

Safety Data Sheet 3630308 according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations Date of issue: 02/16/2021 Version: 1.0

I.1. Identification		
Iraduat form	: Substance	
Product form		
Substance name	: 2,6-Difluoroaniline	
CAS No	: 5509-65-9	
Product code	: 3630-3-08	
Formula	: C6H5F2N	
Other means of identification	: MFCD00007655	
1.2. Relevant identified uses	es of the substance or mixture and uses advised against	
Use of the substance/mixture	: Laboratory chemicals Manufacture of substances Scientific research and development	
1.3. Details of the supplier o	of the safety data sheet	
SynQuest Laboratories, Inc. P.O. Box 309 Alachua, FL 32615 - United States o T (386) 462-0788 - F (386) 462-709 info@synquestlabs.com - www.syno	97	
1.4. Emergency telephone n	number	
Emergency number	: (844) 523-4086 (3E Company - Account 10069)	
SECTION 2: Hazard(s) iden	ntification	
2.1. Classification of the sub	Ibstance or mixture	
Classification (GHS-US)		
Acute Tox. 4 (Inhalation) H332 - Skin Irrit. 2 H315 - Eye Dam. 1 H318 - Skin Sens. 1 H317 -	 Harmful in contact with skin Harmful if inhaled Causes skin irritation Causes serious eye damage May cause an allergic skin reaction May cause respiratory irritation 	
	16	
Full text of H-phrases: see section 1		
Full text of H-phrases: see section 1 2.2. Label elements		
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2.2. Label elements	HS02 GHS05 GHS07	
2.2. Label elements GHS-US labeling		
2.2. Label elements GHS-US labeling Hazard pictograms (GHS-US)	THE SECOND SECON	
2.2. Label elements GHS-US labeling Hazard pictograms (GHS-US) Signal word (GHS-US)	: GHS02 GHS02 GHS05 GHS07 : Danger : H226 - Flammable liquid and vapor H302+H312+H332 - Harmful if swallowed, in contact with skin or if inhaled H315 - Causes skin irritation H317 - May cause an allergic skin reaction H318 - Causes serious eye damage H335 - May cause respiratory irritation	

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lenses, if present and easy to do. Continue rinsing P310 - Immediately call a POISON CENTER or doctor/ physician P321 - Specific treatment (see supplemental first aid instructions on this label) P330 - Rinse mouth P332+P313 - If skin irritation occurs: Get medical advice/attention P333+P313 - If skin irritation or rash occurs: Get medical advice/attention P362+P364 - Take off contaminated clothing and wash it before reuse P363 - Wash contaminated clothing before reuse	····,,,	
		 P272 - Contaminated work clothing must not be allowed out of the workplace P280 - Wear protective gloves/protective clothing/eye protection/face protection P301+P312 - If swallowed: Call a POISON CENTER or doctor/ physician if you feel unwell P302+P352 - If on skin: Wash with plenty of soap and water P303+P361+P353 - If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower 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 P310 - Immediately call a POISON CENTER or doctor/ physician P321 - Specific treatment (see supplemental first aid instructions on this label) P330 - Rinse mouth P332+P313 - If skin irritation occurs: 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
		I contraction of the second

2.3. **Other hazards**

No additional information available

Unknown acute toxicity (GHS US) 2.4.

Not applicable

SECTION 3: Composition/information on ingredients

3.1. **Substance**

: Mono-constituent Substance type **Product identifier Classification (GHS-US)** % Name 2,6-Difluoroaniline (CAS No) 5509-65-9 Flam. Liq. 3, H226 <= 100 Acute Tox. 4 (Oral), H302 (Main constituent) Acute Tox. 4 (Dermal), H312 Acute Tox. 4 (Inhalation), H332 Skin Irrit. 2, H315 Eye Dam. 1, H318 Skin Sens. 1, H317 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 :	In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible). Move the affected personnel away from the contaminated area.
First-aid measures after inhalation :	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 :	Wash with plenty of soap and water. Get immediate medical advice/attention.
First-aid measures after eye contact :	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 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.
4.3. Indication of any immediate medical at	tention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures	
5.1. Extinguishing media	
Suitable extinguishing media	: Alcohol resistant foam. Carbon dioxide. Dry powder. Water spray. Use extinguishing media appropriate for surrounding fire.

