

Safety Data Sheet according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830 Date of issue: 8/27/2019 Version: 1.0

	nce/mixture and of the company/undertaking
1.1. Product identifier	- Cubatanaa
Product form	: Substance
Substance name	: 2,2'-Biquinoline-4,4'-dicarboxylic acid disodium salt
IUPAC name	: disodium;2-(4-carboxylatoquinolin-2-yl)quinoline-4-carboxylate
CAS-No.	: 979-88-4
Product code	: 26621804
Formula	: C20H10N2O4·2Na
Product group	: Raw material
1.2. Relevant identified uses of the substance	e or mixture and uses advised against
1.2.1. Relevant identified uses	
Main use category	: Laboratory use,Industrial use,Professional use
Industrial/Professional use spec	: For professional use only
Use of the substance/mixture	: For analytical purposes Scientific research and development Not for human consumption or veterinary purposes.
1.2.2. Uses advised against No additional information available	
1.3. Details of the supplier of the safety data	sheet
Supplier	
Scafell Organics Molekula Ltd Lingfield Way Darlington - England T +44 (0) 1949 823777 / +44 (0) 7590 545705 info@molekula.com / kbowen@molekula.com - www.	. <u>molekula.com</u>
1.4. Emergency telephone number	
	·44 (0) 7590 545705
SECTION 2: Hazards identification	
2.1. Classification of the substance or mixtu	re
Classification according to Regulation (EC) No. 12	272/2008 [C] P]
Skin corrosion/irritation, Category 2	H315
Serious eye damage/eye irritation, Category 2	
	H/310
	H319 H334
Respiratory sensitisation, Category 1B	H319 H334
Respiratory sensitisation, Category 1B Full text of H statements : see section 16 Adverse physicochemical, human health and envi No additional information available	H334
Respiratory sensitisation, Category 1B Full text of H statements : see section 16 Adverse physicochemical, human health and envi No additional information available 2.2. Label elements	H334 ironmental effects
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Respiratory sensitisation, Category 1B Full text of H statements : see section 16 Adverse physicochemical, human health and envi No additional information available 2.2. Label elements Labelling according to Regulation (EC) No. 1272/2 Hazard pictograms (CLP) Signal word (CLP)	H334 ironmental effects COOS [CLP] GHS08 : Danger
Respiratory sensitisation, Category 1B Full text of H statements : see section 16 Adverse physicochemical, human health and envi No additional information available 2.2. Label elements Labelling according to Regulation (EC) No. 1272/2 Hazard pictograms (CLP)	H334 ironmental effects
Respiratory sensitisation, Category 1B Full text of H statements : see section 16 Adverse physicochemical, human health and envi No additional information available 2.2. Label elements Labelling according to Regulation (EC) No. 1272/2 Hazard pictograms (CLP) Signal word (CLP)	H334 ironmental effects COSS [CLP] GHS08 CLP] GHS08 : Danger : H315 - Causes skin irritation. H319 - Causes serious eye irritation.

This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII

This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

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SECTION 3: Composition/information on ingredients		
3.1. Substances		
Name	Product identifier	%
2,2'-Biquinoline-4,4'-dicarboxylic acid disodium salt	(CAS-No.) 979-88-4	100
Full text of H-statements: see section 16		

