

### Safety Data Sheet 8H6914A

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations Date of issue: 07/26/2017 Version: 1.0

SECTION 1: Identification			
1.1. Identification			
Product form	: Substance		
Substance name	: (4R)-2,2-Dioxido-4-methyl-1,2,3-oxathiazolidine, N-BOC protected		
CAS No	: 454248-53-4		
Product code	: 8H69-1-4A		
Formula	: C8H15NO5S		
Synonyms	: tert-Butyl (4R)-4-methyl-1,2,3-oxathiazolidine-3-carboxylate 2,2-dioxide; (4R)-3-(tert-		
	Butoxycarbonyl)-4-methyl-1,2,3-oxathiazolidine 2,2-dioxide		
Other means of identification	: MFCD09864994		
1.2. Relevant identified uses of the sub	ostance 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 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.com	<u>om</u>		
1.4. Emergency telephone number			
Emergency number	: (844) 523-4086 (3E Company - Account 10069)		
SECTION 2: Hazard(s) identification	n		
2.1. Classification of the substance or			
	IIIXture		
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 P264 - Wash skin thoroughly after handling P271 - Use only outdoors or in a well-ventilated area P280 - Wear protective gloves/protective clothing/eye protection/face protection P302+P352 - If on skin: Wash with plenty of soap and water P304+P340 - If inhaled: Remove person to fresh air and keep comfortable for breathing P305+P351+P338 - If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing P312 - Call a POISON CENTER or doctor/physician if you feel unwell P321 - Specific treatment (see supplemental first aid instructions on this label) P332+P313 - If skin irritation occurs: Get medical advice/attention P337+P313 - If eye irritation persists: Get medical advice/attention P362+P364 - Take off contaminated clothing and wash it before reuse</li> </ul>		

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- 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

	P501	<ul> <li>Dispose of contents/containe</li> </ul>	r to an approved waste	e disposal plant
2.3. Other hazards				
No additional information available				
2.4. Unknown acute toxicity (GHS US)				
Not applicable				
SECTION 3: Composition/informatic	on on in	aredients		
3.1. Substance		grouiento		
Substance type	· Mone	o-constituent		
	. Mone			
Name	00	Product identifier	%	Classification (GHS-US)
(4R)-2,2-Dioxido-4-methyl-1,2,3-oxathiazolidine, N-B protected (Main constituent)	00	(CAS No) 454248-53-4	<= 100	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				
4.1. Description of first aid measures				
First-aid measures general		se of accident or if you feel unw e possible). Move the affected (		
First-aid measures after inhalation		ove person to fresh air and kee ration. Get medical advice/atter		hing. If not breathing, give artificial
First-aid measures after skin contact	: Wash	n with plenty of soap and water.	Get medical advice/at	tention.
First-aid measures after eye contact		ediately flush eyes thoroughly went and easy to do. Continue rir		5 minutes. Remove contact lenses, if ce/attention.
First-aid measures after ingestion	: Do N	OT induce vomiting. Never give h out with water. Get medical a	anything by mouth to	
4.2. Most important symptoms and effe	cts. both	acute and delayed		
Symptoms/injuries	: The r		s and effects are desc	ribed in the labelling (see section
4.3. Indication of any immediate medica	,		ed	
Treat symptomatically.			cu	
SECTION 5: Firefighting measures				
5.1. Extinguishing media				
Suitable extinguishing media		nol resistant foam. Carbon dioxi opriate for surrounding fire.	de. Dry powder. Water	spray. Use extinguishing media
5.2. Special hazards arising from the su	bstance	or mixture		
Fire hazard	: Theri	mal decomposition generates: (	Carbon oxides. Nitroge	n oxides. Silicon oxides.
5.3. Advice for firefighters				
Firefighting instructions	: In ca	se of fire: Evacuate area.		
Protection during firefighting		gas tight chemically protective	clothing in combination	n with self contained breathing
				sure controls/personal protection".
SECTION 6: Accidental release mea	SUITAS			
6.1. Personal precautions, protective equipment and emergency procedures				
General measures		uate unnecessary personnel. E	nsure adequate air ver	ntilation. Do not breathe dust
	,00			
6.1.1. For non-emergency personnel				
Emergency procedures	: Only	qualified personnel equipped w	ith suitable protective e	equipment may intervene.
6.1.2. For emergency responders				
Protective equipment		ot attempt to take action withou to section 8: "Exposure control		uipment. For further information

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6.2. Environmental precautions			
	Avoid release to the environment. Notify authorities if product enters sewers or public waters.		
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6.3. Methods and material for containme	ent 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, includi	ng any incompatibilities		
Technical measures	: Comply with applicable regulations.		
Storage conditions	: Keep container closed when not in use. Keep away from ignition sources. Keep contents under inert gas.		
Incompatible materials	: Refer to Section 10 on Incompatible Materials.		
Storage temperature	: 2 - 8 °C Use explosion proof refrigerator		
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 a	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	: 100 - 107 °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

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Vapor pressure	: No data available
Relative density	: No data available
Relative vapor density at 20 °C	: No data available
Molecular mass	: 237.27 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 additional information available			
10.2.	Chemical stability		
The product is stable at normal handling and storage conditions.			
10.3.	Possibility of hazardous reactions		
No add	itional 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		

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

: Not classified
: Causes skin irritation.
: Causes serious eye irritation.
: Not classified
: May cause respiratory irritation.
: Not classified
: Not classified
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No additional information available

12.2. Persistence and degradability

No additional 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 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.
Department of Transportation (DOT)	
In accordance with DOT	
Not regulated for transport	
TDG	
No additional information available	

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 Substances Control Act (TSCA) inventory except for:

(4R)-2,2-Dioxido-4-methyl-1,2,3-oxathiazolidine, N-BOC	CAS No 454248-53-4	100%	
protected			

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**

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Full text	t 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
NFPA f	nealth hazard ire hazard eactivity	<ul> <li>2 - Intense or continued exposure could cause temporary incapacitation or possible residual injury unless prompt medical attention is given.</li> <li>0 - Materials that will not burn.</li> <li>0 - Normally stable, even under fire exposure conditions, and are not reactive with water.</li> </ul>
HMIS II	I Rating	
Health		: 2 Moderate Hazard - Temporary or minor injury may occur
Flamma	ability	: 0 Minimal Hazard - Materials that will not burn
Physica	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)

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.