

Safety Data Sheet 76713X3 according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations Date of issue: 12/28/2020 Version: 1.0

SECTION 1: Identification			
1.1. Identification			
Product form	: Substance		
Substance name	: 2-Aminophenylsulfur pentafluoride		
CAS No	: 1246998-10-6		
Product code	: 7671-3-X3		
Formula	: C6H6F5NS		
Synonyms	: 2-(Pentafluorothio)aniline; 2-(Penta	afluorosulfanyl)aniline	
Other means of identification	: MFCD21362226		
1.2. Relevant identified uses of the subst	ance or mixture and uses advised	against	
Use of the substance/mixture	: Laboratory chemicals Manufacture of substances Scientific research and developme	nt	
1.3. Details of the supplier of the safety d	ata 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			
1.4. Emergency telephone number			
Emergency number	: (844) 523-4086 (3E Company - Ac	count 10069)	
SECTION 2: Hazard(s) identification			
2.1. Classification of the substance or mi	vturo.		
	xture		
Classification (GHS-US) Acute Tox. 3 (Oral) H301 - Toxic if swalld			
Acute Tox. 4 (Dermal)H312 - Harmful in colAcute Tox. 4 (Inhalation)H332 - Harmful if inhomoreSkin Irrit. 2H315 - Causes skin iEye Irrit. 2AH319 - Causes seriorSTOT SE 3H335 - May cause reFull text of H-phrases: see section 16	aled rritation us eye irritation		
2.2. Label elements			
GHS-US labeling			
Hazard pictograms (GHS-US)	: GHS06 GHS07		
Signal word (GHS-US)	: Danger		
Hazard statements (GHS-US)	: H301 - Toxic if swallowed H312+H332 - Harmful in contact v H315 - Causes skin irritation H319 - Causes serious eye irritatio H335 - May cause respiratory irrita	n	
Precautionary statements (GHS-US)	: P261 - Avoid breathing dust, mist, P264 - Wash skin thoroughly after P270 - Do not eat, drink or smoke P271 - Use only outdoors or in a w 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: Rin lenses, if present and easy to do. 0 P312 - Call a POISON CENTER of	spray handling when using this product ell-ventilated area ective clothing/eye protection/face protection iately call a poison center/doctor/ plenty of soap and water erson to fresh air and keep comfortable for breathi se cautiously with water for several minutes. Remo	ove contact
01/21/2021	EN (English US)	SDS ID: 76713X3	Page 1

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

	P33 P33 P33 P36 P40 P40	<ol> <li>Specific treatment (see supplen D - Rinse mouth</li> <li>P313 - If skin irritation occurs: G</li> <li>P4P313 - If eye irritation persists: C</li> <li>P4P364 - Take off contaminated cl</li> <li>P4P333 - Store in a well-ventilated</li> <li>Store locked up</li> <li>Dispose of contents/container to</li> </ol>	et medical Set medical othing and place. Kee	advice/atter advice/atte wash it befo p container	ntion ntion ore reuse tightly closed
2.3. Other hazards					
No additional information available					
2.4. Unknown acute toxicity (GHS US)					
Not applicable					
SECTION 3: Composition/informat	ion on iı	ngredients			
3.1. Substance					
Substance type	: Mon	o-constituent			
Name		Product identifier	%		Classification (GHS-US)
2-Aminophenylsulfur pentafluoride (Main constituent)		(CAS No) 1246998-10-6	<=	100	Acute Tox. 3 (Oral), H301 Acute Tox. 4 (Dermal), H312 Acute Tox. 4 (Inhalation), H332 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	whe	ase of accident or if you feel unwell re possible). Move the affected per	sonnel awa	ay from the	contaminated area.
First-aid measures after inhalation	resp	nove person to fresh air and keep of iration. Get immediate medical adv	vice/attentic	on.	
First-aid measures after skin contact First-aid measures after eye contact		h with plenty of soap and water. G ediately flush eyes thoroughly with			
First-aid measures after ingestion	pres	ent and easy to do. Continue rinsir NOT induce vomiting. Never give a	ng. Get imn	nediate med	lical advice/attention.
-	mou	th out with water. Get immediate m			
4.2. Most important symptoms and ef	,				
Symptoms/injuries		most important known symptoms a and/or in section 11.	and effects	are describ	ed in the labelling (see section
<b>4.3.</b> Indication of any immediate medi Treat symptomatically.	cal attentio	on and special treatment needed			
SECTION 5: Firefighting measures					
5.1. Extinguishing media					
Suitable extinguishing media		hol resistant foam. Carbon dioxide opriate for surrounding fire.	. Dry powd	er. Water sp	pray. Use extinguishing media
5.2. Special hazards arising from the	ubstance	or mixture			
Fire hazard	: Thei oxid	mal decomposition generates: Car es.	bon oxides	. Hydrogen	fluoride. Nitrogen oxides. Sulfur
5.3. Advice for firefighters					
Firefighting instructions	: In ca	ase of fire: Evacuate area.			
Protection during firefighting		r gas tight chemically protective clearatus. For further information refer			
SECTION 6: Accidental release me	asures				
6.1. Personal precautions, protective	equipmen	t and emergency procedures			
General measures	: Eva	cuate unnecessary personnel. Ens	ure adequa	ite air ventila	ation. Do not breathe dust.

