

Safety Data Sheet according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830 and according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations Revision date: 16/08/2022 Date of issue: 16/05/2011 Supersedes: 18/01/2016

CLM-4449

Version: 3.0

Product form : Substance anne : OXALIC ACID, DISODUM SALT (1,2-13C2, 99%) EC Index-No. : SOV-907-00-3 (Unlabeled) EC-No. : 200-250-3 (Unlabeled) EC-No. : : 200-250-3 (Unlabeled) EC-No. : 200-250-3 (Unlabeled) Formula : No-07C * COONA Synoryms : : Ethanedicic acidsodium salt. Oxalic acid disodium salt 1.2. Relevant identified uses Hain use category : Professional use Industrial/Professional use spac : For professional use only 1.2. Uses advised against No additional information available 1.3. Details of the supplier of the safety data sheet Carabridge lostope Laboratories, Inc. So Forniage Road Andover, MA 01810 USA Andover, MA 01810 USA USA: 1-800-322-1174 Int: 1-978-749-8000 Classless Bistobre, Com www.isobe.com Emergency tulephone number Emergency tulephone number Emergency tulephone number Emergency tulephone number Emergency tulephone number Emergency tulephone number Emergency tulephone number Elemergency numbers: Classification of the substance or mixture Classification acording to Regulation (EC) No. 1272/2008 (CLP) Acute Tox. 4 (Oral) H302 Acute Tox. 4 (Oral) H302 Acute Tox. 4 (Oral) H302 Acute Tox. 4 (Oral) H302 Acute Tox. 4 (Oral) H302 Ac			
1.1 Product Identifier Product form : Substance Substance name : OXALIC ACID, DISODIUM SALT (1,2-13C2, 99%) EC, Index-No. : 607-007-003 (Unlabeled) EC, No. : 200-550-3 (Unlabeled) CAS-No. : 200-550-3 (Unlabeled) CAS-No. : 200-550-3 (Unlabeled) CAS-No. : 200-550-3 (Unlabeled) CAS-No. : 200-550-3 (Unlabeled) Synoryms : Ethanedioic acidsodium salt. Oxalic acid disodium salt Synoryms : Ethanedioic acidsodium salt. Oxalic acid disodium salt 1.1. Relevant identified uses of the substance or mixture and uses advised against 1.2.1. Relevant identified uses For professional use Industrial/Professional use spec : For professional use only 1.2.1. Use advised against Vadditional information available 1.3. Details of the subplier of the safety data sheet Cambridge Isotope com Cambridge Isotope com Www.isotope.com Sprontage Reado USA Ho0-322-1174 Int: 1-978-749-8000 Balaesi Biotope.com USA	SECTION 1: Identification of the s	ubstance/mixture and of the company/undertaking	
Substance name : :: <td::< td=""> :: ::</td::<>			
EC Index-No. : 907-077-00-3 (Unlabeled) EC-No. : 200550-3 (Unlabeled) CG-No. : 200550-3 (Unlabeled) CG-No. : 200550-3 (Unlabeled) CG-No. : 200520-12 Product code : 2004-4449 Formula : NaO'C'COONa Synonyms : Ethanedicia calcid disodium salt 1.2. Relevant identified uses of the substance or mixture and uses advised against 1.2. Relevant identified uses 5 for professional use Main use category : Professional use only 1.2. Uses advised against Na dditional information available 1.3. Details of the supplier of the safety data sheet Cambridge Isotope Laboratoriories, Inc. 50 Frontage Road Andower, MA 01810 USA: 1-800-322-1174 Int: 1-978-748-8000 calleades@isotope.com Emergency telephone number Emergency telephone number	Product form	: Substance	
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Acute Tox. 4 (Dermal) H312			
Full text of H statements : see section 16	Acute Tox. 4 (Dermal) H312		
	Full text of H statements : see section 16		

Adverse physicochemical, human health and environmental effects

Kidney, Nerves, Blood, Eyes.

