

2,6-Dichloro-4-(trifluoromethyl)pyridine

Safety Data Sheet 3H327Z3 according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations Date of issue: 01/29/2020 Version: 1.0

SECTION 1: Identification			
1.1. Identification			
Product form	: Substance		
Substance name	: 2,6-Dichloro-4-(trifluoromethyl)pyr	idine	
CAS No	: 39890-98-7		
Product code	: 3H32-7-Z3		
Formula	: C6H2Cl2F3N		
Other means of identification	: MFCD00042246		
1.2. Relevant identified uses of the subs	tance or mixture and uses advised	against	
Use of the substance/mixture	: Laboratory chemicals Manufacture of substances Scientific research and developme	ent	
1.3. Details of the supplier of the safety	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>n</u>		
1.4. Emergency telephone number	/		
Emergency number	: (844) 523-4086 (3E Company - A	ccount 10069)	
SECTION 2: Hazard(s) identification			
2.1. Classification of the substance or m	ixture		
Classification (GHS-US)Flam. Liq. 4H227 - Combustible liquidAcute Tox. 3 (Oral)H301 - Toxic if swallowedSkin Irrit. 2H315 - Causes skin irritatEye Irrit. 2AH319 - Causes serious eySTOT SE 3H335 - May cause respiratFull text of H-phrases: see section 16	on re irritation		
2.2. Label elements			
GHS-US labeling			
Hazard pictograms (GHS-US)	GHS06 GHS07		
Signal word (GHS-US)	: Danger		
Hazard statements (GHS-US)	: H227 - Combustible liquid H301 - Toxic if swallowed H315 - Causes skin irritation H319 - Causes serious eye irritati H335 - May cause respiratory irrita		
Precautionary statements (GHS-US)	P210 - Keep away from heat/spar P261 - Avoid breathing dust/fume, P264 - Wash skin thoroughly after P270 - Do not eat, drink or smoke P271 - Use only outdoors or in a v P280 - Wear protective gloves/pro P301+P310 - If swallowed: Immed P302+P352 - If on skin: Wash with P304+P340 - If inhaled: Remove p P305+P351+P338 - If in eyes: Rir lenses, if present and easy to do. P312 - Call a POISON CENTER of	ks/open flames/hot surfaces. No smoking /gas/mist/vapors/spray · handling when using this product vell-ventilated area tective clothing/eye protection/face protection diately call a poison center/doctor/ n plenty of soap and water person to fresh air and keep comfortable for breathing use cautiously with water for several minutes. Remove contact	ıct
01/29/2020	EN (English US)	SDS ID: 3H327Z3 Page 1	1

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

	P330 - Rinse mouth 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 P370+P378 - In case of fire: Use dry sand, dry chemical or alcohol-resistant foam to extinguish P403+P233 - Store in a well-ventilated place. Keep container tightly closed P403+P235 - Store in a well-ventilated place. Keep cool P405 - Store locked up P501 - Dispose of contents/container to an approved waste disposal plant			
2.3. Other hazards				
No additional information available				
2.4. Unknown acute toxicity (GHS US	5)			
Not applicable				
SECTION 3: Composition/informa	tion on	ingredients		
3.1. Substance				
Substance type	: Mo	no-constituent		
Name		Product identifier	%	Classification (GHS-US)
2,6-Dichloro-4-(trifluoromethyl)pyridine (Main constituent)		(CAS No) 39890-98-7	<= 100	Flam. Liq. 4, H227 Acute Tox. 3 (Oral), H301 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		case of accident or if you feel unwell,		
First-aid measures after inhalation	 where possible). Move the affected personnel away from the contaminated area. Remove person to fresh air and keep comfortable for breathing. If not breathing, give artificial respiration. Get immediate medical advice/attention. 			
First-aid measures after skin contact	: Wa	: Wash with plenty of soap and water. Get immediate medical advice/attention.		
First-aid measures after eye contact	pre	: Immediately flush eyes thoroughly with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get immediate medical advice/attention.		
First-aid measures after ingestion		: 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 e	ffects, bot	th acute and delayed		
Symptoms/injuries		e most important known symptoms a e) and/or in section 11.	nd effects are desci	ibed in the labelling (see section
4.3. Indication of any immediate med	ical attent	tion and special treatment needed		
Treat symptomatically.				
SECTION 5: Firefighting measure	S			
5.1. Extinguishing media				
Suitable extinguishing media		cohol resistant foam. Carbon dioxide. propriate for surrounding fire.	Dry powder. Water	spray. Use extinguishing media
5.2. Special hazards arising from the	substanc	e or mixture		
Fire hazard		: Thermal decomposition generates: Carbon oxides. Hydrogen chloride. Hydrogen fluoride. Nitrogen oxides.		
Explosion hazard		k of explosion if heated under confin ntainers.	ement. Use water s	pray or fog for cooling exposed
5.3. Advice for firefighters				
Firefighting instructions	: In o	case of fire: Evacuate area. Fight fire	remotely due to the	e risk of explosion.
				n with self contained breathing

