

Safety Data Sheet 4H561C1 according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations Date of issue: 01/20/2016 Version: 1.0

Sec. FLOW 11 (definition) Product tom Substance name 1: 1 Montification Product tom Substance name 1: 41-bit formula 1: 100000000000000000000000000000000000			
Product form : Substance Substance name : 4 - Hydroxypiperidine, N-BOC protected Substance name : 4 - Hydroxypiperidine, N-BOC protected CAS No : 10384-19-2 Product code : 4 4456-1-01 Formula : (101413N0-3 Synonyms : 1 - fore-Full volocationary)1 - Hydroxypiperidine; terr-Butyl 4 - Hydroxypiperidine-1-carboxytate Dther means of identification : MFCD01075174 1.2 Relevant identified uses of the substance or mixture and uses advised against Use of the substance/mixture : Laboratory chemicals Synonyms : Laboratory chemicals Synonyms : (1, 2, 0, 100, 100, 100, 100, 100, 100, 1	SECTION 1: Identification		
Substance name : 4+Hydroxypiperidine, N-BOC protected CAS No : 10938419-2 Product code :: 4H86-1-C1 Formula :: C10H19N03 Synonyms :: L(ert-Butoxycathonyl)-4-hydroxypiperidine; ten-Butyl 4-hydroxypiperidine; 1-carboxylate Date means of identification :: MFCDD1075174 12. Relevant identified uses of the substance or insture and uses advised against 13. Details of the supplier of the safety data sheet SynOputer Laboratory chemicals : Suboratory chemicals Manufacture of substance on mixture : Suboratory chemicals Cossidication of the subuestation of the subcety data sheet : SynOputer Laboratory chemicals Cossidication of the subuestation on mixture and uses advised against : Suboratory Chemicals Cossidication of the substance on mixture : Suboratory Chemicals SynOputer Laboratory chemicals : Suboratory chemicals			
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2. Relevant Identified uses of the substance or mixture and uses advised against se of the substance/mixture : Laboratory chemicals Manufacture of substances Scientific research and development 3. Details of the supplier of the safety data sheet ynCuest Laboratories, Inc. O. Box 309 Isachus, FL 32615 - United States of America (386) 462-0789. F (386) 462-7097 (582xrquestIstascom - www.synquestIabs.com 4. Emergency telephone number mergency number : (844) 523-4086 (3E Company - Account 10069) ECTION 2: Hazard(s) Identification 1. Classification of the substance or mixture lassification (GHS-US) Kin Inti. 2 1315 - Causes skin irritation yet mr.2A 1. Classification of the substance or mixture lassification (GHS-US) Kin Inti. 2 1315 - Causes skin irritation yet mr.2A 1. Classification of the substance or mixture lassification (GHS-US) Kin Inti. 2 1315 - Causes skin irritation yet mr.2A 1. Classification of the substance or mixture lassification (GHS-US) : warning xet/svintation H319 - Causes serious eye irritation H335 - May cause respiratory irritation H335 - May causerespiratory irritation H335 - May cause respi	ynonyms	: 1-(tert-Butoxycarbonyl)-4-hydroxypiperidine; tert-Butyl 4-hydroxypiperidine-1-carboxylate	
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ynQuest Laboratories, Inc. O, Box 309 Bachar, FL 32615 - United States of America (366) 462-0789 - F (386) 462-7087 662 synquestBacks.com : www.snquestBabs.com 4. Emergency telephone number mergency number : (844) 523-4086 (3E Company - Account 10069) ECTION 2: Hazard(s) identification 1. Classification of the substance or mixture lassification (GHS-US) kin Intt. 2 H315 - Causes skin irritation yerint 2A H319 - Causes serious eye irritation TOT SE 3 H335 - May cause respiratory irritation ull text of H-phrases: see section 16 2. Label elements H5-US labeling azard pictograms (GHS-US) i: H315 - Causes skin irritation H319 - Causes skin order the substance of the s		Manufacture of substances	
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Safety Data Sheet according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

