

# (S)-1-(2,4-Difluorophenyl)ethylamine Safety Data Sheet 36303S5 according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Date of issue: 05/24/2016 Version: 1.0

1.1. Identification	
Product form	: Substance
Substance name	: (S)-1-(2,4-Difluorophenyl)ethylamine
CAS No	: 845252-02-0
Product code	: 3630-3-S5
Formula	: C8H9F2N
Synonyms	: (S)-1-(2,4-Difluorophenyl)ethan-1-amine
Other means of identification	: MFCD06761834
I.2. Relevant identified uses of the sul	bstance 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 safet	y 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	
1.4. Emergency telephone number	
Emergency number	: (844) 523-4086 (3E Company - Account 10069)
SECTION 2: Hazard(s) identificatio	n
2.1. Classification of the substance or	
Classification (GHS-US)	
Eye Dam. 1H318 - Causes seriousSTOT SE 3H335 - May cause resp	eye damage
Eye Dam. 1 H318 - Causes serious STOT SE 3 H335 - May cause resp Full text of H-phrases: see section 16	eye damage
Eye Dam. 1       H318 - Causes serious         STOT SE 3       H335 - May cause resp         Full text of H-phrases: see section 16         2.2.       Label elements         GHS-US labeling	eye damage
Eye Dam. 1       H318 - Causes serious         STOT SE 3       H335 - May cause resp         Full text of H-phrases: see section 16         2.2.       Label elements         GHS-US labeling	eye damage
Eye Dam. 1 H318 - Causes serious STOT SE 3 H335 - May cause resp Full text of H-phrases: see section 16 2.2. Label elements GHS-US labeling Hazard pictograms (GHS-US)	eye damage iratory irritation
Eye Dam. 1       H318 - Causes serious         STOT SE 3       H335 - May cause resp         Full text of H-phrases: see section 16         2.2.       Label elements	eye damage irratory irritation

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2.3. Other hazards No additional information available 2.4. Unknown acute toxicity (GHS US Not applicable SECTION 3: Composition/informa 3.1. Substance	P32 P33( P332 P362 P37( P403 P403 P403 P50	<ol> <li>Specific treatment (see supplemental f</li> <li>Rinse mouth</li> <li>Parise mouth</li> <li>Parise and the set of contaminated clothing a</li> <li>Parise of fire: Use dry sand, dr</li> <li>Parise of fire: Use dry sand, dr</li> <li>Parise of a well-ventilated place.</li> <li>Store in a well-ventilated place.</li> <li>Store locked up</li> <li>Dispose of contents/container to an ap</li> </ol>	ical advice/atten and wash it befo y chemical or alo Keep container Keep cool	tion re reuse cohol-resistant foam to extinguish tightly closed
Substance type	· Mon	o-constituent		
••	. 1001			
Name (S)-1-(2,4-Difluorophenyl)ethylamine (Main constituent)		Product identifier (CAS No) 845252-02-0	<b>%</b> <= 100	Classification (GHS-US)           Flam. Liq. 4, H227           Acute Tox. 4 (Oral), H302           Skin Irrit. 2, H315           Eye Dam. 1, H318           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	5			
First-aid measures general First-aid measures after inhalation	whei	ase of accident or if you feel unwell, seek re possible). Move the affected personnel nove person to fresh air and keep comfort	away from the o	contaminated area.
First-aid measures after skin contact	resp	iration. Get immediate medical advice/atto h with plenty of soap and water. Remove	ention.	
First-aid measures after eye contact	: Imm	ical advice/attention. ediately flush eyes thoroughly with water		
First-aid measures after ingestion	: Do N	<ul> <li>present and easy to do. Continue rinsing. Get immediate medical advice/attention.</li> <li>Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth out with water. Get immediate medical advice/attention.</li> </ul>		
4.2 Mont important summtane and				•
4.2. Most important symptoms and e		•	oto aro deserili-	ad in the labelling (and eastion
Symptoms/injuries	2.2)	most important known symptoms and effe and/or in section 11.		
Symptoms/injuries after inhalation	shor	erial is destructive to tissue of the mucuou tness of breath, headache, nausea.	s memoranes a	nu upper respiratory tract. Cougn,
4.3. Indication of any immediate med	lical attentio	on and special treatment needed		
Treat symptomatically.				
SECTION 5: Firefighting measure	S			
5.1. Extinguishing media				
Suitable extinguishing media		hol resistant foam. Carbon dioxide. Dry po opriate for surrounding fire.	owder. Water sp	ray. Use extinguishing media
5.2. Special hazards arising from the	substance	or mixture		
Fire hazard		mal decomposition generates: Carbon ox		•
Explosion hazard		of explosion if heated under confinement ainers. May form flammable/explosive vap		ay or fog for cooling exposed
5.3. Advice for firefighters				
Firefighting instructions	: In ca	ase of fire: Evacuate area. Fight fire remot	ely due to the ris	sk of explosion.
Protection during firefighting		r gas tight chemically protective clothing i aratus. For further information refer to sec		

