

(3S)-1,2,3,4-Tetrahydroisoquinoline-3-(N-tert-butylcarboxamide) Safety Data Sheet 4H481S3

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations Date of issue: 08/04/2016 Version: 1.0

SECTION 1: Identification In 1.1 Identification Product form : Substance Substance name : (35)-1.2.3.4-Totathydrolisoquinoline-3-(N-tert-butylcarboxamide) CAS No :: 41418-7.2.3 Product code :: 41418-7.2.3 Formula :: C141420X20 Synonyms :: (35)-N-tert-Butyl-1.2.3.4-Intrahydrolisoquinoline-3-carboxamide Other means of identified uses of the substance or mixture and uses advised against Use of the substance/mixture :: Laboratory chemicals Maintacture of substances Scientific research and development 1.3. Datalis of the subplier of the safety data sheet SynOurse I. Laboratory chemicals Scientific research and development 1.4. Energency number : (844) 523-4086 (SE Company - Account 10069) SECTION 2: Heazerd(do) identification : 2.1. Classification of the substance or mixture Classification (GHS-US) : (844) 523-4086 (SE Company - Account 10069) SECTION 2: Heazerd(do) identification : Classification (GHS-US) : (844) 523-4086 (SE Company - Account 10069) SECTION 2: Heazerd(do) identification : Classification (GHS-US)		
Product form : Substance name : (33)-1,2,4-Tetrahydroisoquinoline-3-(N4ert-butyloarboxamide) Substance name : (33)-1,2,4-Tetrahydroisoquinoline-3-(N4ert-butyloarboxamide) CAS No : 149182-72-9 Product oole : 4448-153 Formula : (1442002O Synonyms : (35)-M-fort-Butyl-1,2,3,4-tetrahydroisoquinoline-3-carboxamide Other means of identification : MFCD01313227 12. Relevant identified uees of the substance or mixture and uses advised against Use of the substance/mixture : Laboratory chemicals Munifacture of substances Scientific research and development 13. Details of the subptance of the substance Scientific research and development 14. Emergency number : (844) 523-4088 (3E Company - Account 10069) SPCOVES Laboratories, Inc. P.O. Box 309 SPCOVES Laboratories, Inc. SPCOVES Hazard (s) Identification 2.1. Classification of the substance or mixture Classification (GHS-US) Acue Tox 4 (Dro H. H302 - Harmful if swallowed SPCOVES Laboratories, Inc. SPCOVES Laboratories, Inc. SPCOVES Laboratories, Inc. SPCOVES Laboratories, Inc. SPCOVES Laboratories, Inc. SPCOVES Laboratories, Inc. SPCOVES Laboratories, Inc. Precautionary statements (GHS-US) SPCOVES Protection Hat2 - Harmful to aquatic life swallowed Hat2 - Harmful	SECTION 1: Identification	
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Product code : 4448-1-33 Formula : C14H2DN2O Synonyms : C14H2DN2O Synonyms : C14H2DN2O Synonyms : VICO1313227 1. Relevant identified uses of the substance or mixture and uses advised against Use of the substance/mixture : Laboratory chemicals Manufacture of substances Scientific research and development 1. Dotalis of the supplier of the safety data sheet SynOnese Laboratories, Inc. PO. Box 309 Auchtus, F1. 32815 - United States of America 1. Relevant identification : Relevant identification PO. Box 309 Auchtus, F1. 32815 - United States of America 1.4. Emergency talephone number Emergency talephone number Emergency talephone number Exercision : Relevant identification : Relevant identification SECTION 2: Hazard(s) Identification 2.1. Classification of the substance or mixture Classification (GHS-US) Acutus A. 40031 M202 - Harmful if swallowed Storing : Relevant identification : Relevant interion Sectision : Relevant interion Sectision : Relevant identification : Relevant identificat	Substance name	: (3S)-1,2,3,4-Tetrahydroisoquinoline-3-(N-tert-butylcarboxamide)
Formula :: C14H20N20 Synoryms :: (S3)-H4ten-Budyl-1,2,3,4-tetrahydroisoquinoine-3-carboxamide Other means of identification :: (SiC)-H4ten-Budyl-1,2,3,4-tetrahydroisoquinoine-3-carboxamide 1.2. Relevant identifications :: Laboratory chemicals Manufacture of substance/mixture :: Laboratorise and velopment 7.0. Details of the supplier of the safety data sheet	CAS No	: 149182-72-9
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12. Relevant identified uses of the substance or mixture and uses advised against Use of the substance/mixture i. Laboratory chemicals Manufacture of substances Scientific research and development 13. Details of the supplier of the safety data sheet SynCuest Laboratories, Inc. P. 0. Box 308 Kathus, FL 32615 - United States of America T (386) 462-0788 - F (386) 462-7087 (584) 452-7087 (folds) varyungestlabs.com 14. Emergency teleptone number Emergency teleptone number 21. Classification of the substance or mixture Classification (GHS-US) K(44) 523-4086 (3E Company - Account 10069) Stortion 2.4 Hazard(5) identification Scart 1000 (644) 523-4086 (3E Company - Account 10069) Stortion 3.4 H32 - Hazard(5) identification (644) 523-4086 (3E Company - Account 10069) Stortion 4.4 (Oral) H302 - Harmful if swallowed Kan vary cause stars intration Fy and vary cause stars intration Kay cause respiratory intriation Kay cause respiratory intriation Kay cause respiratory intriation Hazard pictograms (GHS-US) Kinstr Kuaring Haz	Synonyms	: (3S)-N-tert-Butyl-1,2,3,4-tetrahydroisoquinoline-3-carboxamide