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

6.1.1. For non-emergency personn	nel
Emergency procedures	: Only qualified personnel equipped with suitable protective equipment may intervene.
6.1.2. For emergency responders	
Protective equipment	: Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".
6.2. Environmental precautions	
Avoid release to the environment. Notify	v authorities if product enters sewers or public waters.
6.3. Methods and material for co	Intainment 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 sto	7200
7.1. Precautions for safe handlin	
	·
Precautions for safe handling	Do not handle until all safety precautions have been read and understood. Ensure good ventilation of the work station. Do not breathe dust, mist, spray. Wear personal protective equipment. Avoid contact with skin and eyes.
Hygiene measures	: Handle in accordance with good industrial hygiene and safety procedures. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.
7.2. Conditions for safe storage,	, including any incompatibilities
Technical measures	: Comply with applicable regulations.
Storage conditions	: Keep container closed when not in use.
Incompatible materials	: Refer to Section 10 on Incompatible Materials.
Storage temperature	: 2 - 8 °C Use explosion proof refrigerator
Storage area	: Store in dry, well-ventilated area.

#### SECTION 8: Exposure controls/personal protection

#### 8.1. **Control parameters**

No additional information available

8.2.	Exposure controls		
Approp	riate engineering controls	Ensure good ventilation of the work station. Emergency eye wash fountains and safety show should be available in the immediate vicinity of any potential exposure.	vers
Hand p	rotection	Protective gloves. 29 CFR 1910.138: Hand Protection.	
Eye pro	otection	Chemical goggles or safety glasses. Face shield. 29 CFR 1910.133: Eye and Face Protection	on.
Skin ar	d body protection	Wear suitable protective clothing.	
Respira	atory protection	In case of inadequate ventilation wear respiratory protection. 29 CFR 1910.134: Respiratory Protection.	,
Other in	nformation	Safety shoes. 29 CFR 1910.136: Foot Protection.	

SECTION 9: Physical and chemical properties				
9.1. Information on basic physical and	chemical properties			
Physical state	: Solid			
Color	: No data available			
Odor	: No data available			
Odor threshold	: No data available			
рН	: No data available			
Melting point	: 28.8 - 30.5 °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			

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

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	: 219.18 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 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: Toxic if swallowed. Dermal: Harmful in contact with skin. Inhalation: Harmful if inhaled.
Skin corrosion/irritation	: Causes skin irritation.
Serious eye damage/irritation	: Causes serious eye irritation.
Respiratory or skin sensitization	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified
Specific target organ toxicity (single exposure)	: May cause respiratory irritation.
Specific target organ toxicity (repeated exposure)	: Not classified
Aspiration hazard	: Not classified