Safety Data Sheet according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830 and according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

2.2. Label elements	
Labeling according to Regulation (EC) No.	o. 1272/2008 [CLP]
Hazard pictograms (CLP)	
	GHS07
Signal word (CLP)	: Warning
Hazard statements (CLP)	: H302+H312 - Harmful if swallowed or in contact with skin
Precautionary statements (CLP)	: P264 - Wash Both hands thoroughly after handling.
	P270 - Do not eat, drink or smoke when using this product.
	P280 - Wear protective clothing, protective gloves. P301+P312 - IF SWALLOWED: Call a POISON CENTER or doctor if you feel unwell.
	P302+P312 - IF SWALLOWED. Can a POISON CENTER of doctor if you reel unwell. P302+P352 - IF ON SKIN: Wash with plenty of water.
	P312 - Call a POISON CENTER or doctor if you feel unwell.
	P330 - Rinse mouth. P362+P364 - Take off contaminated clothing and wash it before reuse.
	F 302+F 304 - Take on containinated clothing and wash it before reuse.
GHS-US labeling	
GIIS-05 labeling	
Hazard pictograms (GHS-US)	
	GHS07
Signal word (GHS-US)	: Warning
Hazard statements (GHS-US)	: H302+H312 - Harmful if swallowed or in contact with skin
Precautionary statements (GHS-US)	: P264 - Wash Both hands thoroughly after handling.
	P270 - Do not eat, drink or smoke when using this product.
	P280 - Wear protective clothing, protective gloves. P301+P312 - If swallowed: Call a poison center or doctor if you feel unwell
	P302+P352 - If on skin: Wash with plenty of water
	P312 - Call a poison center or doctor if you feel unwell
	P322 - Specific treatment (see supplemental first aid instruction on this label) P330 - Rinse mouth.
	P362+P364 - Take off contaminated clothing and wash it before reuse.
	P501 - Dispose of contents/container to Comply with applicable regulations

Other hazards 2.3.

No additional information available

SECTION 3: Composition/Information on ingredients

3.1. Substances			
Name	Product identifier	%	Classification according to Directive 67/548/EEC
OXALIC ACID, DISODIUM SALT (1,2-13C2, 99%)	(CAS-No.) 260429-91-2 (EC-No.) 200-550-3 (Unlabeled) (EC Index-No.) 607-007-00-3 (Unlabeled)	100	Xn; R21/22
Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
OXALIC ACID, DISODIUM SALT (1,2-13C2, 99%)	(CAS-No.) 260429-91-2 (EC-No.) 200-550-3 (Unlabeled) (EC Index-No.) 607-007-00-3 (Unlabeled)	100	Acute Tox. 4 (Oral), H302 Acute Tox. 4 (Dermal), H312

Full text of R- and H- phrases: see section 16

Name		Product identifier	%	GHS-US classification
OXALIC AC (Main constitu	ID, DISODIUM SALT (1,2-13C2, 99%) ient)	(CAS-No.) 260429-91-2	100	Acute Tox. 4 (Oral), H302 Acute Tox. 4 (Dermal), H312

Full text of H-phrases: see section 16

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830 and according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

3.2. **Mixtures** Not applicable SECTION 4: First aid measures **Description of first aid measures** 4.1. : Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of First-aid measures general dangerous area. First-aid measures after inhalation If breathed in, move person to fresh air. If not breathing, give artificial respiration. Consult a physician. First-aid measures after skin contact : Wash with soap and plenty of water. Consult a physician. First-aid measures after eye contact : Flush eye with water for 15 minutes. Get medical attention. First-aid measures after ingestion Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician. 4.2. Most important symptoms and effects, both acute and delayed Symptoms/effects after inhalation : May be harmful if inhaled. May cause respiratory tract irritation. : Harmful if absorbed through skin. May cause skin irritation. Symptoms/effects after skin contact Symptoms/effects after eye contact : May cause eye irritation. Symptoms/effects after ingestion : Harmful if swallowed. 4.3. Indication of any immediate medical attention and special treatment needed No additional information available SECTION 5: Firefighting measures 5.1. **Extinguishing media** Suitable extinguishing media : Use water spray, alcohol-resistant foam, dry chemical, or carbon dioxide. 52 Special hazards arising from the substance or mixture No additional information available 5.3. Advice for firefighters Protection during firefighting : Wear self-contained breathing apparatus for fire fighting if necessary. Wear suitable protective clothing SECTION 6: Accidental release measures 6.1 Personal precautions, protective equipment and emergency procedures 6.1.1. For non-emergency personnel : Use personal protective equipment. Avoid dust formation. Avoid breathing dust. Ensure Emergency procedures adequate ventilation. 6.1.2. For emergency responders No additional information available **Environmental precautions** 6.2. Do not let product enter drains. 6.3. Methods and material for containment and cleaning up For containment : Pick up and arrange disposal without creating dust. Keep in suitable, closed containers for disposal. 6.4. **Reference to other sections** No additional information available SECTION 7: Handling and storage Precautions for safe handling 7.1. Additional hazards when processed : Avoid contact with skin and eyes. Avoid formation of dust and aerosols. Provide appropriate exhaust ventilation at places where dust is formed. Normal measures for preventive fire protection Hygiene measures Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday. 7.2. Conditions for safe storage, including any incompatibilities Storage conditions : Store at room temperature away from light and moisture. Specific end use(s) 7.3.