2.3. Other hazards				
No additional information available				
2.4. Unknown acute toxicity (GHS US) Not applicable				
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SECTION 3: Composition/information of	on ing	gredients		
3.1. Substance	Mana			
Substance type :	Iviono	constituent		<u>.</u>
Name		Product identifier	%	Classification (GHS-US)
4-Hydroxypiperidine, N-BOC protected (Main constituent)		(CAS No) 109384-19-2	<= 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 :		e of accident or if you feel unwell, seek r possible). Move the affected personnel		
First-aid measures after inhalation :		ve person to fresh air and keep comforta ation. Get medical advice/attention.	able for breathin	g. If not breathing, give artificial
First-aid measures after skin contact :	Wash	with plenty of soap and water. Get medi	cal advice/atten	ntion.
First-aid measures after eye contact :		diately flush eyes thoroughly with water f ht and easy to do. Continue rinsing. Get		
First-aid measures after ingestion :		OT induce vomiting. Never give anything out with water. Get medical advice/atter		unconscious person. Rinse
4.2. Most important symptoms and effects,	both a	cute 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 at	tentior	and special treatment needed		
Treat symptomatically.				
SECTION 5: Firefighting measures				
5.1. Extinguishing media				
Suitable extinguishing media :		ol resistant foam. Carbon dioxide. Dry po priate for surrounding fire.	owder. Water sp	oray. Use extinguishing media
5.2. Special hazards arising from the subst	ance o	r mixture		
Fire hazard :	Therm	al decomposition generates: Carbon oxi	ides. Nitrogen o	oxides.
5.3. Advice for firefighters				
Firefighting instructions :	: In case of fire: Evacuate area.			
Protection during firefighting :		gas tight chemically protective clothing in atus. For further information refer to sect		
SECTION 6: Accidental release measure	res			
6.1. Personal precautions, protective equip				
General measures :	Evacu	ate unnecessary personnel. Ensure ade	quate air ventila	ation. Do not breathe dust.
6.1.1. For non-emergency personnel				
Emergency procedures :	Only o	ualified personnel equipped with suitable	e protective equ	uipment may intervene.
6.1.2. For emergency responders				
Protective equipment :		t attempt to take action without suitable p o section 8: "Exposure controls/personal		ment. For further information
6.2. Environmental precautions				

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 c	ontainment 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 section	S
No additional information available	
SECTION 7: Handling and sto	brage
7.1. Precautions for safe handl	ing
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	e, including any incompatibilities
Technical measures	: Comply with applicable regulations.

recnnical 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 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	: 61 - 65 °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
Relative density	: No data available
Relative vapor density at 20 °C	: No data available
Molecular mass	: 201.26 g/mol

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: No data available
: No data available

9.2. Other information

No additional information available

SECTION 10: Stability and I	reactivity
10.1. Reactivity	
No additional information available	
10.2. Chemical stability	
The product is stable at normal hand	ling and storage conditions.
10.3. Possibility of hazardous	reactions
No additional information available	
10.4. Conditions to avoid	
Keep away from heat, sparks and fla	me.
10.5. Incompatible materials	
Strong oxidizing agents.	
10.6. Hazardous decomposition	on products
Under normal conditions of storage a fire, see Section 5.	and use, hazardous decomposition products should not be produced. Hazardous decomposition products in case of
SECTION 11: Toxicological	information
11.1. Information on toxicolog	ical effects
Acute toxicity	: Not classified
Skin corrosion/irritation	: Causes skin irritation.
Serious eye damage/irritation	: Causes serious eye irritation.

Senous eye damage/imation	. Causes senous eye imitation.
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

SECTION 12: Ecological information 12.1. **Toxicity** No additional information available 12.2. Persistence and degradability No additional information available 12.3. **Bioaccumulative potential** No additional information available 12.4. Mobility in soil No additional information available 12.5. Other adverse effects No additional information available

Aspiration hazard

: Not classified

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SECTION 13: Disposal considerati	ons
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 informatio	n
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 informati	on
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:

4-Hydroxypiperidine, N-BOC protected CAS No 109384-19-2 100%		01011 100001 10 0	4000/
	4-Hydroxypiperidine, N-BOC protected		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

4-Hydroxypiperidine, N-BOC protected (109384-19-2)

Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China) Listed on the Japanese ISHL (Industrial Safety and Health Law)

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

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NFPA health hazard	: 2 - Intense or continued exposure could cause temporary incapacitation or possible residual injury unless prompt medical attention is 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.