

# Material Safety Data Sheet



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**Product Code Numbers: 715, 716, 718, 718-b, 31259, 31246, 31246-b, 31359, 31346, 91640**

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## Calcium Ammonium Nitrate

Conforms to ISO 11014-1 and 91/155/EC

### 1. Chemical Product and Company Identification

**Chemical product name:** Calcium ammonium nitrate

**Common chemical name:**

**Synonyms:** CAN/Nutramon

**Supplier's name:**

**Supplier's address:**

### 2. Composition/Information on Ingredients

Name	CAS number	% by weight	Symbol	R phrases
Ammonium Nitrate	6484-52-2	max. 78	-	-

#### Additional Information

##### Contains:

Name	CAS number
Magnesium Nitrate	13446-18-9
Dolomite	16389-88-1

### 3. Hazards Identification

**Physical/chemical hazards:**

**Environmental hazards:** Harmful to aquatic organisms.

**Effect(s) of (over) exposure:** Slightly irritating to eyes, skin or respiratory tract.

**Symptom(s) of (over) exposure:**

**Inhalation:** Shortness of breath, cough, irritating to respiratory tract.

**Ingestion:** Sore throat, abdominal pain, nausea and vomiting if more than 10 gram is ingested.

**Skin contact:** Redness, tender skin.

**Eye contact:** Redness, pain.

### 4. First Aid Measures

**Ingestion:** Rinse mouth with plenty of water. Make victim drink plenty of water. Do not induce vomiting. Get medical attention if more than 10 gram has been swallowed

**Inhalation:** Remove victim to fresh air. Prevent exertion of affected person. Get medical attention.

**Skin Contact:** Wash with water.

**Eye Contact:** Immediately wash out with plenty of water. Get medical attention.

## 5. Fire Fighting Measures

**Extinguishing media suitable:** Water

**Unusual fire and explosion hazards:** Toxic fumes of oxides of nitrogen may be formed in fire.

**Hazardous thermal decomposition**

**and combustion products:** Toxic fumes of oxides of nitrogen

**Protection of fire-fighters:** Self contained breathing equipment.

## 6. Accidental Release Measures

**Personal precautions:** Use appropriate protective clothing and equipment (see section 8).

**Environmental precautions:** The substance is biodegradable. Harmful to aquatic organisms.

**Methods for cleaning up:** Spilled material should be collected appropriately and wash remainder with plenty of water. If spilled material enters a water course inform the local water authority.

## 7. Handling and Storage

**Handling:** Use appropriate protective clothing and equipment (see section 8)

**Storage:** Store away from combustible material and reducing agents. Do not expose to high temperatures.

**Packaging materials:** Bulk, bags.

## 8. Exposure Controls/Personal Protection

**Engineering measures:** Local exhaust, ventilation.

**Hygienic measures:** When using do not eat, drink or smoke.

**Personal protection:**

**Respiratory system:** Respiratory protection. (dust mask, type P2)

**Skin and body:** Protective clothing.

**Hands:** Protective gloves.

**Eyes:** Safety goggles.

## 9. Physical and Chemical Properties

**Appearance:** Granules, dry.

**Colour:** Brownish.

**Odor:** Odorless.

**Molecular weight:** Not applicable.

**Boiling Point:** Not applicable.

**Melting Point:** Approximately 169°C

**Decomposition temperature:** > 220°C

**Bulk density:** 1000 - 1100 kg/m<sup>3</sup>

**Solubility:** 3,6 ± 0,2 mm.

**Solubility in water:** 190 g/100 ml (20°C).

**Flash point:** None.

**Auto ignition temperature:** Not applicable.

**Lower explosion limit:** Not applicable.

**Upper explosion limit:** Not applicable.

**Freezing point:** Not applicable.

## 10. Stability and Reactivity

**Stability:** Stable.

**Conditions to avoid:** Melts and decomposes when strongly heated.

**Materials to avoid:** Strong base, strong acid, organic materials, chromates, zinc, compounds by copper, nickel and cobalt.

**Hazardous decomposition products:** Calcium ammonium nitrate melts and decomposes when strongly heated, releasing toxic fumes (NO<sub>x</sub>).

**Hazardous polymerization:** Will not occur.

## 11. Toxicological Information

**Chemical name:** Ammonium nitrate.

**Acute toxicity:**

**Oral:** LD50 rat: 2300 mg/kg.

**Dermal:** LD50 rat: expected > 2000 mg/kg.

**Inhalation:** 4 hrs LC50 rat: > 88 mg/l.

**Eye irritation:** Slight eye irritation.

**Skin irritation:** Very slight skin irritation.

**Sensitization:** No skin sensitization.

**Chronic toxicity:** Substance might lead to change in blood structure (formation of methaemoglobine).

**Carcinogenicity:** NTP: No NCI-lifetime study has been carried out

IARC: No IARC-monograph has been published.

OSHA: Not regulated as a carcinogen.

**Mutagenicity:** No mutagenicity expected.

**Reproductive toxicity:** No reproductive toxicity expected.

**Epidemiological data:** Epidemiological data indicate no effects in workers exposed to 10 mg/m<sup>3</sup> for a year or longer

## 12. Ecological Information

**Chemical name:** Ammonium nitrate.

**Mobility:** Highly water soluble. It is not absorbed by soil.

**Persistence and degradability:** Readily biodegradable.

**Bioaccumulative potential:** Log P < 0. Therefore no bioaccumulation potential.

**Ecotoxicity:** 96 h LC50 (for fish): 10 - 100 mg/l.

48 h EC50 (for Daphnia): 10 - 100 mg/l.