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5.2. Special hazards arisir	ng from the substance or mixture
Fire hazard	: Thermal decomposition generates: Carbon oxides. Hydrogen fluoride. Nitrogen oxides.
Explosion hazard	: Risk of explosion if heated under confinement. Use water spray or fog for cooling exposed containers. May form flammable/explosive vapor-air mixture.
5.3. Advice for firefighters	
Firefighting instructions	: In case of fire: Evacuate area. Fight fire remotely due to the risk of explosion.
Protection 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".

SECTION 6: Accidental release mea	sures	
6.1. Personal precautions, protective eq	Personal precautions, protective equipment and emergency procedures	
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".	
Emergency procedures	: Gas/vapor heavier than air. May accumulate in confined spaces, particularly at or below ground level. Consider the risk of potentially explosive atmospheres. Eliminate every possible source of ignition.	
6.2. Environmental precautions		
Avoid release to the environment. Notify authorities if product enters sewers or public waters.		
6.3. Methods and material for containme	ent and cleaning up	

inclifed and material for containing	chi una olcuming 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 sections**

No additional information available	
SECTION 7: Handling and storage	
7.1. Precautions for safe handling	
Additional hazards when processed	: Handle empty containers with care because residual vapors are flammable.
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. Keep away from ignition sources (including static discharges). Proper grounding procedures to avoid static electricity should be followed. Use only non-sparking tools.
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	g any incompatibilities
Technical measures	· Comply with applicable regulations

Technical measures	: Comply with applicable regulations.
Storage conditions	: Keep container closed when not in use. Keep away from ignition sources. 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

Exposure controls 8.2.

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.

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Hand protection	: Protective gloves. 29 CFR 1910.138: Hand Protection.
Eye protection	: Chemical goggles or safety glasses. Face shield. 29 CFR 1910.133: Eye and Face Protection
Skin and body protection	: Wear suitable protective clothing.
Respiratory protection	: In case of inadequate ventilation wear respiratory protection. 29 CFR 1910.134: Respiratory Protection.
Other information	: Safety shoes. 29 CFR 1910.136: Foot Protection.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and	chemical properties
Physical state	: Liquid
Color	: No data available
Odor	: No data available
Odor threshold	: No data available
pH	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: 70 - 71 °C (@ 40 mm Hg)
Flash point	: 43 °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	: 1.199 g/ml (@ 25 °C)
Molecular mass	: 129.11 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	: 1.5084 (@ 20 °C)

SECT	ION 10: Stability and reactivity
10.1.	Reactivity
No addi	itional information available
10.2.	Chemical stability
The pro	duct is stable at normal handling and storage conditions.
10.3.	Possibility of hazardous reactions
No addi	itional information available
10.4.	Conditions to avoid
Keep av	way from heat, sparks and flame.
10.5.	Incompatible materials
Acid chl	lorides. Acid anhydrides. 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.

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SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity

: Oral: Harmful if swallowed. Dermal: Harmful in contact with skin. Inhalation: Harmful if inhaled.

2,6-Difluoroaniline (5509-65-9)	
ATE US (oral)	500.000 mg/kg body weight
ATE US (dermal)	1100.000 mg/kg body weight
ATE US (gases)	4500.000 ppmV/4h
ATE US (vapors)	11.000 mg/l/4h
ATE US (dust, mist)	1.500 mg/l/4h
Skin corrosion/irritation	: Causes skin irritation.
Serious eye damage/irritation	: Causes serious eye damage.
Respiratory or skin sensitization	: May cause an allergic skin reaction.
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
Potential Adverse human health effects and symptoms	: Overexposure to this material may result in methemoglobinemia. Cyanosis may occur (lips and fingernails turn blue).
SECTION 12: Ecological information	
12.1. Toxicity	
No additional information available	
12.2. Persistence and degradability	
No additional information available	
12.3 Bioaccumulative notential	

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 consideratio	ns
13.1. Waste treatment methods	
Waste treatment methods	: Remove to an authorized incinerator equipped with an afterburner and a flue gas scrubber.
Waste disposal recommendations	: Dispose of contents/container in accordance with licensed collector's sorting instructions.
Additional information	: Recycle the material as far as possible.
SECTION 14: Transport information	
Department of Transportation (DOT)	
Department of Transportation (DOT) In accordance with DOT	

: UN1993
: Flammable liquids, n.o.s.
: 3 - Class 3 - Flammable and combustible liquid 49 CFR 173.120