Safety Data Sheet according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830 and according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

SECTION 8: Exposure controls/pe	rsonal protection
8.1. Control parameters	
No additional information available	
8.2. Exposure controls Personal protective equipment	: Gloves. Protective clothing. Protective goggles. Self-contained breathing apparatus.
Personal protective equipment	Cloves. Protective cloning. Protective goggles. Self-contained breathing apparatus.
Eye protection	: Wear safety glasses with side shields (or goggles) and a face shield.
Skin and body protection	: Choose body protection according to the amount and concentration of the dangerous substance at the work place.
Respiratory protection	: When appropriate, use NIOSH/CEN approved respirator.
SECTION 9: Physical and chemica	I properties
9.1. Information on basic physical and	
Physical state	: Solid
Appearance	: Solid
Molecular mass	: 135.98 g/mol (Labeled)
Color	: White
Odor	: No data available
Odor threshold	: No data available
рН	: No data available
Relative evaporation rate (butyl acetate=1)	: No data available
Melting point	: 250 °C (482 °F)
Freezing point	: No data available
Boiling point	: No data available
Flash point	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: 250 °C (482 °F) -
Flammability (solid, gas)	: No data available
Vapor pressure	: No data available
Relative vapor density at 20 °C	: No data available
Relative density	: 2.340 g/cm3
Solubility	: Water: ca. 13.4 g/l at 20 °C (68 °F)
Log Pow	: No data available
Log Kow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidizing properties	: No data available
Explosion limits	: No data available
9.2. Other information	
No additional information available	
SECTION 10: Stability and reactivi	tv
10.1. Reactivity	
No additional information available	
10.2. Chemical stability	
Stable if stored under recommended condition	IS.
10.3. Possibility of hazardous reactions	S
No additional information available	
10.4. Conditions to avoid	
Avoid moisture	

Safety Data Sheet according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830 and according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

10.5. Incompatible materials			
Strong oxidizing agents			
10.6. Hazardous decomposition products	10.6. Hazardous decomposition products		
Formed under fire conditions: Carbon oxides, So	dium oxides		
SECTION 11: Toxicological informat	ion		
11.1. Information on toxicological effects			
Acute toxicity	: Oral: Harmful if swallowed. Dermal: Harmful in contact with skin.		
OXALIC ACID, DISODIUM SALT (1,2-13C2, 9	9%) (260429-91-2)		
LD50 oral rat	11160 mg/kg		
ATE CLP (oral)	500.000 mg/kg body weight		
ATE CLP (dermal)	1100.000 mg/kg body weight		
Skin corrosion/irritation	: Not classified		
Serious eye damage/irritation	: Not classified		
Respiratory or skin sensitization	: Not classified		
Germ cell mutagenicity	: Not classified		
Carcinogenicity	: Not classified		
Reproductive toxicity	: Not classified		
Specific target organ toxicity – single exposure	: Not classified		
Specific target organ toxicity – repeated exposure	: Not classified		
Aspiration hazard	: Not classified		
Potential Adverse human health effects and symptoms	: 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.		
Symptoms/effects after inhalation	: May be harmful if inhaled. May cause respiratory tract irritation.		
Symptoms/effects after skin contact	: Harmful if absorbed through skin. May cause skin irritation.		
Symptoms/effects after eye contact	: May cause eye irritation.		
Symptoms/effects after ingestion	: Harmful if swallowed.		

