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

1.1 Product identifier

Trade name/designation
3440000 High-grade lime paint

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

Relevant identified uses
Matt coatings for interior walls and ceilings

1.3 Details of the supplier of the safety data sheet

Supplier
AURO Pflanzenchemie AG
Alte Frankfurter Straße 211
38122 Braunschweig Deutschland
Telephone: +49 531 28141-0
Telefax: +49 531 28141-72
E-mail: info@auro.de
Website: www.auro.de

Department responsible for information
E-mail (competent person) msds@auro.de

1.4 Emergency telephone number

Emergency telephone number +44 1544388535
Only available during office hours.

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 [CLP]
The mixture is classified as hazardous according to regulation (EC) No 1272/2008 [CLP].
Eye Dam. 1; Serious eye damage/eye irritation; H318 Causes serious eye damage.
STOT SE 3 Irritation to respiratory tract; STOT-single exposure; H335 May cause respiratory irritation.
Skin Irrit. 2; Skin corrosion/irritation; H315 Causes skin irritation.

2.2 Label elements

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

Hazard pictograms

GHS05 GHS07

Signal word
Danger

Hazard statements

H318 Causes serious eye damage.
H335 May cause respiratory irritation.
H315 Causes skin irritation.

Precautionary statements

P101 If medical advice is needed, have product container or label at hand.
P102 Keep out of reach of children.
P271 Use only outdoors or in a well-ventilated area.
P280 Wear protective gloves and eye/face protection.
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310 Immediately call a POISON CENTER.
P403 + P233 Store in a well-ventilated place. Keep container tightly closed.
P405 Store locked up.
P501 Dispose of contents/container to industrial incineration plant.
Hazard components for labelling
Calcium dihydroxide

Supplemental hazard information
* EUH211 Warning! Hazardous respirable droplets may be formed when sprayed. Do not breathe spray or mist.

2.3 Other hazards
The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

SECTION 3: Composition / information on ingredients.

3.2 Mixtures
Description
Hazardous ingredients

<table>
<thead>
<tr>
<th>CAS No. EC No. Index No.</th>
<th>Substance name</th>
<th>Classification according to Regulation (EC) No 1272/2008 [CLP]</th>
<th>weight-%</th>
</tr>
</thead>
<tbody>
<tr>
<td>1305-62-0 215-137-3 -</td>
<td>Calcium dihydroxide</td>
<td>01-2119475151-45 Skin Irrit. 2 H315 / Eye Dam. 1 H318 / STOT SE 3 H335</td>
<td>25,0 &lt; 35,0</td>
</tr>
</tbody>
</table>

Remark

SECTION 4: First aid measures

4.1 Description of first aid measures
General information
In all cases of doubt, or when symptoms persist, seek medical advice. In case of unconsciousness give nothing by mouth, place in recovery position and seek medical advice.

Following inhalation
Remove casualty to fresh air and keep warm and at rest. In case of irregular breathing or respiratory arrest provide artificial respiration.

Following skin contact
Remove contaminated, saturated clothing immediately. After contact with skin, wash immediately with plenty of water and soap. Do not use solvents or thinners.

After eye contact
Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Seek medical advice immediately.

Following ingestion
If swallowed, rinse mouth with water (only if the person is conscious). Seek medical advice immediately. Keep victim calm. Do NOT induce vomiting.

Self-protection of the first aider
First aider: Pay attention to self-protection!

4.2 Most important symptoms and effects, both acute and delayed
Symptoms
In all cases of doubt, or when symptoms persist, seek medical advice.

4.3 Indication of any immediate medical attention and special treatment needed
First Aid, decontamination, treatment of symptoms.

SECTION 5: Firefighting measures

5.1 Extinguishing media
Suitable extinguishing media
alcohol resistant foam, Carbon dioxide (CO2), Powder, spray mist, (water)

Unsuitable extinguishing media
5.2 Special hazards arising from the substance or mixture
Dense black smoke occurs during fire. Inhaling hazardous decomposing products can cause serious health damage.