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

SECTION 6: Accidental release measures 61. Personal precautions, protective equipment and emergency procedures General measures : Evacuate unnecessary personnel. Ensure adequate air ventilation. Do not breathe gas, fumes, vepor or spray. 6.1.1. For non-emergency personnel : Only qualified personnel equipped with suitable protective equipment may intervene. 6.1.2. For emergency responders : On to attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure control/spersonal protection". Freedence equipment : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure control/spersonal protection". Renegency procedures : Gas/waper heavier than air. May accumulate in confined spaces, particularly at or below ground level. For containment : Stop leak if as to do so. Dike for recovery or absorb with appropriate material. Methods and material for containment and cleaning up : Take up large spills with pump or vacuum and finish with dy chemical absorbent. Use explosion-proof equipment. Take up anall spills with dy chemical absorbent. Use explosion-proof equipment. Take up anall spills with dy chemical absorbent. Use explosion-proof equipment. Take up anall spills with dy chemical absorbent. Wee optical considerations'. 8.4. Reference to other sections : Do not handle until al safety precautors have been read and understood. Ensure good verifiation of the work station. Do not breathe fumes, mist, spray, vapors. Wear personal protective equiparter. New you	SECTION 6: Accidental release mass	
General measures Evacuate unnecessary personnel. Ensure adequate air ventilation. Do not breathe gas, fumes, vapor or spray. 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". Renergency procedures : Case vapor heavier than air. May accumulate in confined spaces, particularly at or below ground level. 6.2. Environmental processions Actior desate to the environment. Notify authonties if product enters sewers or public waters. Case vapor heavier than air. May accumulate in confined spaces, particularly at or below ground level. 6.2. Environmental processions : Stop task if safe to do so. Dik for recovery or absorb with appropriate material. 6.3. Methods and material for containment and cleaning up for ortainment : Take up tage spills with pump or vaccum and finish with dy chemical absorbent. Sweep or shovel spills into appropriate container for disposal. Ventilate area. Orthe information : For disposal of solid materials or residues refer to section 13 : "Disposal considerations". 7.1. Precautions for safe handling		
6.1.1. For one-mergency presoned Emergency procedures c. Only qualified personnel equipped with suitable protective equipment. For further information refer to saction is "Exposure control/spersonal protection". 6.1.2. For emergency responders D on tatempt to take action without suitable protective equipment. For further information refer to saction is "Exposure control/spersonal protection". Emergency procedures Cast/sport heavier than air. May accumulate in confined spaces, particularly at or below ground level. 6.2. Environmental precautions Avoid release to the environment. Notify authorities if product enters severs or public waters. 6.3. Methods and material for containment and cleaning up Error exolution and cleaning up For disposal of solid materials or residues refer to section 3. Supprivate container of disposal. Ventilate axia. Other information : Stop lease if a solid materials or residues refer to section 13: "Disposal considerations". 6.4. Reference to other sections No not handle until all safety precautions have been read and understood. Ensure good yenitation of the work station. Do not bread the funding the product. 7.1. Proceutions for safe handling Const handle until all safety precautions have been read and understood. Ensure good yenitation of the work station. Do not bread the funding the product. 7.2. Conditions for safe storage, including any incompatibilities Const in diverse. Technical measures : Comply with applicable regula		
Emergency procedures C Only qualified personnel equipped with suitable protective equipment may intervene. 6.1.2. For emergency responders Protective equipment C D not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection". Emergency procedures C Gasvapor heavier than air. May accumulate in confined spaces, particularly at or below ground level. 6.2. Environmental processions Avoid release to the environment. Notify authorities if product enters severs or public waters. 6.3. Methods and material for containment and cleaning up For containment S Stop leak if safe to ds so. Dike for recovery or absorb with appropriate material. Methods for cleaning up S Take up large splits with any or or accum and finish with dy chemical absorbent. Use explosion-proof equipment. Take up same splits with any chemical absorbent. Suee por shovel splits into appropriate container of disposal. Ventilate area. Other information : For disposal of solid materials or residues refer to section 13: "Disposal considerations". Na additional information available : Do not handle until all safety precautions have been read and understood. Ensure good ventilation of the work station. Do not breathe fumes, mist, spray, vapors. Wear personal protective equipment. Avaid contact with splot and eyes. Hygiene measures : Comply with applicable regulations. Storage condi	General measures	
