

2-(2-Chlorophenyl)quinoline-4-carboxylic acid Safety Data Sheet 4H215W8 according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Date of issue: 03/25/2016 Version: 1.0

SECTION 1: Identification			
1.1. Identification			
Product form	: Substance		
Substance name	: 2-(2-Chlorophenyl)quind	line 4 carboxylic acid	
	(, , , , , , , , , , , , , , , , , , ,	ine-4-carboxylic acid	
CAS No	: 20389-09-7		
Product code	: 4H21-5-W8		
Formula	: C16H10CINO2		
Synonyms	: 4-Carboxy-2-(2-chloropl	enyl)quinoline	
Other means of identification	: MFCD00783457		
.2. Relevant identified uses of the s	substance or mixture and uses	advised against	
Jse of the substance/mixture	: Laboratory chemicals Manufacture of substan Scientific research and		
.3. Details of the supplier of the sat	fety data sheet		
SynQuest Laboratories, Inc. P.O. Box 309 Alachua, FL 32615 - United States of Americ T (386) 462-0788 - F (386) 462-7097 nfo@synquestlabs.com - www.synquestlabs 1.4. Emergency telephone number			
	: (844) 523-4086 (3E Cor	Account 10060)	
Emergency number	. (644) 523-4066 (3E COI	ipany - Account 10069)	
SECTION 2: Hazard(s) identificat	ion		
2.1. Classification of the substance	or mixture		
Classification (GHS-US)			
Skin Irrit. 2 H315 - Causes skin i Eye Irrit. 2A H319 - Causes serior STOT SE 3 H335 - May cause re Full text of H-phrases: see section 16	ous eye irritation		
2.2. Label elements			
GHS-US labeling			
Hazard pictograms (GHS-US)	· •		
	GHS07		
Signal word (GHS-US)	: Warning		
Hazard statements (GHS-US)	: H302 - Harmful if swallo H315 - Causes skin irrit H319 - Causes serious H335 - May cause respi	ition eye irritation	
Precautionary statements (GHS-US)	P271 - Use only outdoo P280 - Wear protective P301+P312 - If swallow P302+P352 - If on skin: P304+P340 - If inhaled: P305+P351+P338 - If in lenses, if present and ea P312 - Call a POISON (P321 - Specific treatme P330 - Rinse mouth		ou feel unwell breathing s. Remove contact
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		P362 P403 P405	7+P313 - If eye irritation persists: Get me 2+P364 - Take off contaminated clothing 3+P233 - Store in a well-ventilated place. 5 - Store locked up 1 - Dispose of contents/container to an ap	and wash it befo Keep container	bre reuse tightly closed
2.3.	Other hazards				
No add	litional information available				
2.4.	Unknown acute toxicity (GHS US)				
Not ap	plicable				
SECT	TION 3: Composition/information	on ir	ngredients		
3.1.	Substance				
Substa	nce type	Mon	o-constituent		
Nam	9		Product identifier	%	Classification (GHS-US)
	hlorophenyl)quinoline-4-carboxylic acid constituent)		(CAS No) 20389-09-7	<= 100	Acute Tox. 4 (Oral), H302 Skin Irrit. 2, H315 Eye Irrit. 2A, H319 STOT SE 3, H335
Full tex	t of H-phrases: see section 16				
3.2.	Mixture				
	plicable				
SECT	ION 4: First aid measures				
4.1.	Description of first aid measures				
First-ai	d measures general		se of accident or if you feel unwell, seek e possible). Move the affected personne		
First-ai	First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing. If not breathing, give artificial respiration. Get medical advice/attention.				
First-a	d measures after skin contact	: Wash with plenty of soap and water. Get medical advice/attention.			
First-ai	First-aid measures after eye contact : Immediately flush eyes thoroughly with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical advice/attention.				
First-ai	d measures after ingestion		IOT induce vomiting. Never give anything the out with water. Get medical advice/atte		n unconscious person. Rinse
4.2.	Most important symptoms and effects	s, both	acute and delayed		
Sympt	oms/injuries		most important known symptoms and eff and/or in section 11.	ects are describ	ed in the labelling (see section
4.3.	Indication of any immediate medical a	ttentio	on and special treatment needed		
Treat s	ymptomatically.				
SECT	ION 5: Firefighting measures				
5.1.	Extinguishing media				
Suitab	e extinguishing media		hol resistant foam. Carbon dioxide. Dry p opriate for surrounding fire.	owder. Water sp	oray. Use extinguishing media
5.2.	Special hazards arising from the subs	tance	or mixture		
Fire ha	zard	Ther	mal decomposition generates: Carbon or	ides. Hydrogen	chloride. Nitrogen oxides.
5.3.	Advice for firefighters				
Firefigl	nting instructions	In ca	se of fire: Evacuate area.		
Protec	tion during firefighting		r gas tight chemically protective clothing rratus. For further information refer to see		
SECT	TION 6: Accidental release measu	ires			
6.1.	Personal precautions, protective equi	pment	and emergency procedures		
Genera	al measures	Evad	uate unnecessary personnel. Ensure ad	equate air ventil	ation. Do not breathe dust.