5.3 Advice for firefighters
Provide a conveniently located respiratory protective device. Cool closed containers that are near the source of the fire. Do not allow water used to extinguish fire to enter drains, ground or waterways.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures
Ventilate affected area. Do not breathe vapours.

6.2 Environmental precautions
Do not allow to enter into surface water or drains. If the product contaminates lakes, rivers or sewages, inform competent authorities in accordance with local regulations.

6.3 Methods and material for containment and cleaning up
For containment
Isolate leaked material using non-flammable absorption agent (e.g. sand, earth, vermiculit, diatomaceous earth) and collect it for disposal in appropriate containers in accordance with the local regulations (see section 13).

For cleaning up
Clean using cleansing agents. Do not use solvents.

6.4 Reference to other sections
Safe handling: see section 7
Personal protection equipment: refer to section 8
Disposal: see section 13

SECTION 7: Handling and storage

7.1 Precautions for safe handling
Advises on safe handling
Avoid contact with skin, eyes and clothes. Avoid respiration of swarf. Personal protection equipment: see section 8 Do not empty containers with pressure - no pressure vessel! Always keep in containers that correspond to the material of the original container. Follow the legal protection and safety regulations.

Advises on general occupational hygiene
When using do not eat, drink or smoke.

7.2 Conditions for safe storage, including any incompatibilities
Requirements for storage rooms and vessels
Storage in accordance with the Ordinance on Industrial Safety and Health (BetrSiVO). Keep container tightly closed. Do not empty containers with pressure - no pressure vessel! Smoking is forbidden. Access only for authorised persons. Store carefully closed containers upright to prevent any leaks.

Hints on joint storage
Keep away from strongly acidic and alkaline materials as well as oxidizers.

Further information on storage conditions
Keep container tightly closed. Access only for authorised persons. Store carefully closed containers upright to prevent any leaks.

7.3 Specific end use(s)
Observe technical data sheet.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters
* Occupational exposure limit values

<table>
<thead>
<tr>
<th>CAS No.</th>
<th>Substance name</th>
<th>Source</th>
<th>Long-term/short-term (Spitzenbegrenzung)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1305-62-0</td>
<td>Calcium dihydroxide</td>
<td>WEL</td>
<td>5 / - ( - ) mg/m³</td>
</tr>
<tr>
<td>1305-62-0</td>
<td>Calcium dihydroxide</td>
<td>WEL</td>
<td>1 / 4 ( - ) mg/m³</td>
</tr>
</tbody>
</table>
Additional information

Long-term: Long-term occupational exposure limit value
short-term: short-term occupational exposure limit value

Biological limit values

No data available

8.2 Exposure controls

Provide good ventilation. This can be achieved with local or room suction.

Personal protection equipment

Respiratory protection

In case of inadequate ventilation wear respiratory protection.

Hand protection

Suitable material: NBR (Nitrile rubber)
Thickness of the glove material \[>= 0.4 \text{ mm}\]
Breakthrough time \[>= 480 \text{ min}\]

For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves. Observe the instructions and details for use, storage, maintenance and replacement provided by the protective glove manufacturer. Penetration time of glove material depending on intensity and duration of exposure to skin.

Recommended glove articles: EN ISO 374

Skin protection

Barrier creams can help protecting exposed skin areas. In no case should they be used after contact.

Eye/face protection

Eye glasses with side protection

Body protection

When handling with chemical substances, protective clothing with CE-labels including the four control digits must be worn.

Environmental exposure controls

Do not allow to enter into surface water or drains.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance

* Physical state: Liquid
* Colour: refer to label

Safety characteristics

Odour: characteristic
Odour threshold: not determined

* pH: 12
Melting point/freezing point: not determined
Initial boiling point and boiling range: not determined
Flash point: not determined
Evaporation rate at 20°C: not determined
Burning time: not applicable
Lower explosion limit at 20°C: not determined
Upper explosion limit at 20°C: not determined
Vapour pressure at 20°C: 23 mbar
Density at 20°C: 1,386 kg/l
Water solubility at 20°C: practically insoluble
Partition coefficient: n-octanol/water: see section 12
SECTION 10: Stability and reactivity

10.1 Reactivity
No specific test data related to reactivity available for this product or its ingredients.

10.2 Chemical stability
Stable when applying the recommended regulations for storage and handling. Further information on correct storage: refer to section 7.