Use of the substance/mixture :: Laboratory chemicals Scientific research and development 1.0. Details of the supplier of the safety data sheet NonQuest Laboratories, Inc. P.O. Box 309 Alachua, FL 28215 - United States of America T (386) 462-0788 - F (386) 462-7087 (10502srouteatlabs.com - uwww.syntuestlabs.com 1.4. Emergency tolephone number Energency number : (844) 523-4086 (3E Company - Account 10089) SECTION 2: Hazzrd(5) Identification SECTION 2: Hazzrd(5) Identification Classification of the Supplier of the safety data sheet Section (948-US) Actua Tox 4 (07m) H302 - Hamful if swallowed Skin Irrit. 2 H315 - Causes skin irritation Eye Irrit. 2A H319 - Causes skin irritation Eye Irrit. 2A H319 - Causes skin irritation Eye Irrit. 3A H319 - Nauses skin irritation Eye Irrit. 3A H319 - Nauses skin irritation Eye Irrit. 3A H319 - Nauses skin irritation Aquatic Acuto 3 H42 - Hamful to aquatic life Aquatic Acuto 3 H42 - Hamful to aquatic life Hazard slabeling Hazard slabeling Hazard slabelements (GHS-US) : i Waning Hazard slabelements (GHS-US) : i Waning Hazard slabelements (GHS-US) : i Waning Hazard slabelements (GHS-US) : i P361 - Avoid breating dust, init, sigray P264 - Wash Shin thoroughly Har handing P270 - Do not eat, drink or smoke when using this product P281 - Wash Shin thoroughly Har handing P270 - Do not eat, drink or smoke when using this product P281 - Wash Shin thoroughly Har handing P272 - Do not eat, drink or smoke when using this product P281 - Wash Shin thoroughly Har handing P272 - Do not eat, drink or smoke when using this product P280 - Wash Shin thoroughly Jate Harding P271 - Do not e	Other means of identification	: MFCD01313227
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SynCluest Laboratories, Inc. P.O. Box 309 Alachua, FL 32815 - United States of America T (386) 462-0788 - F (386) 462-7097 Indegevanuestisbas.com - www.syncuestiabs.com 1.4. Energency telephone number Emergency number : (844) 523-4086 (3E Company - Account 10069) SECTION 2: Hazard(s) identification 2.1. Classification of the substance or mixture Classification of HS-US) Acute Tox, 4 (Ora) H302 - Harmful if swallowed Storing and the substance or mixture Classification of the substance or mixture Profile Acute 3 H402 - Harmful if swallowed H10 Ext of H-phrases: see section 16 2.2. Label elements GHS-US labeling Hazard pictograms (CHS-US) : Warning Hazard statements (CHS-US) : Warning Hazard statements (CHS-US) : H302 - Harmful if swallowed H319 - Causes serious eye irritation H319 - Causes serious eye irritation H310 - Causes serious eye irritation H319 - Causes serious eye irritation H310 - Cause Acute serious eye irritation H310	Use of the substance/mixture	Manufacture of substances
Pi O Box 309 Alachua, FL 32615 - United States of America T (386) 462-0788 - F (386) 462-7087 Info@synquestlabs.com - www.synquestlabs.com 14. Emergency telephone number Emergency number : (844) 523-4086 (3E Company - Account 10069) SECTION 2: Hazard(s) identification 21. Classification of the substance or mixture Classification (OHS-US) Acute Tox 4 (Oral) H302 - Harmful if swallowed Skin Inft 2 H315 - Causes skin irritation Eye Inft 2 H315 - Causes skin irritation Eye Inft 2 H335 - May cause respiratory irritation STOT SE 3 H335 - May cause respiratory irritation STOT SE 3 H335 - May cause respiratory irritation Aquatic Acute 3 H412 - Harmful to aquatic life Aquatic Chronic 3 H412 - Harmful to aquatic life Aquatic Chronic 3 H412 - Harmful to aquatic life Hazard pictograms (GHS-US) Signal word (GHS-US) : Warning Hazard statements (GHS-US) : Warning Hazard statements (GHS-US) : H302 - Harmful if swallowed H315 - Causes skin irritation H32 - May cause serious eye irritation H319 - Causes serious eye irritation H319 - Causes skin irritation H319 - May cause reprisertory irritation H319 - Causes skin irritation H320 - Harmful I saudioved bay cause reprisertory irritation H320 - May cause reprisertory	1.3. Details of the supplier of the safety	data sheet
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Skin Irrit. 2 H315 - Causes skin irritation Eye Irrit. 2A H315 - Causes serious eye irritation StOT SE 3 H325 - May cause respiratory irritation Aquatic Acute 3 H402 - Harmful to aquatic life Aquatic Chronic 3 H412 - Harmful to aquatic life with long lasting effects Full text of H-phrases: see section 16 2.2. Label elements GHS-US labeling Hazard pictograms (GHS-US) : GHS07 Signal word (GHS-US) : H315 - Causes skin irritation H315 - Causes skin irritation H315 - Cause skin irritation H315 - Cause skin irritation H315 - Causes skin irritation H316 - Causes skin irritation H317 - Causes skin irritation H318 - Wa cause respiratory irritation H319 - Causes skin irritation H319 - Causes as hold horo		
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P264 - Wash skin thoroughly after handling P270 - Do not eat, drink or smoke when using this product P271 - Use only outdoors or in a well-ventilated area P273 - Avoid release to the environment P280 - Wear protective gloves/protective clothing/eye protection/face protection P301+P312 - If swallowed: Call a POISON CENTER or doctor/ physician if you feel unwell P302+P352 - If on skin: Wash with plenty of soap and water	Hazard statements (GHS-US)	H315 - Causes skin irritation H319 - Causes serious eye irritation H335 - May cause respiratory irritation
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12/08/2016 EN (English US) SDS ID: 4H481S3 Page 1	12/08/2016	EN (English US) SDS ID: 4H481S3 Page 1

