

Safety Data Sheet 4H541W4 according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations Date of issue: 04/26/2018 Version: 1.0

SECTION 1: Identification	
1.1. Identification	
Product form	: Substance
Substance name	: Ethyl 5-nitro-1H-pyrrole-2-carboxylate
CAS No	: 36131-46-1
Product code	: 4H54-1-W4
Formula	: C7H8N2O4
Synonyms	: 2-(Ethoxycarbonyl)-5-nitro-1H-pyrrole
Other means of identification	: MFCD09025771
1.2. Relevant identified uses of the subst	ance or mixture and uses advised against
Use of the substance/mixture	: Laboratory chemicals Manufacture of substances Scientific research and development
1.3. Details of the supplier of the safety of	lata 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.com	<u>1</u>
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 m	ixture
Classification (GHS-US)	
Acute Tox. 4 (Dermal)H312 - Harmful in coAcute Tox. 4 (Inhalation)H332 - Harmful if inhSkin Irrit. 2H315 - Causes skinEye Irrit. 2AH319 - Causes serioSTOT SE 3H335 - May cause re	aled irritation us eye 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)	<ul> <li>H302+H312+H332 - Harmful if swallowed, in contact with skin or if inhaled</li> <li>H315 - Causes skin irritation</li> <li>H319 - Causes serious eye irritation</li> <li>H335 - May cause respiratory irritation</li> </ul>
Precautionary statements (GHS-US)	<ul> <li>P261 - Avoid breathing dust, mist, spray</li> <li>P264 - Wash skin thoroughly after handling</li> <li>P270 - Do not eat, drink or smoke when using this product</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>P301+P312 - If swallowed: Call a POISON CENTER or doctor/ physician if you feel unwell</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 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> </ul>
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	P332 P337 P362 P403 P405	<ul> <li>Rinse mouth</li> <li>+P313 - If skin irritation occurs: Ge</li> <li>+P313 - If eye irritation persists: Ge</li> <li>+P364 - Take off contaminated cloi</li> <li>+P233 - Store in a well-ventilated p</li> <li>Store locked up</li> <li>Dispose of contents/container to</li> </ul>	et medical advice/at thing and wash it be lace. Keep contain	tention efore reuse er tightly closed
2.3. Other hazards				
No additional information available				
2.4. Unknown acute toxicity (GHS US)				
Not applicable				
SECTION 3: Composition/information	n on in	gredients		
3.1. Substance				
Substance type	: Monc	p-constituent		
Name		Product identifier	%	Classification (GHS-US)
Ethyl 5-nitro-1H-pyrrole-2-carboxylate (Main constituent)		(CAS No) 36131-46-1	<= 100	Acute Tox. 4 (Oral), H302 Acute Tox. 4 (Dermal), H312 Acute Tox. 4 (Inhalation), H332 Skin Irrit. 2, H315 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				
I.1. Description of first aid measures				a immediately (about the label
First-aid measures general		se of accident or if you feel unwell, e possible). Move the affected pers		
First-aid measures after inhalation	: Remo	ove person to fresh air and keep co ration. Get immediate medical advi	mfortable for breath	
First-aid measures after skin contact		n with plenty of soap and water. Ge		
First-aid measures after eye contact	prese	ent and easy to do. Continue rinsing	g. Get immediate m	
First-aid measures after ingestion	mout	OT induce vomiting. Never give an h out with water. Get immediate me		
4.2. Most important symptoms and effec				
Symptoms/injuries		nost important known symptoms ar and/or in section 11.	nd effects are descr	ibed in the labelling (see section
4.3. Indication of any immediate medical	attentio	n and special treatment needed		
Freat symptomatically.				
SECTION 5: Firefighting measures				
5.1. Extinguishing media				
Suitable extinguishing media		nol resistant foam. Carbon dioxide. opriate for surrounding fire.	Dry powder. Water	spray. Use extinguishing media
5.2. Special hazards arising from the sub	ostance	or mixture		
Fire hazard	: Therr	nal decomposition generates: Carb	on oxides. Nitroger	n oxides.
5.3. Advice for firefighters				
Firefighting instructions		se of fire: Evacuate area.		
Protection during firefighting		r gas tight chemically protective clob ratus. For further information refer t		
SECTION 6: Accidental release meas	sures			
6.1. Personal precautions, protective equ	uipment	and emergency procedures		
	· Evac	uate unnecessary personnel. Ensu	re adequate air ven	tilation. Do not breathe dust
General measures	. Lvac	date dimeteessary personnel. Ensu	le adequate all ven	
	. LVac	uate unnecessary personnel. Ensu		
General measures 6.1.1. For non-emergency personnel Emergency procedures		qualified personnel equipped with s		