10.3 Possibility of hazardous reactions
Keep away from strong acids, strong bases and strong oxidizing agents to avoid exothermic reactions.

10.4 Conditions to avoid
Stable when applying the recommended regulations for storage and handling. Further information on correct storage: refer to section 7. Hazardous decomposition byproducts may form with exposure to high temperatures.

10.5 Incompatible materials
No further relevant information available.

10.6 Hazardous decomposition products
Hazardous decomposition byproducts may form with exposure to high temperatures, e.g.: Carbon dioxide (CO2), Carbon monoxide, smoke.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity
Based on available data, the classification criteria are not met.

Calcium dihydroxide
LD50: oral (Rat): > 2.000 mg/kg
LD50: oral (Rat): > 2.000 mg/kg

Skin corrosion/irritation
Causes skin irritation.

Serious eye damage/eye irritation
Causes serious eye damage.

Respiratory or skin sensitisation
Based on available data, the classification criteria are not met.

CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)
Based on available data, the classification criteria are not met.

STOT-single exposure
May cause respiratory irritation.

STOT-repeated exposure
Based on available data, the classification criteria are not met.

Aspiration hazard
Based on available data, the classification criteria are not met.

Practical experience/human evidence
Inhaling of solvent components above the MWC-value can lead to health damage, e.g. irritation of the mucous membrane and respiratory organs, as well as damage to the liver, kidneys and the central nerve system. Indications for this are: Headache, Dizziness, fatigue, amyosthenia, Dizziness, in serious cases: unconsciousness. Solvents may cause some of the
 SECTION 12: Ecological information

12.1 Toxicity
Based on available data, the classification criteria are not met.

**Acute (short-term) fish toxicity**
- **Calcium dihydroxide**
  - LC50: (Oncorhynchus mykiss (Rainbow trout)): = 50,6 mg/L (96 h)
  - Method: OECD 203

**Acute (short-term) toxicity to algae and cyanobacteria**
- **Calcium dihydroxide**
  - EC50 (Pseudokirchneriella subcapitata): = 184,57 mg/L (72 h)
  - Method: OECD 201
- **Calcium dihydroxide**
  - EC10 (Pseudokirchneriella subcapitata): = 79,22 mg/L (72 h)
  - Method: OECD 201

**Acute (short-term) toxicity to crustacea**
- **Calcium dihydroxide**
  - EC50 (Daphnia magna (Big water flea)): = 49,1 mg/L (48 h)
  - Method: OECD 202
- **Calcium dihydroxide**
  - NOEC (Daphnia magna (Big water flea)): = 33,3 mg/L (48 h)
  - Method: OECD 202

12.2 Persistence and degradability
No information available.

12.3 Bioaccumulative potential
No information available.

12.4 Mobility in soil
No information available.

12.5 Results of PBT and vPvB assessment
The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

12.6 Other adverse effects
No information available.

 SECTION 13: Disposal considerations

13.1 Waste treatment methods

**Product/Packaging disposal**
Do not empty into drains; dispose of this material and its container in a safe way. Waste disposal according to directive 2008/98/EC, covering waste and dangerous waste.

**Waste codes/waste designations according to EWC/AVV**
080120 - aqueous suspensions containing paint or varnish other than those mentioned in 08 01 19

**Other disposal recommendations**
Non-contaminated packages may be recycled. Vessels not properly emptied are special waste.