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

2.3. Other hazards	lenses, if present and easy to c P312 - Call a POISON CENTE P321 - Specific treatment (see P330 - Rinse mouth P332+P313 - If skin irritation oc P337+P313 - If eye irritation pe P362+P364 - Take off contamin P403+P233 - Store in a well-ve P405 - Store locked up	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 P403+P233 - Store in a well-ventilated place. Keep container tightly closed		
No additional information available				
2.4. Unknown acute toxicity (GHS	i US)			
Not applicable				
SECTION 3: Composition/infor	mation on ingredients			
3.1. Substance				
Substance type	: Mono-constituent		L	
Name	Product identifier	%	Classification (GHS-US)	
(3S)-1,2,3,4-Tetrahydroisoquinoline-3-(N-tert- butylcarboxamide) (Main constituent)	- (CAS No) 149182-72-9	<= 100	Acute Tox. 4 (Oral), H302 Skin Irrit. 2, H315 Eye Irrit. 2A, H319 STOT SE 3, H335 Aquatic Acute 3, H402 Aquatic Chronic 3, H412	
Full text of H-phrases: see section 16				
3.2. Mixture				
Not applicable				
SECTION 4: First aid measures				
4.1. Description of first aid measu				
First-aid measures general	: In case of accident or if you fee where possible). Move the affe	cted personnel away from the	contaminated area.	
First-aid measures after inhalation	respiration. Get immediate med	dical advice/attention.	ng. If not breathing, give artificial	
First-aid measures after skin contact	: Wash with plenty of soap and v			
First-aid measures after eye contact	present and easy to do. Contin		minutes. Remove contact lenses, if dical advice/attention.	
First-aid measures after ingestion	: Do NOT induce vomiting. Neve mouth out with water. Get imme			
4.2. Most important symptoms an	nd 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 n	medical attention and special treatment	needed		
Treat symptomatically.				
SECTION 5: Firefighting measu	ures			
5.1. Extinguishing media				
Suitable extinguishing media	: Alcohol resistant foam. Carbon appropriate for surrounding fire		pray. Use extinguishing media	
5.2. Special hazards arising from	the substance or mixture			
Fire hazard	: Thermal decomposition generates: Carbon oxides. Nitrogen oxides.			
Explosion hazard	: When mixed with air and expose explode if confined.	: When mixed with air and exposed to an ignition source, dust may burn in the open air or		
5.3. Advice for firefighters				
Firefighting instructions	: In case of fire: Evacuate area. Fight fire remotely due to the risk of explosion.			
	: Wear gas tight chemically prote	ective clothing in combination	with self contained breathing	
Protection during firefighting		ion refer to section 8: "Exposu	ire controls/personal protection".	

