SAFETY DATA SHEET

Safety Data Sheet according to (EC) No. 1907/2006 (and 2020/878).

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

1.1. Product identifier:

ACT Lime Soap Glue Paint - for indoor and outdoor use

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

Paint for indoor and outdoor use.

1.3. Nærmere oplysninger om leverandøren af sikkerhedsdatabladet:

ACT Colour Aps
Frederiksberggade 16 Phone: +45 40414905
DK-1459 Copenhagen K H: www.actcolour.com
Responsible person for the safety data sheet (e-mail): info@actcolour.com

1.4. Nødtelefon:

NHS (England or Wales): Dial 111 or 0845 4647 NHS 24 (Scotland): Dial 111
National Poisons Information Centre (Ireland): +353 (1) 809 2166 (8.00 a.m. to 10.00 p.m. 7 days a week).
Healthcare Professionals: +353 (1) 809 2566 (24-hour service)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture:

Skin irritant liquid that may cause serious eye damage.
CLP (1272/2008): Skin Irrit. 2;H315 Eye Dam. 1;H318

2.2. Label elements:

DANGER

Contain: Calcium hydroxide
H315: Causes skin irritation.
H318: Causes serious eye damage.
P101: If medical advice is needed, have product container or label at hand.
P102: Keep out of reach of children.
P280: Wear protective gloves/protective clothing/eye protection/face protection.
P302+P352: IF ON SKIN: Wash with plenty of water.
P305+P351+P338+P310: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/doctor.
P501: Dispose of contents/container according to local regulations.

2.3. Andre farer: Ingen kendte.

PBT/vPvB: No ingredients are PBT/vPvB, according to the criteria in Regulation 2023/707.
Endocrine disrupting properties: The substances are not identified as having endocrine disrupting properties in accordance with the criteria set out in Regulation 2023/707.

SECTION 3: Composition/information on ingredients

3.2. Mixtures: Water, binder, chalk (Calcium carbonate), soap and the following substance that must be declared:

% w/w	Substance name	CAS-no.	EC-no.	Index-no.	REACH reg.no.	Classification	SCL, M-factor, ATE	Note
10-<20	Calcium hydroxide	1305-62-0	215-137-3	-	01-2119475151- 45	Skin Irrit. 2;H315 Eye Dam. 1;H318 STOT SE 3;H335	-	-

Wording of hazard statements - see section 16.

SECTION 4: First-aid measures

4.1. Description of first aid measures:

Inhalation: Remove to fresh air. Keep at rest. In case of discomfort: Seek medical advice.
Skin contact: Remove contaminated clothing and wash with soap and water. If irritation persists: Seek medical advice.
Eye contact: Immediately flush with water or physiological salt water for at least 30 minutes, holding eye lids open, remember to remove contact lenses, if any. If irritation persists: seek medical advice..
Ingestion: Rinse mouth and drink plenty of water. **Do not induce vomiting.** Seek medical advice.

4.2. Most important symptoms and effects, both acute and delayed:

Irritation with redness, pain and severe eye damage. Repeated inhalation of particles/dust may cause lung disease.

4.3. Indication of any immediate medical attention and special treatment needed:

Show this safety data sheet to a physician or emergency ward.

SECTION 5: Fire-fighting measures

5.1. Extinguishing media:
Not flammable.
5.2. Special hazards arising from the substance or mixture:
Not relevant (the product is not combustible).
5.3. Advice for firefighters:
When extinguishing surrounding fires use breathing apparatus with an independent source of air.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures:
Use personal protective equipment - see section 8. Avoid further spreading. Ventilate area of leak or spill.
6.2. Environmental precautions:
Do not empty into drains – see section 12. Inform appropriate authorities in accordance with local regulations.
6.3. Methods and material for containment and cleaning up:
Absorb spilled liquid with inert material and place in a suitable container for disposal. Clean with water. Further handling of spillage - see section 13.
6.4. Reference to other sections:
See references above.

SECTION 7: Handling and storage

7.1. Precautions for safe handling:
Provide adequate ventilation. Avoid the gel to become in contact with skin, eyes and clothing. Remove contaminated clothes contaminated with the gel. Wash hands if contaminated. Required access to water and eye wash fountain.
7.2. Conditions for safe storage, including any incompatibilities:
Store only in the tightly closed electrode container at dry cool and well-ventilated area.
Store securely and out of reach of children and unauthorized personnel and separated from food, feed, drugs etc.
7.3. Specific end use(s):
See section 1.