3.2. Mixtures

Not applicable

SECTION 4: First aid measures	
4.1. Description of first aid measures	
First-aid measures general	: If possible show this sheet, if not available show packaging or label. Never give anything by mouth to an unconscious person. Do not leave affected person unattended.
First-aid measures after inhalation	: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. Give oxygen or artificial respiration if necessary. If breathing difficulties persist : Get medical advice/attention.
First-aid measures after skin contact	: After contact with skin, take off immediately all contaminated clothing, and wash immediately with plenty of water. Do not remove clothing if it sticks to the skin. If irritation persists, consult a doctor.
First-aid measures after eye contact	: Rinse immediately with plenty of water. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
First-aid measures after ingestion	: Rinse mouth out with water. Do not induce vomiting. Get medical advice/attention.
4.2. Most important symptoms and effects	s, both acute and delayed
Symptoms/effects	: May cause allergy or asthma symptoms or breathing difficulties if inhaled. May cause sensitisation of susceptible persons.
Symptoms/effects after inhalation	: Inhalation may cause irritation (cough, short breathing, difficulty in breathing). Headache.
Symptoms/effects after skin contact	: May cause moderate irritation, including burning sensation, tearing, redness or swelling. Itching.
Symptoms/effects after eye contact	: Causes serious eye irritation. redness, itching, tears. stinging.
Symptoms/effects after ingestion	: May cause irritation to the digestive tract. Abdominal pain, nausea.
4.3. Indication of any immediate medical a Get immediate medical advice/attention.	ttention and special treatment needed

SECTION 5: Firefighting measures	
5.1. Extinguishing media	
Suitable extinguishing media	: Foam. Dry powder. Carbon dioxide. Water spray. Sand.
Unsuitable extinguishing media	: Do not use a heavy water stream.
5.2. Special hazards arising from the substa	ince or mixture
Hazardous decomposition products in case of fire	: Carbon oxides (CO, CO2). Nitrogen oxides.
5.3. Advice for firefighters	
Precautionary measures fire	: Keep container tightly closed and away from heat, sparks and flame. Keep away from combustible materials.
Firefighting instructions	: Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire fighting water from entering the environment.
Protection during firefighting	: Do not enter fire area without proper protective equipment, including respiratory protection.
Other information	: Warn all persons of toxic hazard.

SECTION 6: Accidental release meas			
6.1. Personal precautions, protective equipment and emergency procedures			
General measures	: Isolate from fire, if possible, without unnecessary risk. Avoid dust formation. No flames, no sparks. Eliminate all sources of ignition.		
6.1.1. For non-emergency personnel			
Protective equipment	: Wear recommended personal protective equipment.		
Emergency procedures	: Evacuate unnecessary personnel. Mark out the contaminated area with signs and prevent access to unauthorized personnel. Do not touch or walk on the spilled product. Avoid contact with skin, eyes and clothing.		
Measures in case of dust release	: Keep upwind. Avoid creating or spreading dust. Ventilate the area thoroughly, especially low lying areas (basements, workpits etc).		
6.1.2. For emergency responders			
Protective equipment	: Equip cleanup crew with proper protection. Use self-contained breathing apparatus and chemically protective clothing.		
Emergency procedures	: Ventilate area.		
6.2. Environmental precautions			
Prevent entry to sewers and public waters. Notify	authorities if product enters sewers or public waters.		

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6.3. Methods and material for containment and cleaning up

Methods for cleaning up

: On land, sweep or shovel into suitable containers. Shovel or sweep up and put in a closed container for disposal.

6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

SECTION 7: Handling and storage	
7.1. Precautions for safe handling	
Precautions for safe handling	: Avoid creating or spreading dust. Provide local exhaust or general room ventilation.
Hygiene measures	: Take off immediately all contaminated clothing and wash it before reuse. 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.
7.2. Conditions for safe storage, including a	any incompatibilities
Technical measures	: Ensure adequate ventilation, especially in confined areas.
Storage conditions	: Keep only in the original container in a cool, well ventilated place away from : Heat sources, Direct sunlight. Keep container closed when not in use.
Incompatible products	: Strong oxidizing agents. Strong acids. alkalis.
Incompatible materials	: Sources of ignition. Direct sunlight. Heat sources.
Storage temperature	: 2 - 8 °C
Heat and ignition sources	: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
Storage area	: Store in a dry place. Store in a closed container.
7.2 Specific and use(a)	

7.3. Specific end use(s)

For analytical purposes. Scientific research and development. Not for human consumption or veterinary purposes.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

No additional information available

8.2. Exposure controls

Appropriate engineering controls:

Handle in accordance with good industrial hygiene and safety procedures.