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Packing group (DOT) III - Minor Danger DOT Packaging Non Bulk (49 CFR 173.xxx) 203 DOT Sphools G B1 - If the material has a flash point at or above 38 C (100 F) and below 93 C (200 F), then the bulk packaging requirements of 173.240 of this subchapter are applicable. B2C - Notwithstanding the provisions of 173.240 of this subchapter, non-reclosing pressure lists than or required in 174.241 (21), or 130 MPA at 3142). Compadies the flash and 31N2, Rigd pacing (11) Hang 31H2). Compadies the flash and 31N2, Rigd pacing (11) Hang 31H2). Compadies the flash and 31N2 is a subchapter are applicable. B2C - Notwithstanding the provisions or 173.240 of this subchapter are applicable. B2C - Abortable tank having a minimum test pressure of 1.108 at 25 (1).15 brait 12 F), or 130 MPA at 35 (10 UN2672). T4 - 2.65 178.274(d)(2) Normal. T19 - The maximum degree of filling dutring flaines, maxinum mean bulk temperature uring transportsuse is 1.5 b	Hazard labels (DOT)	: 3 - Flammable liquid
DOT Packaging Non Bulk (49 CFR 173.xxx) : 242 DOT Symbols : G - Identifies PSN requiring a technical name DOT Symbols : G - Identifies PSN requiring a technical name DOT Symbols : B - I If the material has a flash point at or above 38 C (100 F), and below 93 C (200 F), then the bulk packaging requirements of 173.240 of this subchapter are applicable. If the material has a flash point of less than 38 C (100 F), then the bulk packaging requirements of 173.240 of this subchapter, non-reclosing pressure relief divices are authorized on DOT 57 portable tanks. B3 - Authorized IBCS: Metal (31A, 31B and 31N); rägid plastics (31H1 and 31H2); Composite (31H21 and 31H42); A1D2 and 31H42]. A1D12 and 31H42]. A1D2 and 31H42]. A1D12 and 31H42]. A1D2 and 31H42]. Composite (31H21 and 31H22); C1 (31 Bar at 131 F) are authorized, except for UN2672 (30) see Special Provision IP8 in Table 2 for UN2672). T4 - 2.65 TA8.274 (0)(2) Normal		
DOT Packaging Non Bulk (49 CFR 173.xxx) : 242 DOT Synobis : G - Identifies PSN requiring a technical name DOT Synobis : G - Identifies PSN requiring a technical name DOT Special Provisions (49 CFR 172.102) : B1 - If the material has a flash point at or above 36 C (100 F) and below 93 C (200 F), then the bulk packaging requirements of 173.244 of this subchapter are applicable. If the material has a flash point of less than 38 C (100 F), then the bulk packaging requirements of 173.242 of this subchapter are applicable. If the material has a flash point of less than 38 C (100 F), then the bulk packaging requirements of 173.242 of this subchapter, non-reclosing pressure relief devices are authorized on DOT 57 portable tanks. IB3 - Authorized IBCS: Metal (31A, 31B and 31N); rg(i) plastics (31H1 and 31H2); Composite (31H21 and 31H42); A1D2 and 31H42]. Additional Requirement: Only liquid 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). T4 - 2.65 T 82.274 (J(2) Normal		
DOT Packaging Non Bulk (49 CFR 173.xxx) : 242 DOT Symbols : G · Identifies PSN requiring a technical name DOT Symbols : G · Identifies PSN requiring a technical name DOT Symbols : B · I fit me material has a flash point at or above 38 C (100 F) and below 93 C (200 F), then the bulk packaging requirements of 173.244 of this subchapter are applicable. DoT Symbols : B · I fit me material has a flash point at or above 38 C (100 F), and below 93 C (200 F), then the bulk packaging requirements of 173.242 of this subchapter are applicable. Bo2 · Notwithstanding the provisions of 173.240 of this subchapter, non-reclosing pressure relief divices are authorized on DOT 57 portable tanks. B · B · Authorized IBCS: Metal (31A, 31B and 31N); radjo plastics (31H1 and 31H2); Composite (31H21 and 31H42; 1AH22, 31H22, 31H42, 31H22, 31H2, 31		3
DOT Packaging Bulk (49 CFR 173.xxx) : 242 DOT Symbols : G - Identifies PSN requiring a technical name DOT Syncial Provisions (49 CFR 172.102) : B1 - If the material has a flash point at or above 38 C (100 F) and below 93 C (200 F), then the bulk packaging requirements of 173.244 of this subchapter are applicable. If the material has a flash point of less than 38 C (100 F), then the bulk packaging requirements of 173.244 of this subchapter, non-reclosing pressure relief devices are authorized on DT 57 portable tanks. IB3 - Authorized IBSC: Medulistanding the provisions of 101 XPA at 50 C (1.1 bar at 122 F), composite (31471 and 31H2), 214012 and 31H142), additional Requirement: On 19 Replicable. IB3 - Authorized IBSC: Medulistanding the provision for 101 KPa at 50 C (1.1 bar at 122 F), composite (31471 and 31H2), 2140272 (also see Special Provision IP8 in Table 2 for UN2672), T4 - 2.65 178, 274(d)(2) Normal	Packing group (DOT)	: III - Minor Danger