SECTION 8: Exposure controls/Personal protection

8.1. Control parameters:
Occupational exposure limits (EH40/2005 with later amendments):

Substance	8-hour TWA	15-min STEL	Comments
Calcium hydroxide	5 mg/m3	-	-
Calcium hydroxide	1 mg/m3	4 mg/m3	Respirable fraction

DNEL:	Exposure	Value	Population	Effects
Calcium hydroxide	Inhalation, acute	4 mg/m^3	Worker	Local
	Inhalation, long term	1 mg/m^3	Worker	Local
	Inhalation, acute	4 mg/m^3	Consumer	Local
	Inhalation, long term	1 mg/m^3	Consumer	Local

PNEC:	Medium	Value
Calcium hydroxide	Freshwater	490 µg/l
	Marine water	320 µg/l
	Intermittent release	490 mg/l
	Soil	1080 mg/kg
	STP	3 mg/l

8.2. Exposure controls:
Appropriate engineering controls: None particular.
Personal protective equipment:
Respiratory protection: In case of working in not adequate ventilated areas or where particles are formed, use an approved mask (EN 149) with particle filter: P2. The filter has a limited lifetime and must be changed. Read the instruction.
Skin protection: Wear protective gloves of e.g. nitrile or neopren (>0.3 mm) (EN 374). Data on breakthrough time is not available for all ingredients and therefore, it is recommended to change the glove when spilled on. Coveralls must be used where contamination occurs to such an extent that ordinary workwear does not protect against skin contact with the product.
Eye protection: Use safety goggles (EN ISO 16321-1) when there is risk of eye contact.
Environmental exposure controls: None particular.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties:

Physical state:	Liquid, viscous
Colour:	White
Odour:	No odour
Melting point/freezing point (°C):	Not determined
Boiling point or initial boiling point and boiling range (°C):	> 100
Flammability (solid, gas):	Not relevant
Lower and upper explosion limit (vol-%):	Not determined
Flash point (°C):	> 93
Auto-ignition temperature (°C):	Not relevant
Decomposition temperature (°C):	Not determined
pH:	Strong alkaline
Dynamic viscosity (mPa.s @ 20 °C):	Not relevant
Solubility:	Soluble in water
Partition coefficient n-octanol/water (log value):	Not relevant - mixture
Vapour pressure:	Not volatile
Density and/or relative density:	1.3 – 1.5
Relative vapour density:	Not determined
Particle characteristics:	Not relevant - liquid

9.2. Other information:

VOC (%):	0

SECTION 10: Stability and reactivity

10.1. Reactivity:
No available data.
10.2. Chemical stability:
Stable under normal conditions (see section 7). Calcium hydroxide converts to chalk in contact with carbon dioxide.
10.3. Possibility of hazardous reactions:
None known.
10.4. Conditions to avoid:
Moisture (humid conditions).
10.5. Incompatible materials:
Strong acids.
10.6. Hazardous decomposition products:
When heated to high temperatures (decomposition) it emits toxic fumes such as carbon oxides.

SECTION 11: Toxicological information

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

Acute toxicity:	Based on available data, the classification criteria are not met.
Skin corrosion/irritation:	Skin Irrit.2;H315 – skin irritant
Serious eye damage/irritation:	Eye Dam. 1;H318 – eye damage
Respiratory or skin sensitization:	Based on available data, the classification criteria are not met.
Germ cell mutagenicity:	Based on available data, the classification criteria are not met.
Carcinogenicity:	Based on available data, the classification criteria are not met.
Reproductive toxicity:	Based on available data, the classification criteria are not met.
STOT-single exposure:	Based on available data, the classification criteria are not met.
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.

Hazard class	**Data** (Calcium hydroxide)	**Test**	**Data source**
Acute toxicity			
Inhalation	No available/applicable data	-	-
Dermal	LD_{50} (rabbit) = >2000 mg/kg	OECD 402	ECHA
Oral	LD_{50} (rat) = >2000 mg/kg	OECD 425	Supplier
Corrosion/irritation:	No skin irritation, eye damage, rabbit	OECD 404, 405	ECHA
Sensitization:	No skin sensitization, mouse	OECD 429	ECHA
CMR:	No CMR effects	OECD 471, read-across	ECHA

Information on likely routes of exposure: Inhalation, skin and ingestion.

