

Safety Data Sheet 3H327Y0 according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations Date of issue: 09/29/2016 Version: 1.0

SECTION 1: Identification			
1.1. Identification			
Product form	: Substance		
Substance name	: 2-Chloro-5-fluoro-3,8-dimethylquinoline		
CAS No	: 175204-94-1		
Product code	: 3H32-7-Y0		
Formula	: C11H9CIFN		
Other means of identification	: MFCD00276571		
1.2. Relevant identified uses of the substa	ance or mixture and uses advised against		
	: Laboratory chemicals Manufacture of substances Scientific research and development		
1.3. Details of the supplier of the safety da	ata sheet		
SynQuest Laboratories, Inc. P.O. Box 309 Alachua, FL 32615 - United States of America T (386) 462-0788 - F (386) 462-7097 info@synquestlabs.com			
1.4. Emergency telephone number			
Emergency number	: (844) 523-4086 (3E Company - Account 10069)		
SECTION 2: Hazard(s) identification			
2.1. Classification of the substance or mix	xture		
Classification (GHS-US)			
Skin Irrit. 2       H315 - Causes skin irritation         Eye Irrit. 2A       H319 - Causes serious eye irritation         STOT SE 3       H335 - May cause respiratory irritation			
Full text of H-phrases: see section 16			
2.2. Label elements			
GHS-US labeling			
Hazard pictograms (GHS-US)	: GHS07		
Signal word (GHS-US)	: Warning		
Hazard statements (GHS-US)	: H315 - Causes skin irritation H319 - Causes serious eye irritation H335 - May cause respiratory irritation		
Precautionary statements (GHS-US)	<ul> <li>P261 - Avoid breathing dust, mist, spray</li> <li>P264 - Wash skin thoroughly after handling</li> <li>P271 - Use only outdoors or in a well-ventilated area</li> <li>P280 - Wear protective gloves/protective clothing/eye protection/face protection</li> <li>P302+P352 - If on skin: Wash with plenty of soap and water</li> <li>P304+P340 - If inhaled: Remove person to fresh air and keep comfortable for breathing</li> <li>P305+P351+P338 - If in eyes: Rinse cautiously with water for several minutes. Remove contact</li> <li>lenses, if present and easy to do. Continue rinsing</li> <li>P312 - Call a POISON CENTER or doctor/physician if you feel unwell</li> <li>P321 - Specific treatment (see supplemental first aid instructions on this label)</li> <li>P332+P313 - If skin irritation occurs: Get medical advice/attention</li> <li>P362+P364 - Take off contaminated clothing and wash it before reuse</li> <li>P403+P233 - Store in a well-ventilated place. Keep container tightly closed</li> <li>P405 - Store locked up</li> <li>P501 - Dispose of contents/container to an approved waste disposal plant</li> </ul>		

Safety Data Sheet according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

<ul> <li>coording to Federal Register / Vol. //, No. 58 / Monday,</li> <li>Other hazards</li> </ul>	· · · · · · · · · · · · · · · · · · ·			
No additional information available				
2.4. Unknown acute toxicity (GHS US)				
Not applicable				
SECTION 3: Composition/informatio	on ingredients			
3.1. Substance	r on ingreatents			
Substance type	: Mono-constituent			
Name	Product id	ontifior	%	Classification (GHS-US)
2-Chloro-5-fluoro-3,8-dimethylquinoline	(CAS No) 175		<= 100	Skin Irrit. 2, H315
(Main constituent)				Eye Irrit. 2A, H319 STOT SE 3, H335
Full text of H-phrases: see section 16				
3.2. Mixture				
Not applicable				
SECTION 4: First aid measures				
4.1. Description of first aid measures				
First-aid measures general		t or if you feel unwell, seek m		
First-aid measures after inhalation	, ,	love the affected personnel a		g. If not breathing, give artificial
		edical advice/attention.		g. ii not breating, give artifold
First-aid measures after skin contact	: Wash with plenty of	of soap and water. Get medic	cal advice/atten	tion.
First-aid measures after eye contact		eyes thoroughly with water for odo. Continue rinsing. Get n		inutes. Remove contact lenses, if
First-aid measures after ingestion		miting. Never give anything I		
		ter. Get medical advice/atten		
4.2. Most important symptoms and effect	s, both acute and d	layed		
nptoms/injuries : The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11.				
4.3. Indication of any immediate medical	attention and specia	I treatment needed		
Treat symptomatically.				
SECTION 5: Firefighting measures				
5.1. Extinguishing media				
Suitable extinguishing media	: Alcohol resistant for appropriate for sur		wder. Water sp	ray. Use extinguishing media
5.2. Special hazards arising from the sul	stance or mixture			
Fire hazard	: Thermal decompo Nitrogen oxides.	sition generates: Carbon oxid	des. Hydrogen	chloride. Hydrogen fluoride.
5.3. Advice for firefighters				
Firefighting instructions	: In case of fire: Evacuate area.			
Protection during firefighting		mically protective clothing in her information refer to section		vith self contained breathing e controls/personal protection".
SECTION 6: Accidental release meas	ures			
6.1. Personal precautions, protective eq	ipment and emerge	ncy procedures		
General measures	: Evacuate unneces	sary personnel. Ensure adec	quate air ventila	ation. Do not breathe dust.
6.1.1. For non-emergency personnel				
Emergency procedures	: Only qualified pers	onnel equipped with suitable	e protective equ	ipment may intervene.
6.1.2 For emergency responders				
6.1.2. For emergency responders Protective equipment		ake action without suitable p 'Exposure controls/personal		ment. For further information

Avoid release to the environment. Notify authorities if product enters sewers or public waters.