DOT Symbols G - Identifies PSN requiring a technical name DoT Special Provisions (49 CFR 172.102) B I - If the material has a flash point at or above 38 C (100 F), and below 93 C (200 F), then the bulk packaging requirements of 173.241 of this subchapter are applicable. Bits subchapter are applicable. DoT Symbols B I - If the material has a flash point of less than 38 C (100 F), then the bulk packaging requirements of 173.242 of this subchapter, non-reclosing pressure relief devices are authorized on DOT 57 portable tanks. B3 - Authorized IBCs: Metal (31A, 31B and 31N), Rigid plastics (31H1 and 31H2). Composite (31H21 and 31H42, 31H22, 31H22, 31H22) and 31H21, Additional Requirement: On Ni liquid with a vapor pressure less than or equal to 110 kH267 (additional Requirement Sci 173.24(d)(2) Normal	DOT Packaging Non Bulk (49 CFR 173.xxx)	: 203
DOT Special Provisions (49 CFR 172.102) : B1 - If the material has a fach point at or above 38 C (100 F) and below 93 C (200 F), then the bulk packaging requirements of 173 241 of this subchapter are applicable. If the material has a flash point of less than 38 C (100 F), then the bulk packaging requirements of 173.242 of this subchapter, non-reclosing pressure relief devices are authorized on DOT 57 portable tanks. B32 - Nutwithstanding the provisions of 173.24b of this subchapter, non-reclosing pressure relief devices are authorized on DOT 57 portable tanks. B33 - Authorized IGS. Wathitstanding the provisions of 173.24b of this subchapter, non-reclosing pressure relief devices are authorized on DOT 57 portable tanks. B33 - Authorized IGS. Wathitstanding the provisions of 173.24b of this subchapter, non-reclosing pressure relief devices are authorized on DOT 57 portable tanks. B33 - Authorized IGS. Wathitstanding the provisions of 173.24b of this subchapter, non-reclosing pressure relief devices are authorized on DOT 57 portable tanks. B35 - Authorized IGS. Mathitstanding the provisions of 173.24b of this subchapter, onn-reclosing pressure relief devices are authorized on DOT 57 portable tanks. B35 - Authorized IGS. Mathitstanding the provision ID of NPA at 55 C (1.1 bar at 125 F), or 130 MPA at 55 C (1.1 bar at 125 F), or 130 MPA at 55 C (1.1 bar at 125 F), or 130 MPA at 55 C (1.1 bar at 125 F), or 130 MPA at 55 C (1.1 bar at 125 F), or 130 MPA at 55 C (1.1 bar at 125 F), or 130 MPA at 55 C (1.1 bar at 125 F), or 130 MPA at 55 C (1.1 bar at 125 F), or 130 MPA at 55 C (1.1 bar at 125 F), or 130 MPA at 55 C (1.1 bar at 125 F), or 130 MPA at 55 C (1.1 bar at 125 F), or 130 MPA at 55 C (1.1 bar at 125 F), or 130 MPA at 55 C (1.1 bar at 125 F), or 130 MPA at 55 F C (1.	DOT Packaging Bulk (49 CFR 173.xxx)	: 242
bulk packaging requirements of 173,241 of this subchapter are applicable.B52 - Notwithstanding the provisions of 173,240 of this subchapter, non-reclosing pressureB52 - Notwithstanding the provisions of 173,240 of this subchapter, non-reclosing pressureB53 - Notwithstanding the provisions of 173,240 of this subchapter, non-reclosing pressureB54 - Notwithstanding the provisions of 173,240 of this subchapter, non-reclosing pressureB53 - Notwithstanding the provisions of 173,240 pressure less than or equal to 110 km at 50 (1.1 bar at 122 F), or 130 km at 51B54 - Notwithstanding the authorized texce the degree of lilling determined by the following: Degree of filling and stop (1.4 bar at 50 C) (1.1 bar at 122 F), or 130 km at 51C (1.3 bar at 131 F) are authorized, except for UN2672 (3)T4 - 2.65 178, 274(4)(2) Normal	DOT Symbols	: G - Identifies PSN requiring a technical name
DOT Packaging Exceptions (49 CFR 173.xx):1 50DOT Quantity Limitations Passenger aircraft/rail:60 L(49 CFR 173.27):220 LDOT Quantity Limitations Cargo aircraft only (49:220 LCFR 175.75)::A - The material may be stowed "on deck" or "under deck" on a cargo vessel and on a passenger vessel.Other information:No supplementary information available.TIGGNo additional information availableTransport by seaUN-No. (IMDG):1993Proper Shipping Name (IMDG):FLAMMABLE LIQUID, N.O.S.Class (IMDG)::191Packing group (IMDG)::Harmable liquids::Packing noup (IMDG)::UN-No. (IATA):1993Proper Shipping Name (IATA):UN-No. (IATA)::UN-No. (IATA):UN-No. (IATA):Start ansport:UN-No. (IATA):Start ansport:Start ansport:Start ansport:Start ansport <td>DOT Special Provisions (49 CFR 172.102)</td> <td> bulk packaging requirements of 173.241 of this subchapter are applicable. If the material has a flash point of less than 38 C (100 F), then the bulk packaging requirements of 173.242 of this subchapter are applicable. B52 - Notwithstanding the provisions of 173.24b of this subchapter, non-reclosing pressure relief devices are authorized on DOT 57 portable tanks. 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 liquid: 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). T4 - 2.65 178.274(d)(2) Normal</td>	DOT Special Provisions (49 CFR 172.102)	 bulk packaging requirements of 173.241 of this subchapter are applicable. If the material has a flash point of less than 38 C (100 F), then the bulk packaging requirements of 173.242 of this subchapter are applicable. B52 - Notwithstanding the provisions of 173.24b of this subchapter, non-reclosing pressure relief devices are authorized on DOT 57 portable tanks. 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 liquid: 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). T4 - 2.65 178.274(d)(2) Normal
