

Methyl 2-amino-5-iodobenzoate

Safety Data Sheet 4658HX2 according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations Date of issue: 12/07/2017 Version: 1.0

Decident Protection Proceedings Product torm Substance rame CAS No CAS No </th <th>SECTION 1: Identification</th> <th></th>	SECTION 1: Identification	
Product form : Substance : Substance : Substance : Methyl 2-amino-5-iodobencoste : Acs No : 77317-55-6 Product code : 4058-H-X2 Formula : CBHNO22 Synoryms : 4-todo-2 (interboycarbonyl)aniline; Methyl 5-iodoanthranilate Dher maars of identification : McCD00798574 12. Relevant identified uses of the substance or mixture and uses advised against 13. Details of the substance/mixture : Liboratory chemicals Synoryms : Liboratory chemicals Scientific research and development 14. Conceptual identified uses of the substance or mixture and uses advised against 13. Details of the supplier of the safety data sheet SynOuest Laboratories, Inc. Pro Box 309 Alkehua, F1 33015 - United States of America 13. Details of the supplier of the safety data sheet SynOuest Laboratories, Inc. Pro Box 309 Alkehua, F1 33015 - United States of America 14.4 Energy telephone number Emergency number : (844) 523-4086 (3E Company - Account 10069) SECTION 2: Hazard(9) Identification SECTION 2: Hazard(9) Identification Set 199 SUB Inft, 2 H315 - Causes scient nitation SECTION 2: Hazard(9) Identification Set 199 Section 200 Set 1		
Substance name : Methyl 2-amino-5-iodobenzoate CAS No : 77317-55-6 Product code : 4689-H-X2 Formula : CH4BINO2 Synonyms : 4-4 dobe 2-(methoxycarbonyl)anline; Methyl 5-iodoanthranilate Other means of identification : MFCD00798574 1.2. Relevant identified uses of the substance or mixture and uses advised against Use of the substance/mixture of substances SynOuter Laboratory chemicals Manufacture of substances SynOuter Laboratory chemicals Manufacture of substances SynOuter Laboratory chemicals Manufacture of substances SynOuter Laboratories, Inc. PO. Box 300 Machua, FL 32815 - United States of America 1.3. Details of the subplier of the safety data sheet SynOuter Laboratories, Inc. PO. Box 300 Machua, FL 32815 - United States of America 1.4. Energency telephone number Energency number : (844) 523-4086 (3E Company - Account 10069) SECTION 2: Hazard(S) identification SECTION 2: Hazard(S) Section 1.4. Energency telephone number 1.5. Causes skin infration FU levt of H-phrases: see section 16 2.2. Label elements 3.6.67 Signal word (GHS-US) Signal word (GHS-US) Field and May cause respiratory infration H33 - May cause respiratory infration H35 - May cause resp		· Substance
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Product code :: : :: : ::		
Formula : C8H8INO2 Synonyms :: 4-lodo-2-(nethoxycarboxyl)aniline; Methyl 5-iodoanthranilate Synonyms :: 4-lodo-2-(nethoxycarboxyl)aniline; Methyl 5-iodoanthranilate Ider means of identification :: McCD007986574 Ider means of identification :: Laboratory chemicals mutanciarus of substances Scientific research and development Ider means of the subplier of the safety data sheet : Somethic research and development SynOuest Laboratories, Inc. : O. Box 300 Nochas, FL 32615 - United States of America (1980) 442-0738 - (1980) 442-0738 : Somethic research and development Ide approxempt taboratories, Inc. : O. Box 300 : Somethic research and development State and the subplier of the substance or mixture : Somethic research and development : Somethic research and development State and the substance or mixture : Somethic research and development unbore : Somethic research and development Effective (1984) 420-738 - (1984) 420-738 : Somethic research and development unbore : Somethic research and development State and statements (GHS-US) : (844) 523-4086 (3E Company - Account 10069) : Somethic research and development State and statements (GHS-US) : : Warning : Somethic research and development State and pictograms (GHS-US)		
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2. Relevant identified uses of the substance or mixture and uses advised against ise of the substance/mixture Laboratory chemicals Manufacture of substances Scientific research and development 3. Details of the suppler of the safety data sheet synQuest Laboratories, Inc. Os ox 309 Bachar, FL 32015 - United States of America (306) 462-0708 + F (306) 462-7097 (2016) 462-7097 (2017) 462-7093 (3016) 462-7097 (2017) 462-7093 (3016) 462-7097 (3016) 462-7097		