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". Emergency procedures Gas/vapor heavier than air. May accumulate in confined spaces, particularly at or below ground level. 6.2. Environmental proceutions Casivapor heavier than air. May accumulate in confined spaces, particularly at or below ground level. 6.3. Methods and material for containment and cleaning up For containment Control formation Protection Other information Protection available Stop leak if safe to do so. Dike for recovery or absorb with appropriate material. Methods for cleaning up Casi and to do so. Dike for recovery or absorb with appropriate containeer for disposal. Ventilate area. Other information E Stop leak if safe to do so. Dike for recovery or absorb with appropriate containeer to disposal or solid materials or residues refer to section 13: "Disposal considerations". Reference to other sections No anthandle until all safety precautions have been read and understood. Ensure good ventilatin dromatino. Avaido draft banaling the product.	6.1.1. For non-emergency personnel	
Protective equipment : D not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection". Emergency procedures : Gas/vapor heavier than air. May accumulate in confined spaces, particularly at or below ground level. 6.2. Environmental proceduros Avoid release to the environment. Notify authorities if product enters sewers or public waters. 6.3. Methods and material for containment and cleaning up For containment : Stop leak if safe to do so. Dike for recovery or absorb with appropriate material. Methods for cleaning up : Take up large spills with dy urbanical absorbent. Use explosion-proof equipment. Take up small spills with dy chemical absorbent. Use explosion-proof equipment. Take up small spills with dy chemical absorbent. Use explosion-proof equipment. Take up small spills with dy chemical absorbent. Use explosion-proof equipment. Take up small spills with dy chemical absorbent. Use explosion-proof equipment. Toke up small spills with dy chemical absorbent. Use explosion-proof equipment. Avoid orelase resolutions for safe handling Section 7: Handling and storage : Do not handle until all safety precautions have been read and understood. Ensure good ventiliation of the work station. Do not breathe furnes, mist, spray, vapors. 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.	Emergency procedures	Only qualified personnel equipped with suitable protective equipment may intervene.
Tender to section 8: "Exposure controls/personal protection". Emergency procedures Cas/vapor heavier than air. May accumulate in confined spaces, particularly at or below ground level. 6.2. Environmental precautions Avoid release to the environment. Notify authontitis if product enters severs or public waters. 6.3. Methods and material for containment and cleaning up For containment : Stop leak if safe to do so. Dike for recovery or absorb with appropriate material. Methods for cleaning up : Take up large spills with dynchmical absorbent. Use explosion-proof equipment. Take up small spills with dynchmical absorbent. Use explosion-proof equipment. Take up small spills with dynchmical absorbent. Sweep or shovel spills into appropriate container for disposal. Ventical area. 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 : Do not handle until all safety precautions have been read and understood. Ensure good ventilation of the work station. Do not breathe fumes, mist, spray, vapors. Wear presonal protective equipment. Avoid contact with split and dynes. Hygiene measures : Comply with applicable regulations. Storage conditions for safe bandling : Comply with applicable regulations. Storage conditions : Keep container closed when not in use. Air sensitive. Keep contents under inert gas.	6.1.2. For emergency responders	
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 For containment : Stop leak if safe to do so. Dike for recovery or absorb with appropriate material. Methods for cleaning up : Take up large spills with pump or vacuum and finish with dry chemical absorbent. Use explosion-proof equipment. Take up small spills with dry chemical absorbent. Sweep or shovel applies into appropriate container for disposal. Ventilate area. 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 SECTION 7: Handling and storage : Do not handle until all safety precautions have been read and understood. Ensure good ventilation of the work station. Do not breath furnes, mist, spray, vapors. Wear personal protective equipment. Avoid contact with skin and eyes. Hygiene measures : Handle in accordance with good Industrial hygiene and safety product. 7.2. Conditions for safe storage, including any incompatibilities Terchnal measures : Comply with applicable regulations. Storage conditions : Reep to Section 10 on Incompatible Materials. Storage area : Store in dry, cool, well-ventilated area.	Protective equipment	
Avoid release to the environment. Notify authorities if product enters sewers or public waters. 6.3. Methods and material for containment and cleaning up For containment : Stop leak if safe to do so. Dike for recovery or absorb with appropriate material. Methods for cleaning up :: Stop leak if safe to do so. Dike for recovery or absorb with appropriate material. 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 :Do not handle until all safety precautions have been read and understood. Ensure good ventilation of the work station. Do not breathe fumes, mist, spray, vapors. Wear personal protective equipment. Avoid contact with skin and eyes. Hygiene measures :: Comply with applicable regulations. Storage conditions : Store in dry, cool, well-ventilated area. Storage area : Store in dry, cool, well-ventilated area. Storage area : Store in dry, cool, well-ventilated area. Refer to Section 10 on incompatible Materials. Eventuel area. Storage area : Store in dry, cool, well-ventilated area. Storage conditional information available : Ensure good ventillation of the work station. Emergency eye wash fount	Emergency procedures	
