

# **3-(Trifluoromethyl)-2-pyrazolin-5-one** Safety Data Sheet 4H48323 according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Date of issue: 04/19/2018 Version: 1.0

SECTION 1: Identification			
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1.1. Identification			
Product form	: Substance		
Substance name	: 3-(Trifluoromethyl)-2-py	rrazolin-5-one	
CAS No	: 401-73-0		
Product code	: 4H48-3-23		
Formula	: C4H3F3N2O		
Other means of identification	: MFCD00052748		
1.2. Relevant identified uses of the sul	ostance or mixture and use	s advised against	
Use of the substance/mixture	: Laboratory chemicals Manufacture of substar Scientific research and		
1.3. Details of the supplier of the safet	y data 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 - www.synquestlabs.cc 1.4. Emergency telephone number	<u>om</u>		
Emergency number	: (844) 523-4086 (3E Co	mpany - Account 10069)	
		,	
SECTION 2: Hazard(s) identification			
2.1. Classification of the substance or	mixture		
Classification (GHS-US)			
Skin Irrit. 2H315 - Causes skin irritEye Irrit. 2AH319 - Causes seriousSTOT SE 3H335 - May cause respFull text of H-phrases: see section 162.2.Label elements	eye irritation		
GHS-US labeling			
Hazard pictograms (GHS-US)	GHS07		
Signal word (GHS-US)	: Warning		
Hazard statements (GHS-US)	: H302 - Harmful if swall H315 - Causes skin irri H319 - Causes serious H335 - May cause resp	ation eye irritation	
Precautionary statements (GHS-US)	<ul> <li>P261 - Avoid breathing P264 - Wash skin thoro P270 - Do not eat, drin P271 - Use only outdoo P280 - Wear protective P301+P312 - If swallov P302+P352 - If on skin P304+P340 - If inhaled P305+P351+P338 - If i lenses, if present and e P312 - Call a POISON P321 - Specific treatme P330 - Rinse mouth P332+P313 - If skin irri</li> </ul>	fumes, mist, spray, vapors	ou feel unwell breathing s. Remove contact
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	P362+P364 - Take off contaminated clothing and wash it before reuse P403+P233 - Store in a well-ventilated place. Keep container tightly closed P405 - Store locked up P501 - Dispose of contents/container to an approved waste disposal plant			
2.3. Other hazards				
No additional information available				
2.4. Unknown acute toxicity (GHS US)				
Not applicable				
<b>SECTION 3: Composition/informati</b>	on on ir	ngredients		
3.1. Substance				
Substance type	: Mon	o-constituent		
Name		Product identifier	%	Classification (GHS-US)
3-(Trifluoromethyl)-2-pyrazolin-5-one (Main constituent)		(CAS No) 401-73-0	<= 100	Acute Tox. 4 (Oral), H302 Skin Irrit. 2, H315 Eye Irrit. 2A, H319 STOT SE 3, H335
Full text of H-phrases: see section 16		·	·	<u>.</u>
3.2. Mixture				
Not applicable				
SECTION 4: First aid measures				
4.1. Description of first aid measures				
First-aid measures general		ase of accident or if you feel unw re possible). Move the affected p		
First-aid measures after inhalation				hing. If not breathing, give artificial
First-aid measures after skin contact : Wash with plenty of soap and water. Get immediate medical advice/attention.				
First-aid measures after eye contact		ediately flush eyes thoroughly w ent and easy to do. Continue rin		5 minutes. Remove contact lenses, if redical advice/attention.
First-aid measures after ingestion	First-aid measures after ingestion : Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth out with water. Get immediate medical advice/attention.			
4.2. Most important symptoms and effects, both acute and delayed				
Symptoms/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 special treatment needed				
Treat symptomatically.				
SECTION 5: Firefighting measures				
5.1. Extinguishing media				
Suitable extinguishing media : Alcohol resistant foam. Carbon dioxide. Dry powder. Water spray. Use extinguishing media appropriate for surrounding fire.				
5.2. Special hazards arising from the substance or mixture				
Fire hazard	: Ther	mal decomposition generates: C	Carbon oxides. Hydrog	en fluoride. Nitrogen oxides.
5.3. Advice for firefighters				
Firefighting instructions	: In ca	ase of fire: Evacuate area.		
Protection during firefighting : Wear gas tight chemically protective clothing in combination with self contained breathing apparatus. For further information refer to section 8. "Exposure controls/personal protection".				
SECTION 6: Accidental release measures				
6.1. Personal precautions, protective equipment and emergency procedures				
General measures : Evacuate unnecessary personnel. Ensure adequate air ventilation. Do not breathe dust.				

refer to section 8: "Exposure controls/personal protection".

#### 6.1.2. For emergency responders

6.1.1.

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: Do not attempt to take action without suitable protective equipment. For further information

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6.2. Environmental precautions				
Avoid release to the environment. Notify authorities	s if product enters sewers or public waters.			
6.3. Methods and material for containmen	t 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				
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 storage, 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**

Odor Odor threadedd	: No data available	
Odor threshold pH	: No data available : No data available	
Melting point	: 214 - 217 °C	
Freezing point	: No data available	
Boiling point	: No data available	
Flash point	: > 110 °C	
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	
Relative density	: No data available	
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Relative vapor density at 20 °C	: No data available
Molecular mass	: 152.0746 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 40. Stability and reactivity
SECI	ION 10: Stability and reactivity
10.1.	Reactivity
No add	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 add	tional information available
10.4.	Conditions to avoid
Keep a	way from heat, sparks and flame.
10.5.	Incompatible materials
Strong	acids. Strong oxidizing agents.

#### 10.6. Hazardous decomposition products

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 e	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

SECT	ION 12: Ecological information	
12.1.	Toxicity	
No add	tional information available	
12.2.	Persistence and degradability	
No addi	tional information available	
12.3.	Bioaccumulative potential	
No additional information available		
12.4.	Mobility in soil	
No addi	tional information available	

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#### 12.5. Other adverse effects

No additional information available

SECTION 13: Disposal consider	ations
13.1. Waste treatment methods	
Waste treatment methods	: Remove to an authorized incinerator equipped with an afterburner and a flue gas scrubber.
Waste disposal recommendations	: Dispose of contents/container in accordance with licensed collector's sorting instructions.
Additional information	: Recycle the material as far as possible.
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 information**

#### 15.1. US Federal regulations

All components of this product are listed, or excluded from listing, on the United States Environmental Protection Agency Toxic

3-(Trifluoromethyl)-2-pyrazolin-5-one CAS No 401-73-0 100%	Substances Control Act (TSCA) inventory exception.				
		CAS No 401-73-0	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:

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

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NFPA health hazard	: 3 - Short exposure could cause serious temporary or residual injury even though prompt medical attention was given.
NFPA fire hazard	: 0 - Materials that will not burn.
NFPA reactivity	: 0 - Normally stable, even under fire exposure conditions, and are not reactive with water.
HMIS III Rating	
Health	: 2 Moderate Hazard - Temporary or minor injury may occur
Flammability	: 0 Minimal Hazard - Materials that will not burn
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.