

CALCIUM HYDROXIDE, AR GRADE

SECTION 1: CHEMICAL PRODUCT IDENTIFICATION

Product Name: CALCIUM HYDROXIDE, AR GRADE

Product Code: 299

CAS#: 1305-62-0

Synonym: Not available

Chemical Name: Not available

Chemical Formula: Ca(OH)_2

Formula weight: 74.09

SECTION 2: COMPOSITION AND INFORMATION ON INGREDIENTS

Composition: NA

Name: Calcium hydroxide

Toxicological Data on Ingredients: Acute > 2.000 mg/kg; Eye Dam

SECTION 3: HAZARDS IDENTIFICATION

Classification of the substance or mixture:

Hazardous substance or mixture according to Regulation (EC) No 1272/2008

Potential Acute Health Effects: Not Available

Potential Chronic Health Effects: Not Available

Carcinogenic Effects: Not available

Mutagenic Effects: Not available.

Teratogenic Effects: Not available.

Developmental Toxicity: Not Available

Specific target organ toxicity - Not available

SECTION 4: FIRST AID MEASURES

Description of first aid measures:

General advice Consult a physician. Show this safety data sheet to the doctor in attendance.

If inhaled If breathed in: Move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

In case of skin contact Wash off with soap and plenty of water. Consult a physician.

In case of eye contact: Flush eyes with water as a precaution.

If swallowed: Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

Most important symptoms and effects, both acute and delay: Not available

Indication of any immediate medical attention and special treatment needed: Not available

SECTION 5: FIRE AND EXPLOSION DATA

Extinguishing media:

Suitable extinguishing media: Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Special hazards arising from the substance or mixture: Calcium oxide, Not combustible.

Ambient fire may liberate hazardous vapors.

Calcium oxide

Advice for firefighters: Wear self-contained breathing apparatus for firefighting if necessary.



SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures: Use personal protective equipment. Avoid dust formation. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Avoid breathing dust.

Environmental precautions: Do not let product enter drains.

Methods and materials for containment and cleaning up: Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed containers.

SECTION 7: HANDLING AND STORAGE

Precautions for safe handling: Not available

Conditions for safe storage, including any incompatibilities: Keep container tightly closed in a dry and well-ventilated place. Hygroscopic

Storage Class: Storage class (TRGS 510): 13: Combustible Solids

Specific end use(s) A part from the uses: No other specific uses are stipulated.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure controls:

Appropriate engineering controls: Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

Personal protective equipment:

Eye/face protection: Safety glasses with side-shields conforming to EN166 Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin protection: Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

Body Protection: Complete suit protecting against chemicals, The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Respiratory protection: For nuisance exposures use type P95 (US) or type P1 (EU EN 143) particle respirator. For higher level protection use type OV/AG/P99 (US) or type ABEK-P2 (EU EN 143) respirator cartridges. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Control of environmental exposure: Do not let product enter drains.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance Form	: White colour fine powder
Colour	: Not available
Odour	: Not available
Odour Threshold	: Not available
pH	: Not available
Melting point/freezing point	: Not available
Initial boiling point and boiling range	: Not available
Flash point	: Not available
Evaporation rate	: Not available
Flammability (solid, gas)	: Not available
Upper/lower flammability or explosive limits	: Not available
Vapour pressure	: Not available
Vapour density	: Not available
Relative density	: Not available
Water solubility	: Not available
Partition coefficient	: Not available



Auto-ignition temperature

: Not available

SECTION 10: STABILITY AND REACTIVITY DATA

Reactivity: Not available.

Chemical stability: Stable under recommended storage conditions.

Possibility of hazardous reactions Exothermic reaction with: hydrogen sulphide, Light metals, phosphorus, organic nitro compounds, acids

Risk of explosion with: Anhydrides

Conditions to avoid : Not available

Incompatible materials: light metals

Hazardous decomposition products other decomposition products: Not available

SECTION 11: TOXICOLOGICAL INFORMATION

Information on toxicological effects:

Acute toxicity:

LD50 Oral - Rat - female - > 2.000 mg/kg

(OECD Test Guideline 425)

LC50 Inhalation - Rat - male and female - 4 h - > 6,04 mg/l - dust/mist

(OECD Test Guideline 436)

LD50 Dermal - Rabbit - male and female - > 2.500 mg/kg

(OECD Test Guideline 402)

Skin corrosion/irritation:

Skin – Rabbit:

Result: Irritating to skin

(OECD Test Guideline 404)

Serious eye damage/eye irritation

Eyes - Rabbit

Result: Irreversible effects on the eye

(OECD Test Guideline 405)

Remarks: Risk of corneal clouding, Risk of blindness

Respiratory or skin sensitization: Not available

SECTION 12: ECOLOGICAL INFORMATION

Toxicity:

Toxicity to fish : LC50 - Oncorhynchus mykiss (rainbow trout) - > 50.6 mg/l - 96 h

Toxicity to daphnia : static test EC50 - Daphnia magna (Water flea) - 49,1 mg/l - 48 h(OECD st Guideline 202

Other aquatic invertebrates:

Persistence and degradability: Not Available

Bio accumulative potential: Not available

Mobility in soil: Not available

Results of PBT and vPvB assessment PBT/vPvB assessment: This substance/mixture contains no components considered to be either persistent, bio accumulative and toxic (PBT), or very persistent and very bio accumulative (vPvB) tlevels of 0.1% or higher.

Other adverse effects: Not available

SECTION 13: DISPOSAL CONSIDERATIONS

Waste treatment methods: Product Offer surplus and non-recyclable solutions to a licensed disposal company.

Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber.



Contaminated packaging: Dispose of as unused product.

SECTION 14: TRANSPORT INFORMATION

UN number:		
ADR/RID:	IMDG:	IATA:
UN proper shipping name		
ADR/RID: Not dangerous goods		
IMDG: Not dangerous goods		
IATA: Not dangerous goods		
Transport hazard class(es):		
ADR/RID:	IMDG:	IATA:
Packaging group:		
ADR/RID:	IMDG:	IATA:
Environmental hazards:		
ADR/RID: No	IMDG Marine pollutant: No	IATA: No

SECTION 15: OTHER REGULATORY INFORMATION

Safety, health and environmental regulations/legislation specific for the substance or mixture: This material safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006.

Other regulations: Take note of Dir 94/33/EC on the protection of young people at work.

SECTION 16: OTHER INFORMATION

References: Full text of H AND R-Statements.

H302 Harmful if swallowed.

H318 Causes serious eye damage.

Special Considerations: Not available

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