(3S)-1,2,3,4-Tetrahydroisoquinoline-3-(N-tert-butylcarboxamide) Safety Data Sheet according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

SECTION 6: Accidental release measures				
6.1. Personal precautions, protective equipment and emergency procedures				
	Evacuate unnecessary personnel. Ensure adequate air ventilation. Do not breathe dust.			
644				
6.1.1. For non-emergency personnel				
Emergency procedures :	Only qualified personnel equipped with suitable protective equipment may intervene.			
6.1.2. For emergency responders				
Protective equipment :	Do not attempt to take action without suitable protective equipment. For further information			
	refer to section 8: "Exposure controls/personal protection".			
6.2. Environmental precautions				
Avoid release to the environment. Notify authorities	if product enters sewers or public waters.			
6.3. Methods and material for containment	and cleaning up			
	Stop leak if safe to do so.			
	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			
	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/persor	nal protection			
8.1. Control parameters				
No additional information available				
8.2. Exposure 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 pro	operties			
9.1. Information on basic physical and che	mical properties			
Physical state :	Solid			
Color :	No data available			
Odor :	No data available			
Odor threshold :	No data available			
pH :	No data available			
Melting point :	98 - 99 °C			
Freezing point :	No data available			

12/08/2016

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

	-	
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	:	232.32 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 add	itional information available
10.2.	Chemical stability
The pro	oduct 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 a	way from heat, sparks and flame.
10.5.	Incompatible materials
Strong	oxidizing agents.
10.6.	Hazardous decomposition products
Under r	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

Information on toxicological effects 11.1.

Acute toxicity

: Oral: Harmful if swallowed.

(3S)-1,2,3,4-Tetrahydroisoquinoline-3-(N-tert-butylcarboxamide) (149182-72-9)			
ATE US (oral)	500.000 mg/kg body weight		
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		
12/08/2016	EN (English US)	SDS ID: 4H481S3	4/6

Safety Data Sheet

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

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

SECTION 13: Disposal considerations

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 information			

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 Substances Control Act (TSCA) inventory except for:

(3S)-1,2,3,4-Tetrahydroisoquinoline-3-(N-tert-butylcarboxamide)	CAS No 149182-72-9	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

(3S)-1,2,3,4-Tetrahydroisoquinoline-3-(N-tert-butylcarboxamide) (149182-72-9)
Listed on ELINCS (European List of Notified Chemical Substances)

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

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

SECTION 16: Other information

Full tex	ull text of H-phrases:			
	Acute Tox. 4 (Oral)		Acute toxicity (oral) Category 4	
	Aquatic Acute 3		Hazardous to the aquatic environment - Acute Hazard Category 3	
	Aquatic Chronic 3		Hazardous to the aquatic environment - Chronic Hazard Category 3	
	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	
	H402		Harmful to aquatic life	
	H412		Harmful to aquatic life with long lasting effects	
incapacitation or possible			xposure could cause temporary residual injury unless prompt	
NFPA 1	ïre hazard	: 0 - Materials that will not b	$\frac{2}{2}$	
		: 0 - Normally stable, even and are not reactive with v	under fire exposure conditions,	
HMIS I	II Rating			
Health : 2 Moderate Hazard - Te		: 2 Moderate Hazard - Ten	nporary or minor injury may occur	
Flammability : 0 Minimal Hazard - Mate		: 0 Minimal Hazard - Mate	erials that will not burn	
Physical : 0 Minimal Hazard - Mate			rials that are normally stable, even under fire conditions, and will NOT rize, 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.