SECTIO	DN 12: Ecological information
12.1.	Toxicity
No additi	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	No additional information available				
no ada					
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	tional information available				

13.1. Waste treatment methods	
Waste treatment methods Waste disposal recommendations Additional information	<ul> <li>Remove to an authorized incinerator equipped with an afterburner and a flue gas scrubber.</li> <li>Dispose of contents/container in accordance with licensed collector's sorting instructions.</li> <li>Recycle the material as far as possible.</li> </ul>
SECTION 14: Transport information	
Department of Transportation (DOT) In accordance with DOT Transport document description	: UN2811 Toxic solids, organic, n.o.s., 6.1, III
	•
UN-No.(DOT)	: UN2811
Proper Shipping Name (DOT)	: Toxic solids, organic, n.o.s.
Transport hazard class(es) (DOT)	: 6.1 - Class 6.1 - Poisonous materials 49 CFR 173.132
Hazard labels (DOT)	: 6.1 - Poison
Packing group (DOT)	: III - Minor Danger
DOT Packaging Non Bulk (49 CFR 173.xxx)	: 213
DOT Packaging Bulk (49 CFR 173.xxx)	: 240
DOT Symbols	: G - Identifies PSN requiring a technical name
DOT Special Provisions (49 CFR 172.102)	<ul> <li>IB8 - Authorized IBCs: Metal (11A, 11B, 11N, 21A, 21B, 21N, 31A, 31B and 31N); Rigid plastics (11H1, 11H2, 21H1, 21H2, 31H1 and 31H2); Composite (11HZ1, 11HZ2, 21HZ1, 21HZ2, 31HZ1 and 31HZ2); Fiberboard (11G); Wooden (11C, 11D and 11F); Flexible (13H1, 13H2, 13H3, 13H4, 13H5, 13L1, 13L2, 13L3, 13L4, 13M1 or 13M2).</li> <li>IP3 - Flexible IBCs must be sift-proof and water-resistant or must be fitted with a sift-proof and water-resistant liner.</li> <li>T1 - 1.5 178.274(d)(2) Normal</li></ul>
DOT Packaging Exceptions (49 CFR 173.xxx)	: 153
DOT Quantity Limitations Passenger aircraft/rail (49 CFR 173.27)	: 100 kg
DOT Quantity Limitations Cargo aircraft only (49 CFR 175.75)	: 200 kg
DOT Vessel Stowage Location	: A - The material may be stowed "on deck" or "under deck" on a cargo vessel and on a passenger vessel.
01/21/2021	EN (English US) SDS ID: 76713X3 5/7

Safety Data Sheet

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

All transport	
UN-No. (IATA)	: 2811
Proper Shipping Name (IATA)	: Toxic solid, organic, n.o.s.
Class (IATA)	: 6.1 - Toxic Substances
Packing group (IATA)	: III - Minor Danger

## 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-Aminophenylsulfur pentafluoride

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.

CAS No 1246998-10-6

#### 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**

Full text of H-phrases:

Acute Tox. 3 (Oral)	Acute toxicity (oral) Category 3
Acute Tox. 4 (Dermal)	Acute toxicity (dermal) Category 4
Acute Tox. 4 (Inhalation)	Acute toxicity (inhalation) Category 4
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
H301	Toxic if swallowed
H312	Harmful in contact with skin
H315	Causes skin irritation
H319	Causes serious eye irritation
H332	Harmful if inhaled
H335	May cause respiratory irritation

100%

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

NFPA health hazard	: 3 - Short exposure could cause serious temporary or residual injury even though prompt medical attention was given.
NFPA fire hazard	: 1 - Must be preheated before ignition can occur.
NFPA reactivity	: 0 - Normally stable, even under fire exposure conditions, and are not reactive with water.
HMIS III Rating	
Health	: 3 Serious Hazard - Major injury likely unless prompt action is taken and medical treatment is given
Flammability	<ul> <li>1 Slight Hazard - Materials that must be preheated before ignition will occur. Includes liquids, solids and semi solids having a flash point above 200 F. (Class IIIB)</li> </ul>
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.