

4-[(2,2,3,3-Tetrafluoropropyl)amino]phenol Safety Data Sheet 465638A according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Date of issue: 01/04/2017 Version: 1.0

SECTION 1: Identification	
1.1. Identification	• · · ·
Product form	: Substance
Substance name	: 4-[(2,2,3,3-Tetrafluoropropyl)amino]phenol
CAS No	: 1365808-22-5
Product code	: 4656-3-8A
Formula	: C9H9F4NO
Other means of identification	: MFCD22124035
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 development
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 - Account 10069)
SECTION 2: Hazard(s) identification	
2.1. Classification of the substance or m	ixture
Classification (GHS-US)	
Skin Irrit. 2H315 - Causes skin irritationEye Irrit. 2AH319 - Causes serious eye irritatSTOT SE 3H335 - May cause respiratory irriFull text of H-phrases: see section 16	
2.2. Label elements	
GHS-US labeling	
Hazard pictograms (GHS-US)	GHS07
Signal word (GHS-US)	: Warning
Hazard statements (GHS-US)	: H315 - Causes skin irritation H319 - Causes serious eye irritation H335 - May cause respiratory irritation
Precautionary statements (GHS-US)	 P261 - Avoid breathing fumes, mist, spray, vapors 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 contact 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 skin irritation occurs: Get medical advice/attention P362+P364 - Take off contaminated clothing and wash it before reuse P403+P233 - Store in a well-ventilated place. Keep container tightly closed P405 - Store locked up P501 - Dispose of contents/container to an approved waste disposal plant

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2.3. Other hazards				
lo additional information available				
.4. Unknown acute toxicity (GHS US)				
lot applicable				
ECTION 3: Composition/information	on on ingredients			
1. Substance				
ubstance type	: Mono-constituent			
Name	Product identifier	%	Classification (GHS-US)	
4-[(2,2,3,3-Tetrafluoropropyl)amino]phenol (Main constituent)	(CAS No) 1365808-22-5	<= 100	Skin Irrit. 2, H315 Eye Irrit. 2A, H319 STOT SE 3, H335	
ull text of H-phrases: see section 16				
2. Mixture				
ot applicable				
ECTION 4: First aid measures				
1. Description of first aid measures				
rst-aid measures general	. ,	ected personnel away from the	contaminated area.	
irst-aid measures after inhalation	: Remove person to fresh air an respiration. Get medical advice	e/attention.	0 0,0	
irst-aid measures after skin contact	: Wash with plenty of soap and			
rst-aid measures after eye contact	present and easy to do. Contir	ue rinsing. Get medical advice		
rst-aid measures after ingestion	: Do NOT induce vomiting. Neve mouth out with water. Get med		i unconscious person. Rinse	
I.2. Most important symptoms and effects, both acute and delayed				
Symptoms/injuries : The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11.				
.3. Indication of any immediate medic	al attention and special treatment	needed		
reat symptomatically.				
ECTION 5: Firefighting measures				
1. Extinguishing media				
uitable extinguishing media	: Alcohol resistant foam. Carbor appropriate for surrounding fire		oray. Use extinguishing media	
2. Special hazards arising from the s	ubstance or mixture			
ire hazard	: Thermal decomposition generation	ates: Carbon oxides. Hydrogen	fluoride. Nitrogen oxides.	
xplosion hazard	: Risk of explosion if heated und containers.	ler confinement. Use water spr	ay or fog for cooling exposed	
3. Advice for firefighters				
refighting instructions	: In case of fire: Evacuate area.			
rotection during firefighting : Wear gas tight chemically protective clothing in combination with self contained breathing apparatus. For further information refer to section 8: "Exposure controls/personal protection".				
ECTION 6: Accidental release mea				
6.1. Personal precautions, protective equipment and emergency procedures General measures : Evacuate unnecessary personnel. Ensure adequate air ventilation. Do not breathe gas, fumes,				
eneral measures	vapor or spray.	nei. Ensure adequate air ventii	ation. Do not breathe gas, tumes,	
1.1. For non-emergency personnel				
mergency procedures	: Only qualified personnel equip	ped with suitable protective eq	uipment may intervene.	
1.2. For emergency responders				
rotective equipment	: Do not attempt to take action v	vithout suitable protective equir	oment. For further information	
·····	refer to section 8: "Exposure c			
mergency procedures	: Gas/vapor heavier than air. Ma level.	ay accumulate in confined spac	es, particularly at or below ground	
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6.2. Environmental precautions	3			
Avoid release to the environment. Notify authorities if product enters sewers or public waters.				
6.3. Methods and material for c	ontainment 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 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 section	S			
No additional information available				
SECTION 7: Handling and sto	brage			
7.1. Precautions for safe handl				
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	e, 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.			
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.
Other information	: Safety shoes. 29 CFR 1910.136: Foot Protection.

SECTION 9: Physical and chemica	l properties		
9.1. Information on basic physical and	d chemical properties		
Physical state	: Liquid		
Color	: No data available		
Odor	: No data available		
Odor threshold	: No data available		
рН	: No data available		
Melting point	: No data available		
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		
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Relative density	: No data available
Relative vapor density at 20 °C	: No data available
Molecular mass	: 223.17 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

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SECT	ION 10: Stability and reactivity
10.1.	Reactivity
No add	itional information available
10.2.	Chemical stability
The pro	oduct is stable at normal handling and storage conditions.
10.3.	Possibility of hazardous reactions
No add	itional information available
10.4.	Conditions to avoid
Keep a	way from heat, sparks and flame.
10.5.	Incompatible materials
Strong	acids. Strong bases. 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 s

11.1	. I	Informat	ion on	toxico	logica	I effects

Acute toxicity	: Not classified
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

SECT	ON 12: Ecological information		
12.1.	Toxicity		
No addit	ional information available		
12.2.	Persistence and degradability		
No addit	ional information available		
12.3.	Bioaccumulative potential		

No additional information available

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12.4. Mobility in soil

No additional information available

12.5. Other adverse effects

No additional information available

SECTION 13: Disposal consider	ations	
13.1. Waste treatment methods		
Waste treatment methods Waste disposal recommendations	Remove to an authorized incinerator equipped withDispose of contents/container in accordance with I	-
Additional information	: Recycle the material as far as possible.	
SECTION 14: Transport informa	lion	
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 inform	ation	
15.1. US Federal regulations		
All components of this product are listed, Substances Control Act (TSCA) inventor	or excluded from listing, on the United States Environmental except for:	Protection Agency Toxic
4-[(2,2,3,3-Tetrafluoropropyl)amino]phen	CAS No 1365808-22-5	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

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	: 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	: 2 Moderate Hazard - Temporary or minor injury may occur
Flammability	 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)
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.