 SECTION 14: Transport information

14.1 UN number
not applicable

14.2 UN proper shipping name

**Land transport (ADR/RID)**
No dangerous good in sense of these transport regulations.

**Sea transport (IMDG)**
14.3 Transport hazard class(es)
not applicable

14.4 Packing group
not applicable

14.5 Environmental hazards
Land transport (ADR/RID) not applicable
Sea transport (IMDG) not applicable

14.6 Special precautions for user
Transport always in closed, upright and safe containers. Make sure that persons transporting the product know what to do in case of an accident or leakage. Advices on safe handling: see parts 6 - 8

14.7 Transport in bulk according to Annex II of Marpol and the IBC Code
No transport as bulk according to IBC Code.

14.8 Additional information
Land transport (ADR/RID) not applicable
Sea transport (IMDG) not applicable
Air transport (ICAO-TI / IATA-DGR) not applicable

SECTION 15: Regulatory information

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

EU legislation
Restrictions of occupation
Observe employment restrictions under the Maternity Protection Directive 92/85/EEC or stricter national regulations, if applicable.
Observe restrictions to employment for juvenils according to the 'juvenile work protection guideline' (94/33/EC) or stricter national regulations, if applicable.

VOC-value: 0.055 g/l
* Directive 2004/42/EC on the limitation of emissions of volatile organic compounds
* VOC limit value 2004/42/IIA(a): 30 g/l (2010)
* Maximum VOC content (g/L) of the product in a ready to use condition: 0.055
This product meets the requirements of Regulation (EC) No. 1935/2004 on the limitation of VOC content.

Directive 2012/18/EU on the control of major-accident hazards involving dangerous substances [Seveso-III-Directive]
Hazard categories / Named dangerous substances
This product is not classified according to Directive 2012/18/EU.

National regulations

15.2 Chemical Safety Assessment
For the following substances of this mixture a chemical safety assessment has been carried out:

<table>
<thead>
<tr>
<th>REACH No.</th>
<th>Substance name</th>
<th>CAS No.</th>
<th>EC No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>01-2119475151-45</td>
<td>Calcium dihydroxide</td>
<td>1305-62-0</td>
<td>215-137-3</td>
</tr>
</tbody>
</table>

SECTION 16: Other information

Relevant R-, H- and EUH-phrases (Number and full text)

Relevant R-and H-phrases (Number and full text):

H315 Causes skin irritation.
H318 Causes serious eye damage.
Safety Data Sheet
according to Regulation (EC) No. 1907/2006 (REACH)
according to Regulation (EU) 2015/830

3440000 High-grade lime paint
Version 2.0 Revision date 17-Jun-2021 Print date 17-Jun-2021

H335 May cause respiratory irritation.
Classification for mixtures and used evaluation method according to regulation (EC) No 1272/2008 [CLP]
Eye Dam. 1 Calculation method.
STOT SE 3 Irritation to respiratory tract Calculation method.
Skin Irrit. 2 Calculation method.

Abbreviations and acronyms
ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road
OEL: Occupational Exposure Limit Value
BLV: Biological limit values
CAS: Chemical Abstracts Service
CLP: Classification, Labelling and Packaging
CMR: Carcinogenic, Mutagenic and Reprotoxic
DIN: German Institute for Standardization / German industrial standard
DNEL: Derived No-Effect Level
EAKV: European Waste Catalogue Directive
EC: Effective Concentration
EC: European Community
EN: European Standard
IATA-DGR: International Air Transport Association – Dangerous Goods Regulations
IBC Code: International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk
ICAO-TI: International Civil Aviation Organization Technical Instructions for the Safe Transport of Dangerous Goods by Air
IMDG Code: International Maritime Code for Dangerous Goods
ISO: International Organization for Standardization
LC: Lethal Concentration
LD: Lethal Dose
MWC: Maximum workplace concentration
MARPOL: Maritime Pollution: The International Convention for the Prevention of Pollution from Ships
OECD: Organisation for Economic Cooperation and Development
PBT: persistent, bioaccumulative, toxic
PNEC: Predicted No Effect Concentration
RID: Regulations concerning the International Carriage of Dangerous Goods by Rail
UN: United Nations
VOC: Volatile Organic Compounds
vPvB: very persistent and very bioaccumulative

Indication of changes
* Data changed compared with the previous version