SECTI	ON 12: Ecological information		
12.1.	Toxicity		
OXALI	OXALIC ACID, DISODIUM SALT (1.2-13C2, 99%) (260429-91-2)		
LC50 fi	ish 1	630 mg/l - 96 h, Danio rerio (zebra fish) -	
EC50 [Daphnia 1	397.98 mg/l - 24 h, Daphnia magna (Water flea) -	
12.2.	Persistence and degradability		
No addit	ional information available		
12.3.	Bioaccumulative potential		
No addit	ional information available		
12.4.	Mobility in soil		
No addit	ional information available		
12.5.	Results of PBT and vPvB assessment		
No addit	ional information available		
12.6.	Other adverse effects		
No addit	ional information available		
SECTI	ON 13: Disposal considerations		
13.1.	Waste treatment methods		
Waste tr	eatment methods :	Offer surplus and non-recyclable solutions to a licensed disposal company. Contact licensed disposal company to dispose of this material. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an after burner and scrubber.	

Safety Data Sheet according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830 and according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

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SECTION 14: Transport informatio	n
In accordance with ADR / RID / IMDG / IATA /	/ ADN
14.1. UN number	
Not applicable	
14.2. UN proper shipping name	
Not applicable	
14.3. Additional information	
Other information	: No supplementary information available.
Special transport precautions	: Not dangerous goods.
Overland transport	
No additional information available	
Transport by sea	
No additional information available	
Air transport	
No additional information available	
14.4. Environmental hazards	
Other information	: No supplementary information available.
14.5. Special precautions for user	
Special transport precautions	: Not dangerous goods.

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code 14.6.

Not applicable

SECTION 15: Regulatory information		
15.1. US Federal regulations		
OXALIC ACID, DISODIUM SALT (1,2-13C2, 99%) (260429-91-2)		
SARA Section 302 Threshold Planning Quantity (TPQ)	Not subject to reporting requirements of the United States SARA Section 302	
SARA Section 313 - Emission Reporting	Not subject to reporting requirements of the United States SARA Section 313	

15.2. International regulations

CANADA

OXALIC ACID, DISODIUM SALT (1,2-13C2, 99%) (260429-91-2)
Listed on the Canadian DSL (Domestic Substances List)

15.2.1. National regulations

No additional information available

15.3. US State regulations

OXALIC ACID, DISODIUM SALT (1,2-13C2, 99%)(260429-91-2)		
U.S California - Proposition 65 - Carcinogens List	No	
U.S California - Proposition 65 - Developmental Toxicity	No	
U.S California - Proposition 65 - Reproductive Toxicity - Female	No	
U.S California - Proposition 65 - Reproductive Toxicity - Male	No	
State or local regulations	RTK - U.S Pennsylvania - RTK (Right to Know) List RTK - U.S New Jersey - Right to Know Hazardous Substance List	

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830 and according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

SECTION 16: Other information

Other information

: This product is not radioactive. The data given for this product are those of the corresponding unlabeled compound, unless specifically indicated otherwise. Health and safety data for labeled compounds are generally not available, but are assumed to be similar or identical to the corresponding unlabeled compound.

Full text of R-, H- and EUH-phrases:

Acute Tox. 4 (Dermal)	Acute toxicity (dermal) Category 4
Acute Tox. 4 (Oral)	Acute toxicity (oral) Category 4
H302	Harmful if swallowed
H312	Harmful in contact with skin
R21/22	Harmful in contact with skin and if swallowed
Xn	Harmful

NFPA health hazard	: 1 - Materials that, under emergency conditions, can cause significant irritation.
NFPA fire hazard	: 0 - Materials that will not burn under typical fire conditions, including intrinsically noncombustible materials such as concrete, stone, and sand.
NFPA reactivity	: 0 - Material that in themselves are normally stable, even under fire conditions.
Hazard Rating	
Health	: 1 Slight Hazard - Irritation or minor reversible injury possible
Flammability	: 0 Minimal Hazard
Physical	: 0 Minimal Hazard

CIL Substance SDS

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