

Safety Data Sheet 4H481N3 according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations Date of issue: 03/02/2020 Version: 1.0

Product form I: Substance Substance name I: 2-Amino-4,6-dimethylnciolinamide SAS No I: 1744-20-3 Product code I: 4444-1-133 Ormula I: 2-Amino-4,6-dimethylpyridine-3-carboxamide, 2-Amino-3-carbamoyl-4,6-dimethylpyridine-3-carboxamide, 2-Amino-4-carboxamoyl-4,6-dimethylpyridine-3-carboxamoyl-4-carboxamoyl-4,6-dimethylpyridine-3-carboxamoyl-4-carboxamoyl-4-carboxamoyl-4-carboxamoyl-4-carboxamoyl-4-carboxamoyl-4-carboxamoyl-4-carboxamoyl-4-carboxamoyl-4-carboxamoyl-4-carboxamoyl-4-carboxamoyl-4-c		
Substance name :: 2-Amino-4,6-dimethylpicolinamide CAS No :: :: 7144-20-9 Product code :: :: :: Synonyms :: :: :: :: Synonyms :: :: :: :: :: :: :: :: :: :: :: :: :: :: :: :: :: :: :: :: :: :: :: :: :: :: :: :: :: :: :: :: :: :: :: :: :: :: :: :: :: :: :: :: :: :: :: :: :: :: :: :: :: :: :: :: :: :: :: :: :: :: :: :: :: :: :: :: :: :: :: :: :: :: :: :: :: :: :: :: :: :: :: :: :: :: ::		
CAS No : 7144-20-9 Product code : 41448-1-13 Formula : C3H11NSO Synoryms : 2-Amino-4,6-dimethylpyridine-3-carboxamide; 2-Amino-3-carbamoyl-4,6-dimethylpyridin Other means of identification : MFCD00138572 Laboratory chemicals MFCD00138572 Laboratory chemicals Manufacture of usubstances Scientific research and development 1.3. Details of the supplier of the safety data sheet Synoryms 1.2. Relevant identified uses of America T (389) 462-0789. F (389) 482-7097 Info & Synoryms 2.2. Carbon States of America T (389) 462-0789. F (389) 482-7097 Info & Synoryms 2.2. Carbon States of America T (389) 462-0789. F (389) 482-7097 Info & Synoryms 2.2. Carbon States of America T (389) 462-0789. F (389) 482-7097 Info & Synoryms 2.2. Carbon States of America T (389) 462-0789. F (389) 482-7097 Info & Synoryms 2.2. Carbon States of America T (389) 462-0789. F (389) 482-7097 Info & Synoryms 2.2. Carbon States of America T (389) 492-0789. F (389) 482-7097 Info & Synoryms 2.2. Carbon States of America T (389) 492-0789. F (389) 482-7097 Info & Synoryms 2.2. Carbon States of America T (389) 492-0789. F (389) 482-7097 Info & Synoryms 2.2. Carbon States of America T (389) 492-0789. F (389) 482-7097 Info & Synoryms 2.2. Carbon States of America T (389) 492-0789. F (389) 482-7097 Info & Synoryms 2.2. Carbon States of America T (389) 492-0787 Info & Synoryms 2.2. Carbon States of America T (389) 492-0787 Info & Synoryms 2.2. Carbon States of America State T Co.2. (Oral) H302 - Harmful if swallowed Storn T 2. Marting and America T (389) 492 Info & Synoryms 2.2. Carbon States States T (389) Signal word (GHS-US) : Danger Hazard statements (GHS-US) : Danger Hazard statements (GHS-US) : Danger Hazard statements (GHS-US) : P 201 - Other america T (380) 483, for Control States P (380)	Product form	: Substance
Product code : : 4H48-1-N3 Formula : C8H11N30 Synonyms : : 2-Amino-4, 6-dimethylpyridine-3-carboxamide; 2-Amino-3-carbamoyl-4, 6-dimethylpyridin Other means of identification : MFCD00138572 1.2. 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 1.3. Details of the supplier of the safety data sheet SynOuese Laboratories, Inc. P.O. Dox 309 Nancha, PL 32615 - United States of America T (266), 462-0168 - (268), 462-0169 Into Bisynouesilatios.com : www.synouesilabis.com 1.4. Energency telephone number Emergency number : (844) 523-4086 (3E Company - Account 10069) SECTION 2: Hazard(5) identification 2.1. Classification of the substance or mixture Classification (CHS-US) Acute Tox, 4 (Oral) H302 - Harmful if swallowed Stor 152 3 H335 - May cause respiratory irritation Full text of H-phrases: see section 16 2.2. Label olements GHS-US Signal word (GHS-US) Full text of H-phrases: see section 16 2.2. Label olements GHS-US Signal word (GHS-US) Full text of H-phrases: see section 16 2.3. H335 - May cause respiratory irritation Full text of H-phrases: see section 16 2.4. Label olements GHS-US Hazard pictograms (GHS-US) Full ext of H-phrases: see section 16 2.5. Label olements CHS-US Hazard pictograms (GHS-US) Figure Word Magne fertility or the unborn child Figure Word M	Substance name	: 2-Amino-4,6-dimethylnicotinamide