: Only qualified personnel equipped with suitable protective equipment may intervene.

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6.1.2. For emergency respon	Iders
Protective equipment	: Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".
6.2. Environmental precau	tions
Avoid release to the environment.	Notify authorities if product enters sewers or public waters.
6.3. Methods and material	for containment and cleaning up
For containment	: Stop leak if safe to do so.
Methods for cleaning up	: Sweep or shovel spills into appropriate container for disposal. Minimize generation of dust.
Other information	: For disposal of solid materials or residues refer to section 13 : "Disposal considerations".
6.4. Reference to other sec	tions
No additional information available	
SECTION 7: Handling and	storane
7.1. Precautions for safe h	
Precautions for safe handling	Do not handle until all safety precautions have been read and understood. Ensure good ventilation of the work station. Do not breathe dust, mist, spray. Wear personal protective equipment. Avoid contact with skin and eyes.
Hygiene measures	: Handle in accordance with good industrial hygiene and safety procedures. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.
7.2. Conditions for safe sto	prage, including any incompatibilities
Technical measures	: Comply with applicable regulations.
Storage conditions	: Keep container closed when not in use.
Incompatible materials	: Refer to Section 10 on Incompatible Materials.
Storage area	: Store in dry, cool, well-ventilated area.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

No additional information available

8.2. Exposure controls	
Appropriate engineering controls	: Ensure good ventilation of the work station. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.
Hand protection	: Protective gloves. 29 CFR 1910.138: Hand Protection.
Eye protection	: Chemical goggles or safety glasses. Face shield. 29 CFR 1910.133: Eye and Face Protection.
Skin and body protection	: Wear suitable protective clothing.
Respiratory protection	: In case of inadequate ventilation wear respiratory protection. 29 CFR 1910.134: Respiratory Protection.
Other information	: Safety shoes. 29 CFR 1910.136: Foot Protection.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and	d chemical properties
Physical state	: Solid
Color	: No data available
Odor	: No data available
Odor threshold	: No data available
рН	: No data available
Melting point	: 264 - 266 °C
Freezing point	: No data available
Boiling point	: No data available
Flash point	: No data available
Relative evaporation rate (butyl acetate=1)	: No data available
Flammability (solid, gas)	: No data available
Explosion limits	: No data available
Explosive properties	: No data available

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Oxidizing properties	: No data available
Vapor pressure	: No data available
Relative density	: No data available
Relative vapor density at 20 °C	: No data available
Molecular mass	: 283.71 g/mol
Solubility	: No data available
Log Pow	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Viscosity	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available

9.2. Other information

No additional information available

SECT	ION 10: Stability and reactivity
10.1.	Reactivity
No addi	tional information available
10.2.	Chemical stability
The pro	duct is stable at normal handling and storage conditions.
10.3.	Possibility of hazardous reactions
No addi	tional information available
10.4.	Conditions to avoid
Keep av	way from heat, sparks and flame.
10.5.	Incompatible materials
Strong	oxidizing agents.
10.6.	Hazardous decomposition products
Under r	ormal conditions of storage and use, hazardous decomposition products should not be produced. Hazardous decomposition products in case of