6.3. Methods and material for containment and cleaning up For containment : Stop leak if safe to do so. Dike for recovery or absorb with appropriate material. Methods for cleaning up : Take up large spills with gump or vacuum and finish with dry chemical absorbent. Use explosion-proof equipment. Take up small spills with dry chemical absorbent. Sweep or shovel spills into appropriate container for disposal. Venillate area. 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 : Do not handle until all safety precautions have been read and understood. Ensure good ventilation of the work station. Do not breathe fumes, mist, spray, vapors. 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 . Technical measures : Comply with applicable regulations. Storage area : Store in dry, cool, well-ventilated area. Storage area : Store in dry, cool, well-ventilated area. Storage area : Store in dry, cool	6.2. Environmental precautions	
For containment : Stop leak if safe to do so. Dike for recovery or absorb with appropriate material. Methods for cleaning up : Take up large spills with purp or vacuum and finish with dry chemical absorbent. Use explosion-proof equipment. Take up small spills with dry chemical absorbent. Sueep or shovel spills into appropriate container for disposal. Ventilate area. 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 For disposal of solid materials or residues refer to section 13 : 'Disposal considerations''. 7.1. 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 breather times, mist, spray, vapors. 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 incompatibile regulations. Storage conditions : Keep container closed when not in use. Air sensitive. Keep contents under inert gas. Incompatible materials : Refer to Section 10 on Incompatible Materials. Storage area : Store in dry, cool, well-ventilated area. SECTION 8: Exposure controls/personal protect	Avoid release to the environment. Notify authorities	s if product enters sewers or public waters.
Methods for cleaning up : Take up large spills with pump or vacuum and finish with dry chemical absorbent. Use explosion-proof equipment. Take up small spills with dry chemical absorbent. Sweep or shovel spills into appropriate container for disposal. Ventilate area. 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 fumes, mist, spray, vapors. Wear personal protective equipment. Avoid contact with skin and eyes. Hygiene measures : Handle in accordance with good industrial hygiene and safety procedures. Do not ead, think or smoke when using this product. Always wash hands after handling the product. 7.2. Conditions for safe storage, including any incompatibilities Technical measures : Comply with applicable regulations. Storage area : Store in dry, cool, well-ventilated area. SECTION 8: Exposure controls/personal protection 8.1. Control parameters No additional information available : Ensure good ventilation of the work station. Emergency eye wash fountains and safety showers should be available in the timediate vicinity of any potential exposure.	6.3. Methods and material for containmen	t and cleaning up
explosion-proof equipment. Take up small spills with dry chemical absorbent. Sweep or shovel spills into appropriate container for disposal. Ventilate area. 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 breather turnes, mist, spray, vapors. 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 Technical measures : Comply with applicable regulations. Storage conditions : Keep container closed when not in use. Air sensitive. Keep contents under inert gas. Incompatible materials : Refer to Section 10 on Incompatible Materials. Storage condition available : Store in dry, cool, well-ventilated area. Storage area : Store in dry, cool, well-ventilated area. Section 10 : Ensure good ventilation of the work station. Emergency eye wash fountains and safety showers s	For containment	Stop leak if safe to do so. Dike for recovery or absorb with appropriate material.
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 fumes, mist, spray, vapors. 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 Technical measures : Comply with applicable regulations. Storage conditions : Keep container closed when not in use. Air sensitive. Keep contents under inert gas. Incompatible materials : Refer to Section 10 on incompatible Materials. Storage area : Store in dry, cool, well-ventilated area. SECTION 8: Exposure controls/personal protection B1. Ropropriate 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. B1. Control parameters : Chemical goggles or	Methods for cleaning up	explosion-proof equipment. Take up small spills with dry chemical absorbent. Sweep or shovel
No additional information available SECTION 7: Handling and storage 7.1. Precautions for safe handling Precautions for safe storage, including any incompatibilities Technical measures Conditions for safe storage, including any incompatibilities Technical measures Comply with applicable regulations. Storage conditions Storage conditions Storage area Storage area Storage area Storage area Storage area Storage controls/personal protection 8.1. Control parameters No additional information available 8.2. Exposure controls Refer to Section of the work station. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. No additional information available 8.2. Exposure controls Appropriate engineering controls : Ensure go	Other information	For disposal of solid materials or residues refer to section 13 : "Disposal considerations".
SECTION 7: Handling and storage 7.1. Precautions for safe handling Precautions for safe storage, including any incompatibilities Technical measures : Comply with applicable regulations. Storage conditions : Keep container closed when not in use. Air sensitive. Keep contents under inert gas. Incompatible materials : Refer to Section 10 on Incompatible Materials. Storage conditions : Store in dry, cool, well-ventilated area. SECTION 8: Exposure controls/personal protection 8.1. Control parameters No additional information available : 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. Skin and body protection : Wear suitable protective clothing. Respiratory protection : Wear suitable protective clothing. Respiratory protection : In case of inadequate ventiliation wear respiratory p	6.4. Reference to other sections	