DOT Quantity Limitations Passenger aircraft/rail : 60 L (49 CFR 173.27) DOT Quantity Limitations Cargo aircraft only (49 : 220 L CFR 175.75) : A - The material may be stowed "on deck" or "under deck" on a cargo vessel and on a passenger vessel. Other information : No supplementary information available. TDG . No additional information available Transport by sea . . UN-No. (IMDG) : 1993 Proper Shipping Name (IMDG) : FLAMMABLE LIQUID, N.O.S. Class (IMDG) : 3 - Flammable liquids Packing group (IMDG) : III - substances presenting low danger Air transport . . 1993 Proper Shipping Name (IATA) : 1993 Packing group (IMDG) : III - substances presenting low danger Air transport . . . UN-No. (IATA) : 1993 Proper Shipping Name (IATA) : . UN-No. (IATA) : . UN-No. (IATA) : . Proper Shipping Name (IATA) : .	DOT Packaging Exceptions (40 CEP 173 vvv)	
(49 CFR 173.27) DOT Quantity Limitations Cargo aircraft only (49) : 220 L CFR 175.75) CFR 175.75) DOT Vessel Stowage Location : A - The material may be stowed "on deck" or "under deck" on a cargo vessel and on a passenger vessel. Other information : No supplementary information available. TDG No additional information available Transport by sea VN-No. (IMDG) Proper Shipping Name (IMDG) : 1993 Proper Shipping Name (IMDG) : 3 - Flammable liquids Packing group (IMDG) : III - substances presenting low danger Air transport VN-No. (IATA) UN-No. (IATA) : 1993 Proper Shipping Name (IATA) : 1993 Proper Shipping Name (IATA) : 1993		
CFR 175.75) Constrained on a cargo vessel and on a passenger vessel. Other information : No supplementary information available. TDG No additional information available Transport by sea UN-No. (IMDG) : 1993 Proper Shipping Name (IMDG) : FLAMMABLE LIQUID, N.O.S. Class (IMDG) Class (IMDG) : 3 - Flammable liquids Packing group (IMDG) : III - substances presenting low danger Air transport UN-No. (IATA) : 1993 Proper Shipping Name (IATA) : 1993		
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Other information i No supplementary information available. TDG No additional information available No additional information available Image: Comparison of Compariso	DOT Vessel Stowage Location	•
No additional information availableTransport by seaUN-No. (IMDG): 1993Proper Shipping Name (IMDG): FLAMMABLE LIQUID, N.O.S.Class (IMDG): 3 - Flammable liquidsPacking group (IMDG): III - substances presenting low dangerAir transportUN-No. (IATA): 1993Proper Shipping Name (IATA): Flammable liquid, n.o.s.Class (IATA): 3 - Flammable liquids	Other information	
Transport by seaUN-No. (IMDG): 1993Proper Shipping Name (IMDG): FLAMMABLE LIQUID, N.O.S.Class (IMDG): 3 - Flammable liquidsPacking group (IMDG): III - substances presenting low dangerAir transportUN-No. (IATA): 1993Proper Shipping Name (IATA): Flammable liquid, n.o.s.Class (IATA): 3 - Flammable liquids	TDG	
UN-No. (IMDG): 1993Proper Shipping Name (IMDG): FLAMMABLE LIQUID, N.O.S.Class (IMDG): 3 - Flammable liquidsPacking group (IMDG): III - substances presenting low dangerAir transportUN-No. (IATA): 1993Proper Shipping Name (IATA): Flammable liquid, n.o.s.Class (IATA): 3 - Flammable liquids	No additional information available	
Proper Shipping Name (IMDG): FLAMMABLE LIQUID, N.O.S.Class (IMDG): 3 - Flammable liquidsPacking group (IMDG): III - substances presenting low dangerAir transportUN-No. (IATA): 1993Proper Shipping Name (IATA): Flammable liquid, n.o.s.Class (IATA): 3 - Flammable liquids	Transport by sea	
Class (IMDG) : 3 - Flammable liquids Packing group (IMDG) : III - substances presenting low danger Air transport	UN-No. (IMDG)	: 1993
Packing group (IMDG) : III - substances presenting low danger Air transport UN-No. (IATA) UN-No. (IATA) : 1993 Proper Shipping Name (IATA) : Flammable liquid, n.o.s. Class (IATA) : 3 - Flammable Liquids	Proper Shipping Name (IMDG)	: FLAMMABLE LIQUID, N.O.S.
Air transport UN-No. (IATA) : 1993 Proper Shipping Name (IATA) : Flammable liquid, n.o.s. Class (IATA) : 3 - Flammable Liquids	Class (IMDG)	: 3 - Flammable liquids
UN-No. (IATA): 1993Proper Shipping Name (IATA): Flammable liquid, n.o.s.Class (IATA): 3 - Flammable Liquids	Packing group (IMDG)	: III - substances presenting low danger
Proper Shipping Name (IATA) : Flammable liquid, n.o.s. Class (IATA) : 3 - Flammable Liquids	Air transport	
Class (IATA) : 3 - Flammable Liquids		
Packing group (IATA) : III - Minor Danger		•
	Packing group (IATA)	: III - Minor Danger
	15.1. US Federal regulations	