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Manufacture of substances Scientific research and development 3. Details of the supplier of the safety data sheet ynQuest Laboratories, Inc. 9. Dex 309 lachua, FL 32615 - United States of America (386) 462-0786 F (386) 462-7087 McB_synquestlabs.com - www.synquestlabs.com 4. Emergency telephone number intergrenory number : (844) 523-4086 (3E Company - Account 10069) ECTION 2: Hazard(s) Identification 1. Classification of the substance or mixture Classification of the substance or mixture Classification (GHS-US) kin Inf. 2. H315 - Causes serious eve irritation ye Inf. 2A H319 - Causes serious eve irritation Utext of H-physicas: see section 16 2. Label elements BHS-US labeling lazard pictograms (GHS-US) : Warning tazard statements (GHS-US) : Warning H261 - Avoid breathing dust, mist, spray P264 - Wash skin throughly after handling P271 - Use only outdoors or in a well-venitiated area P280 - Woard breathing dust, mist, spray P264 - Wash skin throughly after handling P271 - Use only outdoors or in a well-venitiated area P280 - Waar protective gloves/protective clothing/sep protection/face protection P304-P330 - If ineyse: Rines cauciously with plenty of scap and water P304-P330 - If ineyse: Rines cauciously with water for several minutes. Remove conta lenses, if present and easy to do. Continue rinsing P304-P330 - If ineyse: Rines cauciously with water for several minutes. Remove conta lenses, if present and easy to do. Continue rinsing P304-P333 - If eve initiation rinsing and water for several minutes. Remove conta lenses, if present and easy to do. Continue rinsing P304-P333 - If eve initiation resistantion and water for several minutes. Remove conta lenses, if present and easy to do. Continue rinsing P304-P333 - If eve initiation a		5
SynQuest Laboratories, Inc. 20. Box 309 Mischua, FL 32615 - United States of America (360) 462-0783 - F (360) 462-7078 (380) 462-0783 - F (360) 462-7078 76. Second States of America (380) 462-0783 - F (360) 462-7078 76. Second States of America (380) 462-0783 - F (360) 462-7078 76. Second States of America imagency number : (844) 523-4086 (3E Company - Account 10069) SECTION 2: Hazard(s) Identification	Jse of the substance/mixture	Manufacture of substances
(a) Box 309 (a) Box 304 (a) Box 42-0783 - F (386) 452-7087 (a) Box 42-0783 - F (386) 452-7087 (a) Box 309 (a) Emergency telephone number mergency number : (844) 523-4086 (3E Company - Account 10069) EECTION 2: Hazard(s) identification 1. Classification of the substance or mixture classification (GHS-US) kin Int. 2 H315 - Causes skin initiation ye Int. 2A H315 - Causes experimation velocity Gissof (a) UI + phrases: see section 16 :: :2. Label elements HHS-US labeling :: azard pictograms (GHS-US) :: (a) UI + phrases: see section 10 :: :2. Label elements HS-US labeling :: azard pictograms (GHS-US) :: (azard statements (GHS-US) :: :2. Label elements H315 - Causes serious cyc infration H319 - Causes serious cyc infration H319 - Causes serious cyc infration H319 - Causes serious cyc infration H32 - M32 - Causes serious cyc infration <td< td=""><td>.3. Details of the supplier of the sa</td><td>fety data sheet</td></td<>	.3. Details of the supplier of the sa	fety data sheet
Emergency number : (944) 523-4086 (3E Company - Account 10069) SECTION 2: Hazard(s) identification 21.1 Classification of the substance or mixture Classification (GHS-US) Skin Int. 2 H315 - Causes skin irritation Syp Int. 2 H315 - Causes serious sep irritation STOT SE 3 H335 - May cause respiratory irritation STOT SE 3 H335 - May cause respiratory irritation Study Int Addition (GHS-US) : Stard pictograms (GHS-US) : Gignal word (GHS-US) : Hazard statements (GHS-US) : Hazard statements (GHS-US) : Yerecautionary statements (GHS-US) : Precautionary statements (GHS-US) :	2.Ο. Box 309 Alachua, FL 32615 - United States of Ameri Γ (386) 462-0788 - F (386) 462-7097 nfo@synquestlabs.com - <u>www.synquestlab</u>	
SECTION 2: Hazard(s) identification 21. Classification of the substance or mixture Classification (GHS-US) Skin Irit. 2, H315 - Causes skin irritation Eye Irit. 2A TOT SE 3 TOT SE 3 J335 - May cause respiratory irritation Full text of H-phrases: see section 16 E2. Label elements SHS-US labeling tazard pictograms (GHS-US) itazard statements (GHS-US) itazard statements (GHS-US) itazard statements (GHS-US) '''' recautionary statements (GHS-US) ''''''''''''''''''''''''''''''''''''		
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2HS-US labeling Hazard pictograms (GHS-US) Signal word (GHS-US) Figure Gisor Signal word (GHS-US) Hazard statements (GHS-US) H319 - Causes skin irritation H319 - Causes serious eye irritation H335 - May cause respiratory irritation H335 - May cause respiratory irritation Precautionary statements (GHS-US) 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 conta 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 eye irritation persists: Get medical advice/attention P332+P313 - If eye irritation persists: Get medical advice/attention P332+P313 - If eye irritation persists: Get medical advice/attention P362+P364 - Take off contaminated clothing and wash it before reuse P403+P203 - Store io a well-ventilated place. Keep container tightly closed P405 - Store locked up	Classification (GHS-US) Skin Irrit. 2 H315 - Causes skin irritatior Eye Irrit. 2A H319 - Causes serious eye	ו irritation
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Safety Data Sheet according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

