

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878 Reference number: 2460B Issue date: 5/29/2024 Revision date: 5/29/2024 Supersedes version of: 5/18/2016 Version: 1.0

SECTION 1: Identification of the substance/mixture and of the company/undertaking 1.1. Product identifier Product form • Substance Trade name CALCIUM ACETATE HYDRATE AR CAS-No. 114460-21-8 Product code 2460B Type of product Organic compound (CH3COO)2Ca · X H2O Formula 2 Chemical structure Ca²⁺ • xH₂O H₂C Synonyms : Calcium diacetate Hydrate, Calcium ethanoate Hydrate 1.2. Relevant identified uses of the substance or mixture and uses advised against 1.2.1. Relevant identified uses Industrial/Professional use spec : Industrial For professional use only Use of the substance/mixture : Laboratory chemicals Manufacture of substances 1.2.2. Uses advised against No additional information available 1.3. Details of the supplier of the safety data sheet LOBA CHEMIE PVT.LTD. 107 Wode House Road, Jehangir Villa, Colaba 400005 Mumbai INDIA T +91 22 6663 6663, F +91 22 6663 6699 info@lobachemie.com, www.lobachemie.com 1.4. Emergency telephone number : + 91 22 6663 6663 (9:00am - 6:00 pm) Emergency number **SECTION 2: Hazards identification** 2.1. Classification of the substance or mixture Classification according to Regulation (EC) No. 1272/2008 [CLP] Not classified Adverse physicochemical, human health and environmental effects To our knowledge, this product does not present any particular risk, provided it is handled in accordance with good occupational hygiene and safety practice. 2.2. Label elements Labelling according to Regulation (EC) No. 1272/2008 [CLP] No labelling applicable

Nordic countries regulation

Denmark MAL code

: 00-3 (Executive Order No. 301 from 1993)

2.3. Other hazards

Contains no PBT and/or vPvB substances ≥ 0.1% assessed in accordance with REACH Annex XIII

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SECTION 3: Composition/information on ingredients		
3.1. Substances		
Substance type :	Mono-constituent	
Name	Product identifier	%
CALCIUM ACETATE HYDRATE	CAS-No.: 114460-21-8	100
3.2. Mixtures		

Not applicable

SECTION 4: First aid measures	
4.1. Description of first aid measures	
First-aid measures general First-aid measures after inhalation	 If you feel unwell, seek medical advice. Remove person to fresh air and keep comfortable for breathing. Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/doctor if you feel unwell.
First-aid measures after skin contact	: Wash with plenty of water/ Wash contaminated clothing before reuse. Get medical advice/attention. Wash skin with plenty of water.
First-aid measures after eye contact	: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical advice/attention.
First-aid measures after ingestion	: Rinse mouth. Do not induce vomiting. Call a poison center or a doctor if you feel unwell.
4.2. Most important symptoms and effects,	both acute and delayed
Symptoms/effects after inhalation Symptoms/effects after skin contact Symptoms/effects after eye contact Symptoms/effects after ingestion	 May cause respiratory irritation. Causes skin irritation. Causes serious eye irritation. None under normal conditions.

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

Treat symptomatically.

SECTION 5: Firefighting measures		
5.1. Extinguishing media		
Suitable extinguishing media Unsuitable extinguishing media	Carbon dioxide. Dry powder. Foam. Water spray.Do not use a heavy water stream.	
5.2. Special hazards arising from the substance or mixture		
Fire hazard Explosion hazard Hazardous decomposition products in case of fire	 No fire hazard. No direct explosion hazard. Toxic fumes may be released. 	
5.3. Advice for firefighters		
Firefighting instructions Protection during firefighting	 Fight fire from safe distance and protected location. Do not enter fire area without proper protective equipment, including respiratory protection. Do not enter fire area without proper protective equipment, including respiratory protection. Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing. 	

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SECTION 6: Accidental release measures	
6.1. Personal precautions, protective equipment and emergency procedures	
General measures	: Notify authorities if product enters sewers or public waters. Absorb spillage to prevent material damage.
6.1.1. For non-emergency personnel	
Protective equipment	: Wear recommended personal protective equipment.
Emergency procedures	: Ventilate spillage area. Evacuate unnecessary personnel.
6.1.2. For emergency responders	
Protective equipment	: Do not attempt to take action without suitable protective equipment. Equip cleanup crew with proper protection. For further information refer to section 8: "Exposure controls/personal protection".
Emergency procedures	: Evacuate unnecessary personnel.
6.2. Environmental precautions	
Avoid release to the environment.	
6.3. Methods and material for containmen	t and cleaning up
For containment Methods for cleaning up	 Using a clean shovel, put the material in a dry container and cover without compressing it. Mechanically recover the product. On land, sweep or shovel into suitable containers. Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible.
Other information	: Dispose of materials or solid residues at an authorized site.
6.4. Reference to other sections	
For further information refer to section 13.	