Formula : C8H11N3O Synoryms : 2-Amino-4.6-dimethylpyridine-3-carboxamide; 2-Amino-3-carbamoyl-4.6-dimethylpyridin Other means of identification : IMFCD001387/2 1.2. 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 1.3. Details of the supplier of the safety data sheet SynCuest Laboratories, Inc. P.O. Box 309 Alachava, FL 28/15 - United States of America 17 (386) 462-0783 - F (386) 462-0780 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 mixture Classification (CHS-US) Acute Tox, 4 (Ora) H302 - Harmful if swallowed Sim Int. 2 H315 - Causes skin irritation For May damage tentily the unborn child STOT SE 3 H335 - May cause respiratory irritation Figle Int. 2 H345 - Causes skin irritation Figle Int. 2 Harmful if swallowed Signal word (CHS-US) Hazard pictograms (GHS-US) Hazard pictograms (GHS-US) Figure May cause respiratory irritation Hazard pictograms (GHS-US) Hazard statements (GHS-US) Figure May cause respiratory irritation H335 - May cause respiratory irritation H336 - May cause respiratory irritation H337 - May cause respiratory irritation H336 - May cause respiratory irritation H337 - May cause respiratory irritation H336 - May cause respiratory irritation H337 - May cause respiratory irritation H336 - May cause respiratory irritation H336 - May cause res	CAS No	: 7144-20-9
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Other means of identification : MFCD00138572 1.2. 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 1.3. Details of the supplier of the safety data sheet SynQuest Laboratories, Inc. P.O. Box 300 Nachus, FL 32815 - United States of America T (368) 462-0784 T (368) 462-0784 - F (368) 462-07867 info@Sixquestlabs.com 1.4. Emergency tolephone number Emergency number : (844) 523-4086 (3E Company - Account 10089) SECTION 2: Hazard(S) identification 2.1. Classification of the substance or mixture Classification (OHS-US) Acues service yer initation Every limit 2. Skin Intri 2. H319 - Causes skin irritation Every limit 2. Full text of H-phrases: see section 16 2.2. Label elements GHS-US labeling : :	Formula	: C8H11N3O
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SynQuest Laboratories, Inc. P.O. Box 309 Alachua, FL 32615 - United States of America T (386) 462-7087 T (386) 462-7084 - F (386) 462-7097 Initial States com - www.synquestlabs.com 1.4. Emergency telephone number Emergency number : (844) 523-4086 (3E Company - Account 10069) SECTION 2: Hazard(s) identification 21. Classification (GHS-US) Account 10069 Acute Tox. 4 (Oral) H302 - Harmful if swallowed Skin Int. 2 H315 - Causes skin irritation Repr. 1B H360 - May damage fertility or the unborn child STOT SE 3 H335 - May cause respiratory irritation Full text of H-phrases: see section 16 22. 2.2. Label elements GHS-US labeling : Danger Hazard pictograms (GHS-US) : Danger Hazard statements (GHS-US) : Danger H320 - Harmful if swallowed H319 - Causes serious eye irritation H360 - May damage fertility or the unborn child H319 - Causes serious eye irritation H319 - Causes skin irritation H319 - Causes skin irritation H319 - Causes skin irritation H319 - Causes skin irritation H319 - Causes skin inritation H319 - Ca		: Laboratory chemicals Manufacture of substances
P.O. Box 309 Alachus, FL 32615 - United States of America T (386) 462-0786 - F (386) 462-7097 Info@synquestlabs.com - www.synquestlabs.com 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 mixture Classification (CHS-US) Acute Tox. 4 (Oral) H302 - Harmful if swallowed Skin Irnt. 2 H315 - Causes skin irritation Eye Irnt. 2A. H319 - Causes serious eye irritation Eye Irnt. 2A. H319 - Causes serious eye irritation Eye Irnt. 2A. H315 - May cause respiratory irritation Full text of H-phrases: see section 16 2.2. Label elements GHS-US labeling Hazard pictograms (GHS-US) Flazard pictograms (GHS-US) Flazard statements (GHS-US) Precautionary stat	1.3. Details of the supplier of the sa	afety data sheet
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P304+P340 - If inhaled: Remove person to fresh air and keep comfortable for breathing	Skin Irrit. 2 H315 - Causes skin Eye Irrit. 2A H319 - Causes serid Repr. 1B H360 - May damage STOT SE 3 H335 - May cause respection 16 2.2. Label elements GHS-US labeling Hazard pictograms (GHS-US) Signal word (GHS-US)	 irritation bus eye irritation e fertility or the unborn child espiratory irritation : i i i i i i i i i i i i i i i i i i i
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Safety Data Sheet according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