## 13. Disposal Considerations

**Responsibility of the receiver to have knowledge of national and local regulations.**

**Methods of disposal:** The substance is biodegradable.

Disposal according to the local legislation.

## 14. Transport Information

**Proper shipping name:** Ammonium nitrate fertilizers.

**UN number:**

**Road/Railway/Inland:** No specific regulations applicable.

**Waterways:** No specific regulations applicable.

**Sea:** No specific regulations applicable.

**Air:**

## 15. Regulatory Information

**Responsibility of the receiver to have knowledge of national and local regulations.**

**EC Classification:**

**Label name:** Not classified as a dangerous substance according to EC criteria.

**Hazard symbol:** None.

**Risk phrases:** None.

**Safety phrases:** None.

**National regulations:** Readily biodegradable.

**WGK (Germany):** 1 (DSM classification)..

**Listed on TSCA-inventory:** Yes (ingredients).

**Listed on DSL-inventory:** Yes (ingredients).

**Listed on AICS-inventory:** Yes (ingredients).

**Listed on MITI-inventory:** Yes (ingredients).

## 16. Other Information

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**MATERIAL SAFETY DATA SHEET FOR BZK ANTISEPTIC TOWELETTE**

Textilease Medique

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Phone# 1-800-634-7680

**REVISION DATE: 7/00**

**I-PRODUCT IDENTIFICATION**

PRODUCT/TRADE NAME: BZK ANTISEPTIC TOWELETTE D35100,

D35185, D35187, K45881

HAZARD RATING (NFPA)

HEALTH: 0

FLAMMABILITY: 0

REACTIVITY: 0

SPECIFIC: NONE

EMERGENCY OR INFORMATION TELEPHONE NO: 845-365-1700 (M-F DAYTIME) AT OTHER TIMES, CONTACT THE LOCAL POISON CONTROL CENTER

CHEMICAL NAME: MIXTURE

**II-HAZARDOUS INGREDIENTS**

PER 29 CFR 1910.1200

Hazardous Ingredients	% ACGIH TLV	CAS NUMBER
NONE. NO COMPONENTS OVER 1% OF FORMULATION		

**III-PHYSICAL/CHEMICAL CHARACTERISTICS**

COLOR/ODOR/APPEARANCE: TOWELETTE SATURATED WITH CLEAR COLORLESS LIQUID.

BOILING POINT: N/A

FLASH POINT: NOT APPLICABLE

VAPOR DENSITY: N/A

EVAPORATION RATE: N/A

SOLUBILITY IN WATER: COMPLETE

SPECIFIC GRAVITY (H<sub>2</sub>O = 1): 1.0

**IV-FIRE & EXPLOSION HAZARD DATA**

FLASH POINT(Method Used): NOT APPLICABLE : LEL:N/A UEL:N/A

EXTINGUISHING MEDIA: ANY

SPECIAL FIRE FIGHTING PROCEDURES: NONE

UNUSUAL FIRE AND EXPLOSION HAZARDS: NONE

**V-REACTIVITY DATA**

STABILITY: STABLE

CONDITIONS TO AVOID: N/A

INCOMPATIBILITY: ANIONIC SURFACTANTS/SOAPS  
HAZARDOUS DECOMPOSITION OR BYPRODUCTS: NONE  
POLYMERIZATION: WILL NOT OCCUR  
CONDITIONS TO AVOID: NONE

**VI-HEALTH HAZARD DATA**

EFFECTS OF OVER EXPOSURE:  
SKIN: NONE  
EYES: MAY CAUSE DISCOMFORT  
INHALATION: NONE  
INGESTION: NONE

**EMERGENCY AND FIRST AID PROCEDURES:**

SKIN CONTACT: DISCONTINUE USE IF RASH OR IRRITATION  
OCCURS  
EYE CONTACT: FLUSH WITH COLD WATER IF SPLASHED IN EYES  
INHALATION: NONE  
INGESTION: NONE  
TARGET ORGANS: NONE

**VII-SPILL AND DISPOSAL PROCEDURE**

SPILL CONTROL: RINSE INTO SEWER SYSTEM  
WASTE DISPOSAL METHOD: FOLLOW LOCAL STATE AND FEDERAL  
REGULATIONS.  
HANDLING AND STORAGE: NONE

**VIII-CONTROL MEASURES/PROTECTION**

RESPIRATION: NONE.  
VENTILATION: NONE.  
PROTECTIVE GLOVES: NONE  
EYE PROTECTION: IF SPLASH POTENTIAL EXISTS  
HYGIENIC PRACTICES: GOOD HOUSEKEEPING PRACTICES SHOULD  
BE FOLLOWED.  
OTHER: NONE

**IX-TRANSPORT/SHIPPING**

DOT SHIPPING NAME:  
TECHNICAL SHIPPING NAME:  
DOT SHIPPING CLASSIFICATION: DOT Not Regulated  
DOT ID NO.:  
DOT; LABEL; REQUIREMENTS:  
UN/NA NUMBER REGULATIONS:  
REPORTABLE QUANTITY:

**X-DISCLAIMER**

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