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 fumes, mist, spray, vapors. 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 Technical measures : Comply with applicable regulations. Storage conditions : Keep container closed when not in use. Air sensitive. Keep contents under inert gas. Incompatible materials : Refer to Section 10 on Incompatible Materials. Storage conditional information available : Store in dry, cool, well-ventilated area. SECTION 8: Exposure controls/personal protection : 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. Appropriate engineering controls : Protective gloves. 29 CFR 1910.138: Hand Protection. Eye protection : Chemical goggles or safety glasses. Face shield. 29 CFR 1910.134: Respiratory Protection. Skin and body protection : Mear suitable protective clothing. Respiratory protection : In case of inadequate ventilation wea	No additional information available	
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 fumes, mist, spray, vapors. 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 Technical measures : Comply with applicable regulations. Storage conditions : Keep container closed when not in use. Air sensitive. Keep contents under inert gas. Incompatible materials : Store in dry, cool, well-ventilated area. SECTION 8: Exposure controls/personal protection 8.1. 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. Skin and body 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 : Wear suitable protective clothing. Respiratory protection : In case of inadequate ventiliation wear respiratory protection. 29 CFR	SECTION 7: Handling and storage	
wentilation of the work station. Do not breathe fumes, mist, spray, vapors. 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 Technical measures : Comply with applicable regulations. Storage conditions : Keep container closed when not in use. Air sensitive. Keep contents under inert gas. 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. No additional information available : 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 1910.134: Respiratory Protection. Skin and body protection : Wear suitable protective clothing. Respiratory protection : Near solitable ventilation wear respiratory protection. 29 CFR 1910.134: Respiratory Protection.	7.1. Precautions for safe handling	
7.2. Conditions for safe storage, including any incompatibilities Technical measures : Comply with applicable regulations. Storage conditions : Keep container closed when not in use. Air sensitive. Keep contents under inert gas. 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.	Precautions for safe handling	ventilation of the work station. Do not breathe fumes, mist, spray, vapors. Wear personal
Technical measures: Comply with applicable regulations.Storage conditions: Keep container closed when not in use. Air sensitive. Keep contents under inert gas.Incompatible materials: Refer to Section 10 on Incompatible Materials.Storage area: Store in dry, cool, well-ventilated area.SECTION 8: Exposure controls/personal protection8.1. Control parametersNo additional information availableSecure controlsEnsure 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.	Hygiene measures	
Storage conditions : Keep container closed when not in use. Air sensitive. Keep contents under inert gas. 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.	7.2. Conditions for safe storage, including	any incompatibilities
Incompatible materials: Refer to Section 10 on Incompatible Materials.Storage area: Store in dry, cool, well-ventilated area.SECTION 8: Exposure controls/personal protection8.1.Control parametersNo additional information available8.2.Exposure controlsAppropriate 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.	Technical measures	Comply with applicable regulations.
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.	Storage conditions	Keep container closed when not in use. Air sensitive. Keep contents under inert gas.
SECTION 8: Exposure controls/personal 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 : 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.	Incompatible materials	Refer to Section 10 on Incompatible Materials.
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.	Storage area	Store in dry, cool, well-ventilated area.
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.	SECTION 8: Exposure controls/perso	nal protection
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.	8.1. Control parameters	
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.	No additional information available	
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.	8.2. Exposure controls	
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.	Appropriate engineering controls	
Skin and body protection: Wear suitable protective clothing.Respiratory protection: In case of inadequate ventilation wear respiratory protection. 29 CFR 1910.134: Respiratory Protection.	Hand protection	Protective gloves. 29 CFR 1910.138: Hand Protection.
Respiratory protection : In case of inadequate ventilation wear respiratory protection. 29 CFR 1910.134: Respiratory Protection.	Eye protection	Chemical goggles or safety glasses. Face shield. 29 CFR 1910.133: Eye and Face Protection.
Protection.	Skin and body protection	Wear suitable protective clothing.
		In case of inadequate ventilation wear respiratory protection. 29 CFR 1910.134: Respiratory
	Other information	Safety shoes. 29 CFR 1910.136: Foot Protection.