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	P312 P322 P330 P332 P333 P362 P403 P403	 3+P313 - If exposed or concerned: Get m 2 - Call a POISON CENTER or doctor/ph 1 - Specific treatment (see supplemental i) 2 - Rinse mouth 2+P313 - If skin irritation occurs: Get med 2+P313 - If eye irritation persists: Get med 2+P364 - Take off contaminated clothing 3+P233 - Store in a well-ventilated place. 5 - Store locked up 1 - Dispose of contents/container to an approximation 	ysician if you fe first aid instruct lical advice/atte dical advice/atte and wash it bef Keep containe	el unwell ions on this label) intion ention ore reuse r tightly closed
2.3. Other hazards				
No additional information available				
2.4. Unknown acute toxicity (GHS US)				
Not applicable				
SECTION 3: Composition/information	on on ir	ngredients		
3.1. Substance				
Substance type	: Mon	o-constituent		
Name		Product identifier	%	Classification (GHS-US)
2-Amino-4,6-dimethyInicotinamide (Main constituent)		(CAS No) 7144-20-9	<= 100	Acute Tox. 4 (Oral), H302 Skin Irrit. 2, H315 Eye Irrit. 2A, H319 Repr. 1B, H360 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	wher	se of accident or if you feel unwell, seek re possible). Move the affected personne	away from the	contaminated area.
First-aid measures after inhalation	resp	ove person to fresh air and keep comfort iration. Get immediate medical advice/att h with plenty of soap and water. Get imm	ention.	
First-aid measures after eye contact	: Imm	ediately flush eyes thoroughly with water	for at least 15 r	minutes. Remove contact lenses, if
First-aid measures after ingestion	: Do N	 present and easy to do. Continue rinsing. Get immediate medical advice/attention. 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 effe	cts, 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 medica	al attentio	on 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 su	Ibstance	or mixture		
Fire hazard	: Ther	mal decomposition generates: Carbon ov	kides. Nitrogen	oxides.
5.3. Advice for firefighters				
Firefighting instructions	: In case of fire: Evacuate area.			
Protection during firefighting		r gas tight chemically protective clothing iratus. For further information refer to sec		
SECTION 6: Accidental release mea	sures			
6.1. Personal precautions, protective ed	quipment	and emergency procedures		
General measures	: Evad	uate unnecessary personnel. Ensure ad	equate air venti	lation. Do not breathe dust.
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Safety Data Sheet according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