Under normal conditions of storage and use, hazardous decomposition products should not be produced. Hazardous decomposition products in case of fire, see Section 5.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity	: Oral: Harmful if swallowed.
Skin corrosion/irritation	: Causes skin irritation.
Serious eye damage/irritation	: Causes serious eye irritation.
Respiratory or skin sensitization	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified
Specific target organ toxicity (single exposure)	: May cause respiratory irritation.
Specific target organ toxicity (repeated exposure)	: Not classified
Aspiration hazard	: Not classified

SECTI	SECTION 12: Ecological information				
12.1.	Toxicity				
No addit	ional information available				
12.2.	Persistence and degradability				
No addit	ional information available				
12.3.	Bioaccumulative potential				
No additional information available					
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12.4. Mobility in soil

No additional information available

12.5. Other adverse effects

No additional information available

I3.1. Waste treatment methods		
Vaste treatment methods	: Remove to an authorized incinerator equipped with a	n afterburner and a flue gas scrubber.
Naste disposal recommendations	: Dispose of contents/container in accordance with lice	ensed collector's sorting instructions.
Additional information	: Recycle the material as far as possible.	
SECTION 14: Transport informati	ion	
Department of Transportation (DOT)		
n accordance with DOT		
Not regulated for transport		
FDG		
No additional information available		
Fransport by sea		
No additional information available		
Air transport		
-		
Air transport No additional information available	ation	
No additional information available SECTION 15: Regulatory information	ation	
No additional information available SECTION 15: Regulatory informa 15.1. US Federal regulations		
No additional information available SECTION 15: Regulatory informa 15.1. US Federal regulations All components of this product are listed, o	or excluded from listing, on the United States Environmental P	rotection Agency Toxic
No additional information available SECTION 15: Regulatory informa 15.1. US Federal regulations	or excluded from listing, on the United States Environmental P except for:	rotection Agency Toxic 100%
No additional information available SECTION 15: Regulatory information 15.1. US Federal regulations All components of this product are listed, or Substances Control Act (TSCA) inventory 2-(2-Chlorophenyl)quinoline-4-carboxylic at This product or mixture does not contain at	or excluded from listing, on the United States Environmental P except for:	100% nimis concentration as specified in 40
No additional information available SECTION 15: Regulatory information 15.1. US Federal regulations All components of this product are listed, or Substances Control Act (TSCA) inventory 2-(2-Chlorophenyl)quinoline-4-carboxylic at This product or mixture does not contain a CFR §372.38(a) subject to the reporting re	or excluded from listing, on the United States Environmental P except for: acid CAS No 20389-09-7 a toxic chemical or chemicals in excess of the applicable de m	100% nimis concentration as specified in 40
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National regulations No additional information available

15.3. US State regulations

California Proposition 65 - This product does not contain any substances known to the state of California to cause cancer and/or reproductive harm

SECTION 16: Other information

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Full tex	t of H-phrases:	
	Acute Tox. 4 (Oral)	Acute toxicity (oral) Category 4
	Eye Irrit. 2A	Serious eye damage/eye irritation Category 2A
	Skin Irrit. 2	Skin corrosion/irritation Category 2
	STOT SE 3	Specific target organ toxicity (single exposure) Category 3
	H302	Harmful if swallowed
	H315	Causes skin irritation
	H319	Causes serious eye irritation
	H335	May cause respiratory irritation
NFPA	health hazard fire hazard reactivity	 2 - Intense or continued exposure could cause temporary incapacitation or possible residual injury unless prompt medical attention is given. 0 - Materials that will not burn. 0 - Normally stable, even under fire exposure conditions, and are not reactive with water.
HMIS I	II Rating	
Health		: 3 Serious Hazard - Major injury likely unless prompt action is taken and medical treatment is given
Flamm	ability	: 0 Minimal Hazard - Materials that will not burn
Physic	al	: 0 Minimal Hazard - Materials that are normally stable, even under fire conditions, and will NOT react with water, polymerize, decompose, condense, or self-react. Non-Explosives.

SDS US (GHS HazCom 2012)

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