Safety Data Sheet according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

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 sections			
No additional information available			
SECTION 7: Handling and storage			
7.1. Precautions for safe handling			
Additional hazards when processed	: When mixed with air and exposed to an ignition source, dust may burn in the open air or explode if confined.		
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. Keep away from ignition sources (including static discharges). Proper grounding procedures to avoid static electricity should be followed. Use only non-sparking tools.		
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 storage, including any incompatibilities			
Technical measures	: Comply with applicable regulations.		
Storage conditions	: Keep container closed when not in use. Keep away from ignition sources.		
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	: 49 - 51 °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
Oxidizing properties	: No data available
Vapor pressure	: No data available

Safety Data Sheet according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Relative density	: No data available
Relative vapor density at 20 °C	: No data available
Molecular mass	: 209.65 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

OFOT	
SECT	ION 10: Stability and reactivity
10.1.	Reactivity
No add	itional 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	itional 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
	normal conditions of storage and use, hazardous decomposition products should not be produced. Hazardous decomposition products in case of e Section 5.

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

SECT	ION 12: Ecological information
12.1.	Toxicity
No addi	itional information available
12.2.	Persistence and degradability
No add	itional information available
12.3.	Bioaccumulative potential

No additional information available

#### Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

#### 12.4. Mobility in soil

#### No additional information available

#### 12.5. Other adverse effects

No additional information available

SECTION 12: Dispessi sensida	ationa	
SECTION 13: Disposal consider	ations	
Waste treatment methods Waste disposal recommendations Additional information	<ul><li>Remove to an authorized incinerator equipped wit</li><li>Dispose of contents/container in accordance with</li><li>Recycle the material as far as possible.</li></ul>	-
SECTION 14: Transport informa	tion	
Department of Transportation (DOT) In accordance with DOT Not regulated for transport TDG No additional information available		
Transport by sea No additional information available		
Air transport No additional information available		
SECTION 15: Regulatory inform	ation	
15.1. US Federal regulations		
All components of this product are listed. Substances Control Act (TSCA) inventor	or excluded from listing, on the United States Environmenta / except for:	Il Protection Agency Toxic
2-Chloro-5-fluoro-3,8-dimethylquinoline	CAS No 175204-94-1	100%

This product or mixture does not contain a toxic chemical or chemicals in excess of the applicable de minimis concentration as specified in 40 CFR §372.38(a) subject to the reporting requirements of section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372.

#### 15.2. International regulations

CANADA

No additional information available

**EU-Regulations** 

No additional information available

#### **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

Full text of H-phrases:

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
H315	Causes skin irritation
H319	Causes serious eye irritation
H335	May cause respiratory irritation

Safety Data Sheet according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

solids and semi solids having a flash point above 200 F. (Class IIIB)	NFPA health hazard	: 3 - Short exposure could cause serious temporary or residual injury even though prompt medical attention was given.
NFPA reactivity       : 0 - Normally stable, even under fire exposure conditions, and are not reactive with water.         HMIS III Rating	NFPA fire hazard	: 1 - Must be preheated before ignition can occur.
Health       : 2 Moderate Hazard - Temporary or minor injury may occur         Flammability       : 1 Slight Hazard - Materials that must be preheated before ignition will occur. Includes liqui solids and semi solids having a flash point above 200 F. (Class IIIB)	NFPA reactivity	: 0 - Normally stable, even under fire exposure conditions,
Flammability : 1 Slight Hazard - Materials that must be preheated before ignition will occur. Includes liqui solids and semi solids having a flash point above 200 F. (Class IIIB)	HMIS III Rating	
solids and semi solids having a flash point above 200 F. (Class IIIB)	Health	: 2 Moderate Hazard - Temporary or minor injury may occur
Physical : 0 Minimal Hazard - Materials that are normally stable, even under fire conditions, and wil	Flammability	<ul> <li>1 Slight Hazard - Materials that must be preheated before ignition will occur. Includes liquids, solids and semi solids having a flash point above 200 F. (Class IIIB)</li> </ul>
react with water, polymerize, decompose, condense, or self-react. Non-Explosives.	Physical	: 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)

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is offered solely for your consideration, investigation, and verification. It does not represent any guarantee of the properties of the product nor that the hazard precautions or procedures described are the only ones which exist. SynQuest shall not be held liable or any damage resulting from handling or from contact with the above product.