Personal protective equipment:

Avoid all unnecessary exposure.

Materials for protective clothing:

Wear suitable protective clothing, gloves and eye/face protection

Hand protection:

The protective gloves to be used must comply with the specifications of the regulation 2016/425 and the resultant standard EN 374

Туре	Material	Permeation	Thickness (mm)	Penetration	Standard
Disposable gloves	Nitrile rubber (NBR)	6 (> 480 minutes)	0.11		EN 374

Eye protection:

Emergency eye wash fountains should be available in the immediate vicinity of any potential exposure. Use eye protection according to EN 166, designed to protect against powders and dusts.

Туре	Use	Characteristics	Standard
Safety goggles	Fine dust, Dust	tightly fitting safety goggles, With side shields	EN 166

Skin and body protection:

Emergency safety showers should be available in the immediate vicinity of any potential exposure. Keep suitable chemically resistant protective clothing readily available for emergency use

Туре	Standard
Protective clothing (with elasticated cuffs and closed neck)	EN ISO 13982

Respiratory protection:

Keep self contained breathing apparatus readily available for emergency use. Where exposure through inhalation may occur from use, respiratory protection equipment is recommended

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Device	Filter type	Condition	Standard
Respiratory protective device with a particle filter	Туре Р1, Туре Р2	Dust protection	EN 14387

Other information:

Do not eat, drink or smoke during use.

SECTION & Physical and chamical pro	nortion	
SECTION 9: Physical and chemical properties 9.1. Information on basic physical and chemical properties		
Physical state	: Solid	
Appearance	: Powder.	
Molecular mass	: 388.28 g/mol	
Colour	: Off-white. light yellow.	
Odour	: No data available.	
Odour threshold	: No data available	
pH	: No data available	
Relative evaporation rate (butylacetate=1)	: No data available	
Melting point	: No data available	
Freezing point	: No data available	
Boiling point	: No data available	
Flash point	: No data available	
Auto-ignition temperature	: No data available	
Decomposition temperature	: No data available	
Flammability (solid, gas)	: Non flammable.	
Vapour pressure	: No data available	
Relative vapour density at 20 °C	: No data available	
Relative density	: No data available	
Solubility	: No data available	
Log Pow	: No data available	
Viscosity, kinematic	: No data available	
Viscosity, dynamic	: No data available	
Explosive properties	: No data available	
Oxidising properties	: No data available	
Explosive limits	: No data available	
9.2. Other information		

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 recommended handling and storage conditions (see section 7).
10.3. Possibility of hazardous reactions
No dangerous reactions known under normal conditions of use.
10.4. Conditions to avoid
Protect from sunlight. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
10.5. Incompatible materials
Strong oxidizers. Strong acids. alkalis.
10.6. Hazardous decomposition products
No hazardous decomposition products known at room temperature. Thermal decomposition generates : Carbon oxides (CO, CO2). Nitrogen oxides.

SECTION 11: Toxicological information	
11.1. Information on toxicological effects	
Acute toxicity (oral)	: Not classified
Acute toxicity (dermal)	: Not classified
Acute toxicity (inhalation)	: Not classified
Skin corrosion/irritation	: Causes skin irritation.
Additional information	: Based on available data, the classification criteria are not met
Serious eye damage/irritation	: Causes serious eye irritation.
Additional information	: Based on available data, the classification criteria are not met

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Respiratory or skin sensitisation	: May cause allergy or asthma symptoms or breathing difficulties if inhaled.
Additional information	: Based on available data, the classification criteria are not met
Germ cell mutagenicity	: Not classified
Additional information	: Based on available data, the classification criteria are not met
Carcinogenicity	: Not classified
Additional information	: Based on available data, the classification criteria are not met
Reproductive toxicity	: Not classified
Additional information	: Based on available data, the classification criteria are not met
STOT-single exposure	: Not classified
Additional information	: Based on available data, the classification criteria are not met
STOT-repeated exposure	: Not classified
Additional information	: Based on available data, the classification criteria are not met
Aspiration hazard	: Not classified
Additional information	: Based on available data, the classification criteria are not met
Potential adverse human health effects and symptoms	: Based on available data, the classification criteria are not met.