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SECTION 6: Accidental release measu	Ires	
6.1. Personal precautions, protective equipment and emergency procedures		
	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	s if product enters sewers or public waters.	
6.3. Methods and material for containment	t 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 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	any incompatibilities	
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

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.

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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	
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	
Relative density	: No data available	
Relative vapor density at 20 °C	: No data available	
Molecular mass	: 157.16 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		
<b>SECTION 10: Stability and reactivit</b>	у	
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

Acids. Acid chlorides. Acid anhydrides. Carbon dioxide. 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		
: Oral: Harmful if swallowed.		
: Causes skin irritation.		
: Causes serious eye damage.		
: Not classified		

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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
Symptoms/injuries after inhalation	: Material is destructive to tissue of the mucuous membranes and upper respiratory tract. Cough, shortness of breath, headache, nausea.

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 consider	rations
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>
<b>SECTION 14: Transport informa</b>	ition
Department of Transportation (DOT)	

In accordance with DOT	
Transport document description	: NA1993 Combustible liquid, n.o.s., 3, III
UN-No.(DOT)	: NA1993
Proper Shipping Name (DOT)	: Combustible liquid, n.o.s.
Transport hazard class(es) (DOT)	: 3 - Class 3 - Flammable and combustible liquid 49 CFR 173.120
Packing group (DOT)	: III - Minor Danger
DOT Packaging Non Bulk (49 CFR 173.xxx)	: 203
DOT Packaging Bulk (49 CFR 173.xxx)	: 241
DOT Symbols	: D - Proper shipping name for domestic use only, or to and from Canada,G - Identifies PSN requiring a technical name
DOT Special Provisions (49 CFR 172.102)	<ul> <li>IB3 - Authorized IBCs: Metal (31A, 31B and 31N); Rigid plastics (31H1 and 31H2); Composite (31HZ1 and 31HA2, 31HB2, 31HD2, 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).</li> <li>T1 - 1.5 178.274(d)(2) Normal</li></ul>
DOT Packaging Exceptions (49 CFR 173.xxx)	: 150
DOT Quantity Limitations Passenger aircraft/rail (49 CFR 173.27)	: 60 L

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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.
Other information	: No supplementary information available.
TDG	

No additional information available

#### Transport by sea

No additional information available

#### Air transport

No additional information available

### SECTION 15: Regulatory information

#### 15.1. US Federal regulations

All components of this product are listed, or excluded from listing, on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory except for:

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 845252-02-0

#### 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 (Oral)	Acute toxicity (oral) Category 4
Eye Dam. 1	Serious eye damage/eye irritation Category 1
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
H302	Harmful if swallowed
H315	Causes skin irritation
H318	Causes serious eye damage
H335	May cause respiratory irritation

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.



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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.