SECTION 11: Toxicological information (continued)

Symptoms:
Inhalation: May cause irritation to the mucous membranes of the respiratory tract, causing sore throat and coughing.
Skin: Severe irritation, especially under damp/humid conditions.
Eyes: Causes severe irritation with redness and pain. Risk of serious eye damage.
Ingestion: Irritation of the mouth, throat, and stomach with abdominal cramps, vomiting (possibly bloody), diarrhea, and low blood pressure.
Chronic effects: Frequent, long-term inhalation of particles can lead to lung diseases.

11.2. Information on other hazards:
None known.

SECTION 12: Ecological information

12.1 Toxicity:

Aquatic	**Data** (Calcium hydroxide)	Test (Media)	Data source
Fish	LC_{50} (Gasterosteus aculeatus, 96h) = 457 mg/l	Ikke oplyst	ECHA
Crustaceans	LC_{50} (Crangon septemspinosa, 96h) = 158 mg/l	Ikke oplyst	ECHA
Algae	LC_{50} (Pseudokirchneriella sub.72h) = 184,57 mg/l	OECD 201 (FW)	ECHA

12.2 Persistence and degradability:
Calcium hydroxide is easily converted to calcium carbonate upon contact with atmospheric carbon dioxide. In water, calcium hydroxide dissociates into calcium and hydroxide ions. Calcium hydroxide is an inorganic substance. Methods for determining biodegradability do not apply to inorganic substances.

12.3 Bioaccumulative potential:
Calcium hydroxide is not expected to bioaccumulate.

12.4 Mobility in soil:
No available/applicable data.

12.5 Results of PBT and vPvB assessment:
No ingredients are PBT/vPvB, according to the criteria set out in Regulation 2023/707.

12.6. Endocrine disrupting properties:
None known.

12.7. Other adverse effects:
Release of large quantities can change the pH value in the aquatic environment and upset the balance of ecosystems.

SECTION 13: Disposal considerations

13.1. Waste treatment methods:
The mixture is to be considered as hazardous waste. Disposal should be according to local, state or national legislation. Dispose of through authority facilities or pass to chemical disposal company.
EWC-Code: 10 13 11 (mixture itself)

SECTION 14: Transport information

Not dangerous goods (ADR/RID/IMDG/IATA).
14.1. UN number or ID number: None.
14.2. UN proper shipping name: None.
14.3. Transport hazard class(es): None.
14.4. Packing group: None.
14.5. Environmental hazards: No.
14.6. Special precautions for user: None.
14.7. Maritime transport in bulk according to IMO instruments: Not relevant.

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture:
Occupational use:
Must not be used by persons under 18 years of age.
VOC: 0,0%

15.2. Chemical safety assessment:
No CSR.

SECTION 16: Other information

Hazard statements mentioned in section 2 and 3:
H315: Causes skin irritation.
H318: Causes serious eye damage.
H335: May cause respiratory irritation.

Abbreviations:
CMR = Carcinogenicity, mutagenicity and reproductive toxicity.
CSR = Chemical Safety Report
DNEL = Derived No-Effect Level
EC_{50} = Effect Concentration 50 %
EC Biocide = Dossier on biocidal active substances
FW = Fresh Water
LC_{50} = Lethal Concentration 50 %
LD_{50} = Lethal Dose 50 %
PBT = Persistent, Bioaccumulative, Toxic
PNEC = Predicted No-Effect Concentration
vPvB = very Persistent, very Bioaccumulative

Literature:
EPA Ecotox = The US Environmental Protection Agency's database on ecotoxicological effects for chemicals.
IUCLID = International Uniform ChemicaL Information Database.
RTECS = Register of Toxic Effects of Chemical Substances.
ECHA = REACH registration dossier (ECHA homepage, www.echa.eu)
IARC = International Agency for Research on Cancer.

Training advice:
No special training is required. However, the user should be well instructed in the execution of his/her task, be familiar with this Safety Data Sheet and have normal training in the use of personal protective equipment.

Changes since the previous edition:
Not relevant – first edition

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