



SASOL

Safety Data Sheet

Limestone Ammonium Nitrate

Version 1.00

Revision Date 02.10.2020

SECTION 1. Identification of the substance/mixture and of the company/undertaking

Product identifier

Trade name Limestone Ammonium Nitrate

Synonyms Calcium Ammonium Nitrate, CAN, LAN

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

Use Fertilizer

Manufacturer or supplier's details

Company Sasol Chemicals, a division of Sasol South Africa Ltd

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Sandton
2090
South Africa

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+65 3158 1074 (Asia Pacific)
+86 400 120 6011 (China)
+27 (0)17 610 4444 (South Africa)
+61 (2) 8014 4558 (Australia)

SECTION 2. Hazards identification

Classification of the substance or mixture

REGULATION (EC) No 1272/2008

Classification Not a hazardous substance or mixture.

Label elements

REGULATION (EC) No 1272/2008

Not a hazardous substance or mixture.



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Other hazards

None known.

SECTION 3. Composition/information on ingredients

Mixture

Ammonium Nitrate

Contents: 80.00 %W/W

CAS-No. 6484-52-2

Index-No.

EC-No. 229-347-8

limestone

Contents: 20.00 %W/W

CAS-No. 1317-65-3

Index-No.

EC-No. 215-279-6



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SECTION 4. First aid measures

Description of necessary first-aid measures

Inhalation	Move to fresh air in case of accidental inhalation of vapours. If breathing is irregular or stopped, administer artificial respiration. If symptoms persist, call a physician.
Skin contact	Wash off immediately with plenty of water for at least 15 minutes. If symptoms persist, call a physician.
Eye contact	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses. If eye irritation persists, consult a specialist.
Ingestion	Never give anything by mouth to an unconscious person. DO NOT induce vomiting unless directed to do so by a physician or poison control center. Call a physician immediately.

Most important symptoms/effects, acute and delayed

Refer to SECTION 11

SECTION 5. Firefighting measures

Suitable extinguishing media	Dry powder Dry chemical. Carbon dioxide. Halons Water
Unsuitable extinguishing media	Do not use a chemical, foam or attempt to smother the fire with steam or sand.
Special hazards arising from the substance or mixture	The product itself does not burn. Evacuate personnel to safe areas. Dangerous gases or fumes may occur in case of fire. Vapours may form explosive mixtures with air.
Special protective equipment for firefighters	Wear self-contained breathing apparatus and protective suit. In the event of fire and/or explosion do not breathe fumes.

SECTION 6. Accidental release measures



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- Personal precautions** Remove all sources of ignition. Do not breathe spray mist
- Environmental precautions** Prevent further leakage or spillage if safe to do so. Prevent product from entering drains. Do not contaminate surface water. If the product contaminates rivers and lakes or drains inform respective authorities.
- Methods for cleaning up** Shovel into suitable container for disposal. Keep in suitable, closed containers for disposal.
- Reference to other sections** Refer to section 8 and 13

SECTION 7. Handling and storage

- Safe handling advice** Wear personal protective equipment.
- Advice on protection against fire and explosion** Keep away from combustible material.
- Requirements for storage areas and containers** No special storage conditions required.Keep away from incompatibles.
- Advice on common storage** No data available

SECTION 8. Exposure controls/personal protection

Components with workplace control parameters

NATIONAL OCCUPATIONAL EXPOSURE LIMITS

Components	Type	Control parameters	Update	Basis
MARBLE, RESPIRABLE DUST	TWA	5 mg/m ³	1995	South Africa RELs
MARBLE, TOTAL INHALABLE DUST	TWA	10 mg/m ³	1995	South Africa RELs

Exposure controls

Engineering measures



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Provide sufficient air exchange and/or exhaust in work rooms.

Personal protective equipment

Respiratory protection	In case of insufficient ventilation, use dust mask.
Hand protection	Gloves suitable for permanent contact: Material: natural rubber/natural latex, polychloroprene, butyl-rubber, Polyvinylchloride Break through time: 8 h Material thickness: 0.5 mm Gloves suitable for permanent contact: Material: fluoro carbon rubber - FKM Break through time: 8 h Material thickness: 0.4 mm Gloves suitable for permanent contact: Material: nitrile rubber/nitrile latex Break through time: 8 h Material thickness: 0.35 mm Unsuitable gloves Material: leather
Eye protection	Safety glasses with side-shields
Skin and body protection	Lightweight protective clothing
Hygiene measures	Wash hands before breaks and immediately after handling the product. Keep away from food and drink.

