irritation

For components

Name	Species	Time	result	Method	Remark
ammonium hydrogencarbonate	/	/	Non-irritant.	OECD 431	/

Additional information

The product is not classified as irritating to the skin.

(c) Serious eye damage/irritation

No information.

Additional information

The product is not classified as an irritant to the eyes.

(d) Respiratory or skin sensitisation

For components

Name	Exposure route	Species	Time	result	Method	Remark
ammonium hydrogencarbonate	dermal	guinea pig	/	Non sensitising.	/	/

Additional information

The product is not classified as sensitising.

(e) (Germ cell) mutagenicity

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For components

Name	Type	Species	Time	result	Method	Remark
ammonium hydrogencarbonate	/	Bacteria	/	Negative.	/	/
ammonium hydrogencarbonate	/	Cell: Mammalian-Animal	/	Negative.	/	/

(f) Carcinogenicity

No information.

(g) Reproductive toxicity

No information.

Summary of evaluation of the CMR properties

The product is not classified as carcinogenic, mutagenic or toxic for reproduction.

(h) STOT-single exposure

No information.

Additional information

STOT SE (single exposure): Not classified.

(i) STOT-repeated exposure

No information.

Additional information

STOT RE (repeated exposure): Not classified.

(j) Aspiration hazard

No information.

Symptoms related to the physical, chemical and toxicological characteristics

No information.

Interactive effects

No information.

11.2 Information on other hazards

Endocrine disrupting properties

For product

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The substance is not included in the list of substances with endocrine disrupting properties established in accordance with Article 59 of the REACH Regulation. The substance is not identified as a substance with endocrine disrupting properties according to the criteria of Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605.

Other information

No information.

SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity

Acute (short-term) toxicity

For components

Name	Type	Value	Exposure time	Species	Organism	Method	Remark
ammonium hydrogencarbonate	LC ₅₀	63.4 mg/L	96 h	fish	<i>Oncorhynchus mykiss</i>	/	flow-through
ammonium hydrogencarbonate	EC ₅₀	145.6 mg/L	48 h	crustacea	<i>Daphnia magna</i>	/	static system
ammonium hydrogencarbonate	EC ₁₀	1347 mg/L	16 h	bacteria	<i>Pseudomonas putida</i>	DIN 38412/part 8	/

Chronic (long-term) toxicity

For components

Name	Type	Value	Exposure time	Species	Organism	Method	Remark
ammonium hydrogencarbonate	EC50	ca. 1900 mg/l	120 h	algae	<i>Chlorella vulgaris</i>	/	/
ammonium hydrogencarbonate	EC50	3231 mg/l	18 days	algae	<i>Chlorella vulgaris</i>	/	/
ammonium hydrogencarbonate	EC ₁₀	6.3 mg/l	30 days	fish	<i>Lepomis macrochirus</i>	/	flow-through
ammonium hydrogencarbonate	EC ₁₀	3.7 mg/l	70 days	crustacea	<i>Daphnia magna</i>	/	semi-static system

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Name	Type	Value	Exposure time	Species	Organism	Method	Remark
ammonium hydrogencarbonate	LC ₅₀	241 mg/kg	14 days	terrestrial non-mammals	<i>Eisenia fetida</i>	/	/

12.2 Persistence and degradability

Abiotic degradation, physical- and photo-chemical elimination

No information.

Biodegradation

No information.

12.3 Bioaccumulative potential

Partition coefficient n-octanol/water (log value)

For product

Value	Temperature °C	pH	Concentration	Method
-2.4	25	7.7	/	/

Bioconcentration factor (BCF)

For components

Name	Species	Organism	Value	Duration	Evaluation	Method	Remark
ammonium hydrogencarbonate	/	/	/	/	Bioaccumulation is not expected.	/	/

12.4 Mobility in soil

Known or predicted distribution to environmental compartments

No information.

Surface tension

No information.

Adsorption/Desorption

No information.

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12.5 Results of PBT and vPvB assessment

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

12.6 Endocrine disrupting properties

For product

The mixture does not contain substances that are included in the list of substances with endocrine disrupting properties established in accordance with Article 59 of the REACH Regulation, in a concentration ≥ 0.1 w/w %. The mixture does not contain substances identified as substances with endocrine disrupting properties according to the criteria of Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605, in a concentration ≥ 0.1 w/w %.

12.7 Other adverse effects

No information.

12.8 Additional information

For product

Harmful to aquatic organisms. The inhibition of the degradation activity of activated sludge is not anticipated when introduced to biological treatment plants in appropriate low concentrations. Acutely harmful for aquatic organisms. No inhibition of activated sludge.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Product / Packaging disposal

Waste chemical

Dispose of in accordance with applicable waste disposal regulation. Do not allow product to reach drains/sewage systems. Disposal must be made according to official regulations: deliver it to authorised collector/remover/transformer of hazardous waste.

Waste codes / waste designations according to LoW

No information.

Packaging

Dispose of in accordance with applicable waste disposal regulation. Deliver completely emptied containers to approved waste disposal authorities. Uncleaned containers are classified as hazardous waste - they should be handled in the same manner as the contents.

Waste codes / waste designations according to LoW

No information.

Waste treatment-relevant information

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No information.

Sewage disposal-relevant information
No information.

Other disposal recommendations
No information.