	Other hazards				
lo addit	ional information available				
.4.	Unknown acute toxicity (GHS US)				
ot appl	licable				
ECTI	ON 3: Composition/informatio	n on in	gredients		
.1.	Substance				
Substan	ce type	: Mono	o-constituent		
Name			Product identifier	%	Classification (GHS-US)
Methyl 2 (Main cor	2-amino-5-iodobenzoate nstituent)		(CAS No) 77317-55-6	<= 100	Skin Irrit. 2, H315 Eye Irrit. 2A, H319 STOT SE 3, H335
ull text	of H-phrases: see section 16				
.2.	Mixture				
lot appl	licable				
ECTI	ON 4: First aid measures				
.1.	Description of first aid measures				
irst-aid	measures general		se of accident or if you feel unwell, seek a possible). Move the affected personnel		
irst-aid	measures after inhalation		ove person to fresh air and keep comforta ration. Get medical advice/attention.	able for breathin	g. If not breathing, give artificial
	measures after skin contact		n with plenty of soap and water. Get med		
	measures after eye contact	prese	ediately flush eyes thoroughly with water the and easy to do. Continue rinsing. Get	medical advice/	attention.
irst-aid	measures after ingestion	: Do N mout	OT induce vomiting. Never give anything h out with water. Get medical advice/atte	by mouth to an ntion.	unconscious person. Rinse
.2.	Most important symptoms and effect	ts, both	acute and delayed		
ympton	ns/injuries	• The r	nost important known symptoms and effe		
			and/or in section 11.	ects are describe	ed in the labelling (see section
.3.	Indication of any immediate medical	2.2) a	and/or in section 11.	cts are describe	ed in the labelling (see section
		2.2) a	and/or in section 11.	cts are describe	ed in the labelling (see section
reat syr	Indication of any immediate medica	2.2) a	and/or in section 11.	ects are describe	ed in the labelling (see section
reat syr	Indication of any immediate medical mptomatically.	2.2) a	and/or in section 11.	ects are describe	ed in the labelling (see section
reat syr SECTI .1.	Indication of any immediate medical mptomatically.	2.2) a attentio	and/or in section 11.		
ECTI .1. Guitable	Indication of any immediate medical mptomatically. ON 5: Firefighting measures Extinguishing media	2.2) a attentio	and/or in section 11. n and special treatment needed nol resistant foam. Carbon dioxide. Dry po opriate for surrounding fire.		
ECTI .1. uitable .2.	Indication of any immediate medical mptomatically. ON 5: Firefighting measures Extinguishing media extinguishing media Special hazards arising from the sul	2.2) a attentio	and/or in section 11. n and special treatment needed nol resistant foam. Carbon dioxide. Dry po opriate for surrounding fire.	owder. Water sp	ray. Use extinguishing media
ECTI .1. suitable .2.	Indication of any immediate medical mptomatically. ON 5: Firefighting measures Extinguishing media extinguishing media Special hazards arising from the sul	2.2) a attentio	and/or in section 11. n and special treatment needed nol resistant foam. Carbon dioxide. Dry po opriate for surrounding fire. or mixture	owder. Water sp	ray. Use extinguishing media
ECTI .1. .1. .1. .1. .1. .1. .1. .1	Indication of any immediate medical mptomatically. ON 5: Firefighting measures Extinguishing media extinguishing media Special hazards arising from the sub ard	2.2) a attentio : Alcoh appro ostance : Then	and/or in section 11. n and special treatment needed nol resistant foam. Carbon dioxide. Dry po opriate for surrounding fire. or mixture	owder. Water sp	ray. Use extinguishing media
5.1. Suitable 5.2. Fire haza	Indication of any immediate medical mptomatically. ON 5: Firefighting measures Extinguishing media extinguishing media Special hazards arising from the sub ard Advice for firefighters	2.2) a attentio : Alcor appro ostance : Therr : In ca : Wear	and/or in section 11. n and special treatment needed nol resistant foam. Carbon dioxide. Dry po opriate for surrounding fire. or mixture mal decomposition generates: Carbon ox	owder. Water sp ides. Hydrogen n combination w	ray. Use extinguishing media iodide. Nitrogen oxides.
reat syr ECTI .1. Suitable .2. ire haza .3. irefighti Protectio	Indication of any immediate medical mptomatically. ON 5: Firefighting measures Extinguishing media extinguishing media Special hazards arising from the sub ard Advice for firefighters ing instructions on during firefighting ON 6: Accidental release meas	2.2) a attentio : Alcoh appro ostance : Therr : In ca : Wear appa sures	and/or in section 11. In and special treatment needed nol resistant foam. Carbon dioxide. Dry per opriate for surrounding fire. or mixture mal decomposition generates: Carbon ox se of fire: Evacuate area. gas tight chemically protective clothing i ratus. For further information refer to sec	owder. Water sp ides. Hydrogen n combination w	ray. Use extinguishing media iodide. Nitrogen oxides.
ECTI 1. uitable 2. ire haza 3. irefighti rotectio	Indication of any immediate medical mptomatically. ON 5: Firefighting measures Extinguishing media extinguishing media Special hazards arising from the sul ard Advice for firefighters ing instructions on during firefighting ON 6: Accidental release meas Personal precautions, protective eq	2.2) a attentio : Alcof appro ostance : Therr : In ca : Wear appa Sures uipment	and/or in section 11. In and special treatment needed nol resistant foam. Carbon dioxide. Dry po- poriate for surrounding fire. or mixture mal decomposition generates: Carbon ox se of fire: Evacuate area. gas tight chemically protective clothing i ratus. For further information refer to sec and emergency procedures	owder. Water sp ides. Hydrogen n combination w ion 8: "Exposure	ray. Use extinguishing media iodide. Nitrogen oxides. // with self contained breathing e controls/personal protection".
reat syn ECTI .1. uitable .2. ire haza .3. irefighti rotectio ECTI .1.	Indication of any immediate medical mptomatically. ON 5: Firefighting measures Extinguishing media extinguishing media Special hazards arising from the sul ard Advice for firefighters ing instructions on during firefighting ON 6: Accidental release meas	2.2) a attentio : Alcof appro ostance : Therr : In ca : Wear appa Sures uipment	and/or in section 11. In and special treatment needed nol resistant foam. Carbon dioxide. Dry per opriate for surrounding fire. or mixture mal decomposition generates: Carbon ox se of fire: Evacuate area. gas tight chemically protective clothing i ratus. For further information refer to sec	owder. Water sp ides. Hydrogen n combination w ion 8: "Exposure	ray. Use extinguishing media iodide. Nitrogen oxides. // with self contained breathing e controls/personal protection".
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Avoid release to the environment. Notify authorities if product enters sewers or public waters.