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-Difluoroaniline CAS No 5509-65-9 100%

This product or mixture does not contain a toxic chemical or chemicals in excess of the applicable de minimis concentration as specified in 40 CFR §372.38(a) subject to the reporting requirements of section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372.

Safety Data Sheet

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

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. 4 (Dermal)	Acute toxicity (dermal) Category 4
Acute Tox. 4 (Inhalation)	Acute toxicity (inhalation) Category 4
Acute Tox. 4 (Oral)	Acute toxicity (oral) Category 4
Eye Dam. 1	Serious eye damage/eye irritation Category 1
Flam. Liq. 3	Flammable liquids Category 3
Skin Irrit. 2	Skin corrosion/irritation Category 2
Skin Sens. 1	Skin sensitization Category 1
STOT SE 3	Specific target organ toxicity (single exposure) Category 3
H226	Flammable liquid and vapor
H302	Harmful if swallowed
H312	Harmful in contact with skin
H315	Causes skin irritation
H317	May cause an allergic skin reaction
H318	Causes serious eye damage
H332	Harmful if inhaled
H335	May cause respiratory irritation
A health hazard	: 3 - Short exposure could cause serious temporary or residual injury even though prompt medical attention was given.
fire hazard	: 2 - Must be moderately heated or exposed to relatively high

	temperature 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	: 2 Moderate Hazard - Materials which must be moderately heated or exposed to high ambient

ambient temperatures before ignition will occur. Includes liquids having a flash point at or above 100 F but below 200 F. (Classes II & IIIA)

react with water, polymerize, decompose, condense, or self-react. Non-Explosives.

: 0 Minimal Hazard - Materials that are normally stable, even under fire conditions, and will NOT

Physical

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.