SECTION 14: TRANSPORT INFORMATION

ADR/RID	IMDG	IATA	ADN
14.1 UN number or ID number			
Not dangerous according to transport regulations.	Not dangerous according to transport regulations.	Not dangerous according to transport regulations.	Not dangerous according to transport regulations.
14.2 UN proper shipping name			
Not given/not applicable	Not given/not applicable	Not given/not applicable	Not given/not applicable
14.3 Transport hazard class(es)			
Not given/not applicable	Not given/not applicable	Not given/not applicable	Not given/not applicable
14.4 Packing group			
Not given/not applicable	Not given/not applicable	Not given/not applicable	Not given/not applicable
14.5 Environmental hazards			
NO	NO	NO	NO
14.6 Special precautions for user			
Limited quantities Not given/not applicable	Limited quantities Not given/not applicable		Limited quantities Not given/not applicable
14.7 Maritime transport in bulk according to IMO instruments			
	Not given/not applicable		

SECTION 15: REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

- Regulation (EC) No 1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) (including last amendment Commission Regulation (EU) 2020/878)

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- Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures

Information according 2004/42/EC about limitation of emissions of volatile organic compounds (VOC-guideline)
not applicable

Ingredients according to Regulation (EC) No 648/2004 on detergents
No information.

Special instructions
No information.

15.2 Chemical Safety Assessment

No Chemical Safety Assessment has been carried out for this substance/mixture by the supplier.

SECTION 16: OTHER INFORMATION

Indication of changes
No information.

Key literature references and sources for data
No information.

Abbreviations and acronyms

ATE - Acute Toxicity Estimate
ADR - Agreement concerning the International Carriage of Dangerous Goods by Road
ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
CEN - European Committee for Standardisation
C&L - Classification and Labelling
CLP - Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008
CAS# - Chemical Abstracts Service number
CMR - Carcinogen, Mutagen, or Reproductive Toxicant
CSA - Chemical Safety Assessment
CSR - Chemical Safety Report
DMEL - Derived Minimal Effect Level
DNEL - Derived No Effect Level
DPD - Dangerous Preparations Directive 1999/45/EC
DSD - Dangerous Substances Directive 67/548/EEC
DU - Downstream User
EC - European Community
ECHA - European Chemicals Agency
EC-Number - EINECS and ELINCS Number (see also EINECS and ELINCS)
EEA - European Economic Area (EU + Iceland, Liechtenstein and Norway)
EEC - European Economic Community
EINECS - European Inventory of Existing Commercial Substances
ELINCS - European List of notified Chemical Substances
EN - European Standard

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EQS - Environmental Quality Standard

EU - European Union

Euphrac - European Phrase Catalogue

EWC - European Waste Catalogue (replaced by LoW – see below)

GES - Generic Exposure Scenario

GHS - Globally Harmonized System

IATA - International Air Transport Association

ICAO-TI - Technical Instructions for the Safe Transport of Dangerous Goods by Air

IMDG - International Maritime Dangerous Goods

IMSBC - International Maritime Solid Bulk Cargoes

IT - Information Technology

IUCLID - International Uniform Chemical Information Database

IUPAC - International Union for Pure Applied Chemistry

JRC - Joint Research Centre

Kow - octanol-water partition coefficient

LC50 - Lethal Concentration to 50 % of a test population

LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose)

LE - Legal Entity

LoW - List of Wastes (see <http://ec.europa.eu/environment/waste/framework/list.htm>)

LR - Lead Registrant

M/I - Manufacturer / Importer

MS - Member States

MSDS - Material Safety Data Sheet

OC - Operational Conditions

OECD - Organization for Economic Co-operation and Development

OEL - Occupational Exposure Limit

OJ - Official Journal

OR - Only Representative

OSHA - European Agency for Safety and Health at work

PBT - Persistent, Bioaccumulative and Toxic substance

PEC - Predicted Effect Concentration

PNEC(s) - Predicted No Effect Concentration(s)

PPE - Personal Protection Equipment

(Q)SAR - Qualitative Structure Activity Relationship

REACH - Registration, Evaluation, Authorisation and Restriction of Chemicals (Regulation (EC) No 1907/2006)

RID - Regulations concerning the International Carriage of Dangerous Goods by Rail

RIP - REACH Implementation Project

RMM - Risk Management Measure

SCBA - Self-Contained Breathing Apparatus

SDS - Safety data sheet

SIEF - Substance Information Exchange Forum

SME - Small and Medium sized Enterprises

STOT - Specific Target Organ Toxicity

(STOT) RE - Repeated Exposure

(STOT) SE - Single Exposure

SVHC - Substances of Very High Concern

UN - United Nations

vPvB - Very Persistent and Very Bioaccumulative

List of relevant H phrases

H302 Harmful if swallowed.

Product name: **Ammonium Bicarbonate type F (BASF)**

Creation date: **09.01.2025**, Revision: **10.01.2025**, Version: **1.0**



- ☑ Provided correct labelling of the product
- ☑ Compliance with the local legislation
- ☑ Provided correct classification of the product
- ☑ Provided adequate transport data

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The information of this SDS is based on the present state of our knowledge and meets the requirements of EU and national laws. The user's working conditions however, are beyond our knowledge and control. The product is not to be used for purposes other than those specified under section 1 without a written permission. It remains the responsibility of the user to ensure that the necessary steps are taken to meet the laws and regulations. Handling of the product may only be done by people above 18 years of age, who are satisfactorily informed of how to do the work, the hazardous properties and necessary safety precautions. The information given in this SDS is to describe the product only in terms of health and safety requirements and should not, therefore, be construed as guaranteeing specific properties.