SECTION 7: Handling and storage	
7.1. Precautions for safe handling	
Additional hazards when processed Precautions for safe handling	 Not expected to present a significant hazard under anticipated conditions of normal use. Wear personal protective equipment. Avoid contact with skin and eyes. Use only outdoors or in a well-ventilated area. Do not breathe vapours.
Hygiene measures	: Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.
7.2. Conditions for safe storage, including any incompatibilities	
Technical measures Storage conditions Packaging materials	 Keep in a cool, well-ventilated place away from heat. Keep container tightly closed. Store in a well-ventilated place. Store always product in container of same material as original container.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.1.1 National occupational exposure and biological limit values

No additional information available

8.1.2. Recommended monitoring procedures

No additional information available

8.1.3. Air contaminants formed

No additional information available

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8.1.4. DNEL and PNEC

No additional information available

8.1.5. Control banding

No additional information available

8.2. Exposure controls

8.2.1. Appropriate engineering controls

Appropriate engineering controls:

Ensure good ventilation of the work station.

8.2.2. Personal protection equipment

Personal protective equipment:

Wear recommended personal protective equipment.

Personal protective equipment symbol(s):



8.2.2.1. Eye and face protection

Eye protection: Chemical goggles or safety glasses

8.2.2.2. Skin protection

Skin and body protection: Wear a mask

Hand protection: Protective gloves

8.2.2.3. Respiratory protection

Respiratory protection: Wear appropriate mask

8.2.2.4. Thermal hazards

No additional information available

8.2.3. Environmental exposure controls

Environmental exposure controls:

Avoid release to the environment.

SECTION 9: Physical and chemical properties	
9.1. Information on basic phys	cal and chemical properties
Physical state	: Solid
Colour	: White to off white.
Appearance	: Powder.
Molecular mass	: 158.17 g/mol
Odour	: slight acetic acid odor.
Odour threshold	: Not available
Melting point	: 160 °C (Decomposes)
Freezing point	: Not applicable
Boiling point	: Not available
Flammability	: Non flammable.
Lower explosion limit	: Not applicable
Upper explosion limit	: Not applicable
Flash point	Not applicable

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Auto-ignition temperature	: 340 °C
Decomposition temperature	: > 160 °C
pH	: 7-9
pH solution concentration	: 5 %
Viscosity, kinematic	: Not applicable
Solubility	: Water: 100 g/l at 25 °C - Soluble in water
	Ethanol: Slightly soluble
Partition coefficient n-octanol/water (Log Kow)	: Not available
Vapour pressure	: Not available
Vapour pressure at 50°C	: Not available
Density	: 1.52 g/cm³ at 20 °C
Relative density	: Not available
Relative vapour density at 20°C	: Not applicable
Particle size	: Not available

9.2. Other information

9.2.1. Information with regard to physical hazard classes

No additional information available

9.2.2. Other safety characteristics

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid

Air contact. Direct sunlight. Moisture.

10.5. Incompatible materials

No additional information available

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: Toxicological information

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

Acute toxicity (oral) Acute toxicity (dermal)	: Not classified : Not classified
Acute toxicity (inhalation)	: Not classified
Skin corrosion/irritation	: Not classified pH: 7 – 9
Serious eye damage/irritation	: Not classified pH: 7 – 9
Respiratory or skin sensitisation	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified

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STOT-single exposure	: Not classified	
STOT-repeated exposure	: Not classified	
Aspiration hazard	: Not classified	
CALCIUM ACETATE HYDRATE AR (114460-21-8)		
Viscosity, kinematic	Not applicable	
11.2. Information on other hazards		

No additional information available

SECTION 12: Ecological information	
12.1. Toxicity	
Hazardous to the aquatic environment, short–term : (acute)	The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment. Not classified
12.2. Persistence and degradability	
CALCIUM ACETATE HYDRATE AR (114460-2	1-8)
Persistence and degradability	Rapidly degradable
12.3. Bioaccumulative potential	
No additional information available	
12.4. Mobility in soil	
No additional information available	
12.5. Results of PBT and vPvB assessment	
No additional information available	
12.6. Endocrine disrupting properties	
No additional information available	
12.7. Other adverse effects	
No additional information available	

SECTION 13: Disposal considerations		
13.1. Waste treatment methods		
Regional waste regulation	: Disposal must be done according to official regulations.	
Waste treatment methods	: Dispose of contents/container in accordance with licensed collector's sorting instructions.	
Sewage disposal recommendations	: Disposal must be done according to official regulations.	
Product/Packaging disposal recommendations	 Comply with applicable regulations for solid waste disposal. Disposal must be done according to official regulations. 	
Additional information	: Do not re-use empty containers.	