SECTION 9. Physical and chemical properties

Information on basic physical and chemical properties

Form	granular
State of matter	Solid
Colour	grey
Odour	ammoniacal Odourless Slightly waxy.
Odour Threshold	No data available
pH	6
Sublimation point	170 ° C



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Flash point	No data available
Evaporation rate	No data available
Flammability (solid, gas)	No data available
Relative vapour density	No data available
Water solubility	partly soluble

SECTION 10. Stability and reactivity

Reactivity	Decomposes on heating. Ammonia gas may be liberated at high temperatures. Heating can release hazardous gases. Decomposes at 230° C
Chemical stability	No data available
Possibility of hazardous reactions	No data available
Conditions to avoid	Heat
Materials to avoid	Reducing agents. Incompatible with strong acids and bases.ZincCopper
Hazardous decomposition products	Nitrogen oxides (NOx).ammonia

SECTION 11. Toxicological information

Acute oral toxicity	Ammonium Nitrate: LD50 Rat: > 2,000 mg/kg;
Acute inhalation toxicity	Ammonium Nitrate: LC50 Rat: 4 h; dust/mist; > 88 mg/l; (literature value)
Skin irritation	Ammonium Nitrate: Rabbit: Slightly irritating; (literature value)
Eye irritation	Ammonium Nitrate: Rabbit: irritating (literature value)

SECTION 12. Ecological information

Toxicity to fish	Ammonium Nitrate: semi-static test; Cyprinus carpio; 48 h; LC50; > 100 mg/l; (literature value)
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Toxicity to daphnia and other aquatic invertebrates	Ammonium Nitrate: Daphnia magna; 48 h; > 100 mg/l(literature value)
Bioaccumulation	This mixture contains no substance considered to be very persistent and very bioaccumulating (vPvB).
Mobility in soil	No data available
Results of PBT and vPvB assessment	This mixture contains no substance considered to be very persistent and very bioaccumulating (vPvB).

SECTION 13. Disposal considerations

Product	Dispose of in accordance with local regulations.
Packaging	Dispose of spent product packaging responsibly and lawfully with due consideration for health, safety and the environment

SECTION 14. Transport information

Further Information	Not classified as dangerous in the meaning of transport regulations.
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SECTION 15. Regulatory information

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

USA TSCA Inventory	All chemical constituents are listed in: USA TSCA Inventory (See chapter 3)
Canadian Domestic Substances List (DSL)	All chemical constituents are listed in: Canadian Domestic Substances List (DSL) (See chapter 3)
Australian Inv. of Chem. Substances (AICS)	All chemical constituents are listed in: Australian Inv. of Chem. Substances (AICS) (See chapter 3)
New Zealand Inventory of Chemicals (NZIoC)	All chemical constituents are listed in: New Zealand Inventory of Chemicals (NZIoC) (See chapter 3)



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Jap. Inv. of Exist. & New Chemicals (ENCS)	All chemical constituents are listed in: Jap. Inv. of Exist. & New Chemicals (ENCS) (See chapter 3)
Japan. Industrial Safety & Health Law (ISHL)	All chemical constituents are listed in: Japan. Industrial Safety & Health Law (ISHL) (See chapter 3)
Korea. Existing Chemicals Inventory (KECI)	All chemical constituents are listed in: Korea. Existing Chemicals Inventory (KECI) (See chapter 3)
Philippines Inventory of Chemicals and Chemical Substances (PICCS)	All chemical constituents are listed in: Philippines Inventory of Chemicals and Chemical Substances (PICCS) (See chapter 3)
China Inv. Existing Chemical Substances (IECSC)	All chemical constituents are listed in: China Inv. Existing Chemical Substances (IECSC) (See chapter 3)

SECTION 16. Other information

Full text of H-Statements.

This substance contains no components with H-statement.

All reasonable efforts were exercised to compile this SDS in accordance with the Globally Harmonized System of Classification and Labelling of Chemicals (GHS). The SDS only provides information regarding the health, safety and environmental hazards at the date of issue, to facilitate the safe receipt, use and handling of this product in the workplace and does not replace any product information or product specifications. Since Sasol and its subsidiaries cannot anticipate or control all conditions under which this product may be handled, used and received in the workplace, it remains the obligation of each user, receiver or handler to, prior to usage, review this SDS in the context within which this product will be received, handled or used in the workplace. The user, handler or receiver must ensure that the necessary mitigating measures are in place with respect to health and safety. This does not substitute the need or requirement for any relevant risk assessments to be conducted. It further remains the responsibility of the receiver, handler or user to communicate such information to all relevant parties that may be involved in the receipt, use or handling of this product.

Although all reasonable efforts were exercised in the compilation of this SDS, Sasol does not expressly warrant the accuracy of, or assume any liability for incomplete information contained herein or any advice given. When this product is sold, risk passes to the purchaser in accordance with the specific terms and conditions of sale.