SECTION 9: Physical ar	SECTION 9: Physical and chemical properties			
9.1. Information on basic	Information on basic physical and chemical properties			
Physical state	: Liquid			
Color	: No data available			
Odor	: No data available			
Odor threshold	: No data available			
01/29/2020	EN (English US)	SDS ID: 3H327Z3	3/7	

Safety Data Sheet

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

according to Federal Register / Vol. 77, No. 58 / Monda	ay, March 26, 2012 / Rules and Regulations
рН	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: 56 - 57 °C (@ 10 mm Hg)
Flash point	: 85 °C
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
Specific gravity / density	: 1.505 g/ml
Molecular mass	: 215.988 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	
Refractive index	: 1.4731
SECTION 10: Stability and reactivity	ty .
10.1. Reactivity	
No additional information available	
10.2. Chemical stability	
The product is stable at normal handling and s	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 produc	ts
Linder normal conditions of storage and use h	

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 Information on toxicological effects 11.1.

Acute toxicity

: Oral: Toxic if swallowed.

2,6-Dichloro-4-(trifluoromethyl)pyridine (39890-98-7)			
ATE US (oral)	100.000 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		
01/29/2020	EN (English US)	SDS ID: 3H32773	4/7

Safety Data Sheet

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

Specific target organ toxicity (single exposure)	: May cause respiratory irritation.
Specific target organ toxicity (repeated exposure)	: Not classified
Aspiration hazard	: 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

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

Transport document description

UN-No.(DOT) Proper Shipping Name (DOT) Transport hazard class(es) (DOT) Hazard labels (DOT)

Packing group (DOT)

- DOT Packaging Non Bulk (49 CFR 173.xxx)
- DOT Packaging Bulk (49 CFR 173.xxx)
- DOT Symbols