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5.3. Methods and material for 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 sections				
No additional information available				
SECTION 7: Handling and stora	nge			
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, in	ncluding any incompatibilities			
Technical measures	: Comply with applicable regulations.			
Storage conditions	: Keep container closed when not in use. Moisture sensitive. Keep contents under inert gas. Protect from sunlight.			
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.

Other information	: Safety shoes. 29 CFR 1910.136: Foo	t Protection.
SECTION 9: Physical and chemica	l properties	
9.1. Information on basic physical and	I chemical properties	
Physical state	: Solid	
Color	: No data available	
Odor	: No data available	
Odor threshold	: No data available	
pH	: No data available	
Melting point	: 85 °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	: 277.0591 g/mol	
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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 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	: Not classified
Skin corrosion/irritation Serious eye damage/irritation Respiratory or skin sensitization	: Causes skin irritation. : Causes serious eye irritation. : Not classified
Germ cell mutagenicity Carcinogenicity	: Not classified : Not classified : Not classified
Reproductive toxicity Specific target organ toxicity (single exposure)	: Not classified : May cause respiratory irritation.
Specific target organ toxicity (repeated exposure)	: Not classified
Aspiration hazard	: Not classified

SECT	FION 12: Ecological information	on	
12.1.	Toxicity		
No add	litional information available		
12.2.	Persistence and degradability		
No add	litional information available		
12.3.	Bioaccumulative potential		
No add	litional information available		
12.4.	Mobility in soil		
No add	litional information available		
12.5.	Other adverse effects		
No add	litional information available		
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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 exclusion Substances Control Act (TSCA) inventory exception	ided from listing, on the United States Environmental Protection Agency Toxic for:
Methyl 2-amino-5-iodobenzoate	CAS No 77317-55-6 100%

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

Methyl 2-amino-5-iodobenzoate (77317-55-6)	
Listed on the TCSI (Taiwan Chemical Substance Inventory)	

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	: 1 - Exposure could cause irritation but only minor residual injury even if no treatment 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	: 1 Slight Hazard - Irritation or minor reversible injury possible
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.