SECTION 14: Transport information

In accordance with ADR / IMDG / IATA / ADN / RID

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14.1. UN number or ID number	
Not regulated for transport	
14.2. UN proper shipping name	
Proper Shipping Name (ADR) Proper Shipping Name (IMDG) Proper Shipping Name (IATA) Proper Shipping Name (ADN) Proper Shipping Name (RID)	 Not regulated Not regulated Not regulated Not regulated Not regulated
14.3. Transport hazard class(es)	
ADR Transport hazard class(es) (ADR)	: Not regulated
IMDG Transport hazard class(es) (IMDG)	: Not regulated
IATA Transport hazard class(es) (IATA)	: Not regulated
ADN Transport hazard class(es) (ADN)	: Not regulated
RID Transport hazard class(es) (RID)	: Not regulated
14.4. Packing group	
Packing group (ADR) Packing group (IMDG) Packing group (IATA) Packing group (ADN) Packing group (RID)	 Not regulated Not regulated Not regulated Not regulated Not regulated Not regulated
14.5. Environmental hazards	
Other information	: No supplementary information available
14.6. Special precautions for user	
Overland transport Not regulated	
Transport by sea Not regulated	
Air transport Not regulated	
Inland waterway transport Not regulated	
Rail transport Not regulated	
14.7. Maritime transport in bulk according	g to IMO instruments
Not applicable	

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SECTION 15: Regulatory information

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

15.1.1. EU-Regulations

REACH Annex XVII (Restriction List)

Not listed on REACH Annex XVII

REACH Annex XIV (Authorisation List)

Not listed on REACH Annex XIV (Authorisation List)

REACH Candidate List (SVHC)

Not listed on the REACH Candidate List

PIC Regulation (Prior Informed Consent)

Not listed on the PIC list (Regulation EU 649/2012)

POP Regulation (Persistent Organic Pollutants)

Not listed on the POP list (Regulation EU 2019/1021)

Ozone Regulation (1005/2009)

Not listed on the Ozone Depletion list (Regulation EU 1005/2009)

Dual-Use Regulation (428/2009)

Contains no substance subject to the COUNCIL REGULATION (EC) No 428/2009 of 5 May 2009 setting up a Community regime for the control of exports, transfer, brokering and transit of dual-use items.

Explosives Precursors Regulation (2019/1148)

Contains no substance(s) listed on the Explosives Precursors list (Regulation EU 2019/1148 on the marketing and use of explosives precursors)

Drug Precursors Regulation (273/2004)

Contains no substance(s) listed on the Drug Precursors list (Regulation EC 273/2004 on the manufacture and the placing on market of certain substances used in the illicit manufacture of narcotic drugs and psychotropic substances)

15.1.2. National regulations

Germany

Water hazard class (WGK)	: Not classified according to Regulation Governing Systems for Handling Substances Hazardous to Waters (AwSV).
Hazardous Incident Ordinance (12. BImSchV)	: Is not subject to the Hazardous Incident Ordinance (12. BImSchV)
Netherlands	
SZW-lijst van kankerverwekkende stoffen	: The substance is not listed
SZW-lijst van mutagene stoffen	: The substance is not listed
SZW-lijst van reprotoxische stoffen – Borstvoeding	: The substance is not listed
SZW-lijst van reprotoxische stoffen – Vruchtbaarheid	: The substance is not listed
SZW-lijst van reprotoxische stoffen – Ontwikkeling	: The substance is not listed
Denmark	
MAL code	: 00-3 (Executive Order No. 301 from 1993)

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information	
Abbreviations and acronyms:	
ADN	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road