DOT Special Provisions (49 CFR 172.102)

- : UN2810 Toxic, liquids, organic, n.o.s., 6.1, III
- : UN2810
- : Toxic, liquids, organic, n.o.s.
- : 6.1 Class 6.1 Poisonous materials 49 CFR 173.132

: 6.1 - Poison



- : III Minor Danger
- : 203

```
: 241
```

: G - Identifies PSN requiring a technical name

: IB3 - Authorized IBCs: Metal (31A, 31B and 31N); Rigid plastics (31H1 and 31H2); Composite (31HZ1 and 31HA2, 31HB2, 31HN2, 31HD2 and 31HH2). Additional Requirement: Only liquids with a vapor pressure less than or equal to 110 kPa at 50 C (1.1 bar at 122 F), or 130 kPa at 55 C (1.3 bar at 131 F) are authorized, except for UN2672 (also see Special Provision IP8 in Table 2 for UN2672).

T7 - 4 178.274(d)(2) Normal..... 178.275(d)(3)

TP1 - The maximum degree of filling must not exceed the degree of filling determined by the following: Degree of filling = 97 / 1 + a (tr - tf) Where: tr is the maximum mean bulk temperature during transport, and tf is the temperature in degrees celsius of the liquid during filling. TP28 - A portable tank having a minimum test pressure of 2.65 bar (265 kPa) may be used provided the calculated test pressure is 2.65 bar or less based on the MAWP of the hazardous material, as defined in 178.275 of this subchapter, where the test pressure is 1.5 times the MAWP.

DOT Packaging Exceptions (49 CFR 173.xxx) : 153

Safety Data Sheet

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

DOT Quantity Limitations Passenger aircraft/rail (49 CFR 173.27)	: 60 L
DOT Quantity Limitations Cargo aircraft only (49 CFR 175.75)	: 220 L
DOT Vessel Stowage Location	: A - The material may be stowed "on deck" or "under deck" on a cargo vessel and on a passenger vessel.
DOT Vessel Stowage Other	: 40 - Stow "clear of living quarters"
Other information	: No supplementary information available.
TDG	
No additional information available	
Transport by sea	
UN-No. (IMDG)	: 2810
Proper Shipping Name (IMDG)	: TOXIC LIQUID, ORGANIC, N.O.S.
Class (IMDG)	: 6.1 - Toxic substances
Packing group (IMDG)	: III - substances presenting low danger
Air transport	
UN-No. (IATA)	: 2810
Proper Shipping Name (IATA)	: Toxic liquid, organic, n.o.s.
Class (IATA)	: 6.1 - Toxic Substances
Packing group (IATA)	: III - Minor Danger
SECTION 15: Regulatory information	h

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:

2,6-Dichloro-4-(trifluoromethyl)pyridine CAS No 39890-98-7 100%	Substances Control Act (13CA) inventory exception.		
	2,6-Dichloro-4-(trifluoromethyl)pyridine	CAS No 30800-08-7	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 tex	t of H-phrases:	
	Acute Tox. 3 (Oral)	Acute toxicity (oral) Category 3
	Eye Irrit. 2A	Serious eye damage/eye irritation Category 2A
	Flam. Liq. 4	Flammable liquids Category 4
	Skin Irrit. 2	Skin corrosion/irritation Category 2
	STOT SE 3	Specific target organ toxicity (single exposure) Category 3
	H227	Combustible liquid
	H301	Toxic if swallowed
	H315	Causes skin irritation
	H319	Causes serious eye irritation
	H335	May cause respiratory irritation
NFPA 1	health hazard fire hazard reactivity	 3 - Short exposure could cause serious temporary or residual injury even though prompt medical attention was given. 2 - Must be moderately heated or exposed to relatively high temperature before ignition can occur. 0 - Normally stable, even under fire exposure conditions, and are not reactive with water.
	II Rating	
Health		 3 Serious Hazard - Major injury likely unless prompt action is taken and medical treatment is given * - Chronic (long-term) health effects may result from repeated overexposure
		2 Moderate Hazard - Materials which must be moderately heated or exposed to high ambient temperatures before ignition will occur. Includes liquids having a flash point at or above 100 F but below 200 F. (Classes II & IIIA)
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.