SECTION 12: Ecological information		
12.1. Toxicity		
Acute aquatic toxicity :	: Not classified	
Chronic aquatic toxicity :	Not classified	
12.2. Persistence and degradability		
2,2'-Biquinoline-4,4'-dicarboxylic acid disodiu	m salt (979-88-4)	
Persistence and degradability	No data available.	
12.3. Bioaccumulative potential		
2,2'-Biquinoline-4,4'-dicarboxylic acid disodium salt (979-88-4)		
Bioaccumulative potential	No data available.	
12.4. Mobility in soil		
No additional information available		
12.5. Results of PBT and vPvB assessment		
12.5. Results of PBT and vPvB assessment2,2'-Biquinoline-4,4'-dicarboxylic acid disodiu	m salt (979-88-4)	
2,2'-Biquinoline-4,4'-dicarboxylic acid disodiu	of REACH regulation, annex XIII	
2,2'-Biquinoline-4,4'-dicarboxylic acid disodiu This substance/mixture does not meet the PBT criteria	of REACH regulation, annex XIII	

SECTION 13: Disposal considerations	
13.1. Waste treatment methods	
Product/Packaging disposal recommendations	: Dispose in a safe manner in accordance with local/national regulations.
Ecology - waste materials	: Avoid release to the environment.

SECTION 14: Transpo				
In accordance with ADR / RID) / IMDG / IATA / ADN			
ADR	IMDG	ΙΑΤΑ	ADN	RID
14.1. UN number				
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
14.2. UN proper shippin	g name			
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
14.3. Transport hazard o	lass(es)			
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
14.4. Packing group				
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated

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14.5. Environmental haza	rds			
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
No supplementary information	available			
4.6. Special precautions	for user			
Overland transport				
lot regulated				
Fransport by sea				
lot regulated				
Air transport				
Not regulated				
nland waterway transport				
lot regulated				
Rail transport				
Not regulated 4.7. Transport in bulk acc	cording to Annov II of M	arpol and the IBC Code		
lot applicable	Jording to Annex II or Ma	alpoi alla the IBC Code		
SECTION 15: Regulator	y information			
5.1. Safety, health and er	vironmental regulations	/legislation specific for	the substance or mixture	e
5.1.1. EU-Regulations				
No REACH Annex XVII restricti 2,2'-Biquinoline-4,4'-dicarboxyli		the REACH Condidate List		
Directive 2012/18/EU (SEVESC				
Ϋ́,				
15.1.2. National regulations No additional information availation	able			
5.2. Chemical safety asso				
lo chemical safety assessmen		substance or the mixture by	the supplier	
SECTION 16: Other info				
Data sources	December 2008 on	classification, labelling and pa	ROPEAN PARLIAMENT AND ackaging of substances and r C, and amending Regulation (nixtures, amending and
Other information	: None.			· · ·
Full text of H- and EUH-state	ements:			
Eye Irrit. 2	Serious eye damag	e/eye irritation, Category 2		
Resp. Sens. 1B	Respiratory sensitis	sation Category 1B		
		ballon, ballogoly ib		
	Skin corrosion/irrita			
Skin Irrit. 2		tion, Category 2		
Skin Irrit. 2 H315	Skin corrosion/irrita	tion, Category 2 on.		
Hosp. Cond. 12 Skin Irrit. 2 H315 H319 H334	Skin corrosion/irrita Causes skin irritatio Causes serious eye	tion, Category 2 on.	thing difficulties if inhaled.	

SDS EU (REACH Annex II)

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.