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6.1.2. For emergency respon	ders
Protective equipment	<ul> <li>Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".</li> </ul>
6.2. Environmental precaut	ions
Avoid release to the environment.	Notify authorities if product enters sewers or public waters.
6.3. Methods and material f	or 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	storage
7.1. Precautions for safe ha	andling
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	rage, 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.
Storago area	· Store in dry cool, well ventilated area

Storage area : Store in dry, cool, well-ventilated area.

### **SECTION 8: Exposure controls/personal protection**

**Control parameters** 8.1.

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** tion on boold abusical and ab

9.1. Information on basic physical an	nd chemical properties
Physical state	: Solid
Color	: No data available
Odor	: No data available
Odor threshold	: No data available
рН	: No data available
Melting point	: 146 °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	: 184.1494 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	No additional 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 away 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.			

: Oral: Harmful if swallowed. Dermal: Harmful in contact with skin. Inhalation: Harmful if inhaled.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

#### Acute toxicity

: Causes skin irritation.
: Causes serious eye irritation.
: Not classified
: May cause respiratory irritation.
: Not classified
: Not classified

SECT	ION 12: Ecological informatio	n		
12.1.	Toxicity			
No add	itional information available			
12.2.	Persistence and degradability			
No add	itional 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

13.1. Waste treatment methods		
Waste treatment methods	: Remove to an authorized incinerator equipped wi	th 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 informati	ion	
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: Poquiatory informa		
SECTION 15. Regulatory informa	ation	
	ition	
15.1. US Federal regulations	or excluded from listing, on the United States Environment	al Protection Agency Toxic
<b>15.1. US Federal regulations</b> All components of this product are listed, o	or excluded from listing, on the United States Environment	al Protection Agency Toxic
Substances Control Act (TSCA) inventory of Ethyl 5-nitro-1H-pyrrole-2-carboxylate This product or mixture does not contain a	or excluded from listing, on the United States Environmenta	100% e minimis concentration as specified in 40
15.1. US Federal regulations         All components of this product are listed, o         Substances Control Act (TSCA) inventory of         Ethyl 5-nitro-1H-pyrrole-2-carboxylate         This product or mixture does not contain a         CFR §372.38(a) subject to the reporting re         and 40 CFR Part 372.	or excluded from listing, on the United States Environmenta except for: CAS No 36131-46-1 toxic chemical or chemicals in excess of the applicable de	100% e minimis concentration as specified in 40
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### 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 text of H-phrases:		
Acute Tox. 4 (Dermal)	Acute toxicity (dermal) Category 4	
Acute Tox. 4 (Inhalation)	Acute toxicity (inhalation) Category 4	
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	
H312	Harmful in contact with skin	
H315	Causes skin irritation	
H319	Causes serious eye irritation	
H332	Harmful if inhaled	
H335	May cause respiratory irritation	
NFPA health hazard NFPA fire hazard NFPA reactivity	<ul> <li>3 - Short exposure could cause serious temporary or residual injury even though prompt medical attention was given.</li> <li>1 - Must be preheated before ignition can occur.</li> <li>0 - Normally stable, even under fire exposure conditions, and are not reactive with water.</li> </ul>	
HMIS III Rating		
Health	: 3 Serious Hazard - Major injury likely unless prompt action is taken and medical treatment is given	
Flammability	ability : 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)	
Physical	: 0 Minimal Hazard - Materials that are normally stable, even under fire conditions, and will NOT	

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.

react with water, polymerize, decompose, condense, or self-react. Non-Explosives.