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6.1.1. For no	on-emergency personnel	
Emergency proc	cedures	: Only qualified personnel equipped with suitable protective equipment may intervene.
6.1.2. For er	mergency responders	
Protective equip	ment	: Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".
6.2. Enviro	onmental precautions	
Avoid release to	the environment. Notify authoritie	s if product enters sewers or public waters.
6.3. Metho	ods and material for containmen	t and cleaning up
For containment	t	: Stop leak if safe to do so.
Methods for clea	aning up	: Sweep or shovel spills into appropriate container for disposal. Minimize generation of dust.
Other informatio	n	: For disposal of solid materials or residues refer to section 13 : "Disposal considerations".
6.4. Refere	ence to other sections	
No additional inf	formation available	
SECTION 7:	Handling and storage	
7.1. Preca	utions for safe handling	
Precautions for s	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 measui	res	: 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. Condi	itions for safe storage, including	any incompatibilities
Technical meas	ures	: Comply with applicable regulations.
Storage conditio	ons	: Keep container closed when not in use. Hygroscopic. Keep contents under inert gas.
Incompatible ma	aterials	: 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 a	ind chemical properties
Physical state	: Solid
Color	: No data available
Odor	: No data available
Odor threshold	: No data available
рН	: No data available
Melting point	: 172 - 174 °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

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Info

Safety Data Sheet

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

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	: 165.1924 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

SECTION 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 additional information available

10.4. Conditions to avoid

Keep away 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 effects

Acute toxicity

: Oral: Harmful if swallowed.

2-Amino-4,6-dimethyInicotinamide (7144-20-	
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	: May damage fertility or the unborn child.
Specific target organ toxicity (single exposure)	: May cause respiratory irritation.
Specific target organ toxicity (repeated exposure)	: Not classified
Aspiration hazard	: Not classified

SECTIC	DN 12: Ecological information
12.1.	Toxicity
No additio	onal information available

Safety Data Sheet

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

12.2.	Persistence and degradability			
No addi	tional information available			
12.3.	Bioaccumulative potential			
No addi	tional information available			
12.4.	Mobility in soil			
No addi	tional information available			
12.5.	Other adverse effects			
No addi	No additional information available			

SECTION 13: Disposal consideratio	ns
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:

2-Amino-4,6-dimethylnicotinamide	CAS No 7144-20-9	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 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

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

Full text of H-phrases:		
Acute Tox. 4 (Oral)	Acute toxicity (oral) Category 4	
Eye Irrit. 2A	Serious eye damage/eye irritation C	ategory 2A
Repr. 1B	Reproductive toxicity Category 1B	
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	
H360	May damage fertility or the unborn of	hild
NFPA fire hazard NFPA reactivity	 incapacitation or possible residual injury unless prompt medical attention is given. 1 - Must be preheated before ignition can occur. 0 - Normally stable, even under fire exposure conditions, and are not reactive with water. 	2 0
HMIS III Rating		
Health	: 3 Serious Hazard - Major injury likely unless prompt action is given	taken and medical treatment is
Flammability	 1 Slight Hazard - Materials that must be preheated before ignit solids and semi solids having a flash point above 200 F. (Class 	
Physical	: 0 Minimal Hazard - Materials that are normally stable, even ur react with water, polymerize, decompose, condense, or self-readers.	,

SDS US (GHS HazCom 2012)

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