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ATEAcute Toxicity EstimateBCFBioconcentration factorBLVBiological Inity alueBODBiochemical oxygen demand (BOD)CDDChemical oxygen demand (CDD)DMELDerived Minimal Effect levelDNELBiochemical oxygen demand (CDD)DNELBiochemical oxygen demand (CDD)DNELBiochemical oxygen demand (CDD)COMBiochemical oxygen demand (CDD)DNELBiochemical oxygen demand (CDD)ECNo.Biochemical ScienceECNo.Biochemical ScienceECNo.Biochemical ScienceIARCIntentional Agency for Research on CancerIARCIntentional Adritime Dangerous GoodsIARGIntentional Maritime Dangerous GoodsLOSDMedian tehtal concentrationLOSLKoesto Observed Adverse Effect LevelNAELNocesto Observed Adverse Effect LevelNAELNocesto Adverse Effect ConcentrationNAELNocestored Adverse Effect LevelNAELNochesrved Effect ConcentrationNAELNochesrved Effect ConcentrationNAELNochesrved Effect ConcentrationNAELNochesrved Information and DevelopmentOELObserved Informational Carriage of Dangerous Goods by RailStrictNochesrved Informational Carriage of Dangerous Goods by RailNDESaladions concentrationNDENochestorentrationStrictNochestorentrationStrictNochestorentrationNDENochestorentrationStrictNoc	Abbreviations and acronyms:		
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OECDOrganisation for Economic Co-operation and DevelopmentOELOccupational Exposure LimitOELPersistent Bioaccumulative ToxicPNECPredicted No-Effect ConcentrationRIDRegulations concerning the International Carriage of Dangerous Goods by RailSDSSafety Data SheetSTPSewage treatment plantThODTheoretical oxygen demand (ThOD)TLMVolatile Organic CompoundsCAS-No.Chemical Abstract Service numberN.O.S.Not Otherwise SpecifiedvPBVery Persistent and Very Bioaccumulative	NOAEL	No-Observed Adverse Effect Level	
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PBTPersistent Bioaccumulative ToxicPNECPredicted No-Effect ConcentrationRIDRegulations concerning the International Carriage of Dangerous Goods by RailSDSSafety Data SheetSTPSewage treatment plantThODTheoretical oxygen demand (ThOD)TLMMedian Tolerance LimitVOCVolatile Organic CompoundsCAS-No.Chemical Abstract Service numberN.O.S.Not Otherwise SpecifiedVPBVery Persistent and Very Bioaccumulative	OECD	Organisation for Economic Co-operation and Development	
PNECPredicted No-Effect ConcentrationRIDRegulations concerning the International Carriage of Dangerous Goods by RailSDSSafety Data SheetSTPSewage treatment plantThODTheoretical oxygen demand (ThOD)TLMMedian Tolerance LimitVOCVolatile Organic CompoundsCAS-No.Chemical Abstract Service numberN.O.S.No Otherwise SpecifiedvPvBVery Persistent and Very Bioaccumulative	OEL	Occupational Exposure Limit	
RIDRegulations concerning the International Carriage of Dangerous Goods by RailSDSSafety Data SheetSTPSewage treatment plantThODTheoretical oxygen demand (ThOD)TLMMedian Tolerance LimitVOCVolatile Organic CompoundsCAS-No.Chemical Abstract Service numberN.O.S.No Otherwise SpecifiedVPBVery Persistent and Very Bioaccumulative	РВТ	Persistent Bioaccumulative Toxic	
SDSSafety Data SheetSTPSewage treatment plantThODTheoretical oxygen demand (ThOD)TLMMedian Tolerance LimitVOCVolatile Organic CompoundsCAS-No.Chemical Abstract Service numberN.O.S.Not Otherwise SpecifiedvPvBVery Persistent and Very Bioaccumulative	PNEC	Predicted No-Effect Concentration	
STPSewage treatment plantThODTheoretical oxygen demand (ThOD)TLMMedian Tolerance LimitVOCVolatile Organic CompoundsCAS-No.Chemical Abstract Service numberN.O.S.Not Otherwise SpecifiedvPvBVery Persistent and Very Bioaccumulative	RID	Regulations concerning the International Carriage of Dangerous Goods by Rail	
ThODTheoretical oxygen demand (ThOD)TLMMedian Tolerance LimitVOCVolatile Organic CompoundsCAS-No.Chemical Abstract Service numberN.O.S.Not Otherwise SpecifiedvPvBVery Persistent and Very Bioaccumulative	SDS	Safety Data Sheet	
TLMMedian Tolerance LimitVOCVolatile Organic CompoundsCAS-No.Chemical Abstract Service numberN.O.S.Not Otherwise SpecifiedvPvBVery Persistent and Very Bioaccumulative	STP	Sewage treatment plant	
VOC Volatile Organic Compounds CAS-No. Chemical Abstract Service number N.O.S. Not Otherwise Specified vPvB Very Persistent and Very Bioaccumulative	ThOD	Theoretical oxygen demand (ThOD)	
CAS-No. Chemical Abstract Service number N.O.S. Not Otherwise Specified vPvB Very Persistent and Very Bioaccumulative	TLM	Median Tolerance Limit	
N.O.S. Not Otherwise Specified vPvB Very Persistent and Very Bioaccumulative	VOC	Volatile Organic Compounds	
vPvB Very Persistent and Very Bioaccumulative	CAS-No.	Chemical Abstract Service number	
	N.O.S.	Not Otherwise Specified	
ED Endocrine disrupting properties	vPvB	Very Persistent and Very Bioaccumulative	
	ED	Endocrine disrupting properties	

Safety Data Sheet (SDS), EU

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.