

# DL-2-(Trifluoromethyl)leucine Safety Data Sheet 4157328 according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Date of issue: 02/25/2016 Version: 1.0

SECTION 1: Identification			
1.1. Identification			
Product form	: Substance		
Substance name	ne : DL-2-(Trifluoromethyl)leucine		
CAS No	: 136030-50-7		
Product code	: 4157-3-28		
Formula	: C7H12F3NO2		
Other means of identification	: MFCD01320809		
1.2. Relevant identified uses of the sul	ostance 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	<u>om</u>		
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)			
Skin Irrit. 2H315 - Causes skin irritationEye Irrit. 2AH319 - Causes serious eye irriSTOT SE 3H335 - May cause respiratory iFull 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)	<ul> <li>P261 - Avoid breathing dust, mist, spray</li> <li>P264 - Wash skin thoroughly after handling</li> <li>P271 - Use only outdoors or in a well-ventilated area</li> <li>P280 - Wear protective gloves/protective clothing/eye protection/face protection</li> <li>P302+P352 - If on skin: Wash with plenty of soap and water</li> <li>P304+P340 - If inhaled: Remove person to fresh air and keep comfortable for breathing</li> <li>P305+P351+P338 - If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing</li> <li>P312 - Call a POISON CENTER or doctor/physician if you feel unwell</li> <li>P321 - Specific treatment (see supplemental first aid instructions on this label)</li> <li>P332+P313 - If skin irritation occurs: Get medical advice/attention</li> <li>P362+P364 - Take off contaminated clothing and wash it before reuse</li> <li>P403+P233 - Store in a well-ventilated place. Keep container tightly closed</li> <li>P405 - Store locked up</li> <li>P501 - Dispose of contents/container to an approved waste disposal plant</li> </ul>		

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2.3. Other hazards					
No addi	tional information available				
2.4. Unknown acute toxicity (GHS US)					
Not applicable					
SECTION 3: Composition/information on ingredients					
3.1.	Substance				
Substan	ce type :	Monc	o-constituent		
Name			Product identifier	%	Classification (GHS-US)
	rifluoromethyl)leucine nstituent)		(CAS No) 136030-50-7	<= 100	Skin Irrit. 2, H315 Eye Irrit. 2A, H319 STOT SE 3, H335
Full text	of H-phrases: see section 16				·
3.2.	Mixture				
Not app	licable				
SECT	ON 4: First aid measures				
4.1.	Description of first aid measures				
First-aid	measures general :		se of accident or if you feel unwell, seek is possible). Move the affected personnel		
First-aid		respi	ove person to fresh air and keep comforta ration. Get medical advice/attention.		
			with plenty of soap and water. Get med		
		prese	ediately flush eyes thoroughly with water tent and easy to do. Continue rinsing. Get	medical advice/	attention.
First-aid	measures after ingestion :		OT induce vomiting. Never give anything h out with water. Get medical advice/atte		unconscious person. Rinse
4.2.	Most important symptoms and effects				
Sympto	ns/injuries :		nost important known symptoms and effe and/or in section 11.	ects are describe	ed in the labelling (see section
4.3.	Indication of any immediate medical at	tentio	n and special treatment needed		
Treat sy	mptomatically.				
SECT	ON 5: Firefighting measures				
5.1.	Extinguishing media				
Suitable	extinguishing media :		ol resistant foam. Carbon dioxide. Dry po priate for surrounding fire.	owder. Water sp	oray. Use extinguishing media
5.2.	Special hazards arising from the subst	tance	or mixture		
Fire haz	ard :	Therr	nal decomposition generates: Carbon ox	ides. Hydrogen	fluoride. Nitrogen oxides.
5.3.	Advice for firefighters				
		In ca	se of fire: Evacuate area.		
-	•		gas tight chemically protective clothing i ratus. For further information refer to sec		
SECT	ON 6: Accidental release measu	res			
6.1.	Personal precautions, protective equip		and emergency procedures		
General			uate unnecessary personnel. Ensure ade	equate air ventila	ation. Do not breathe dust.
6.1.1.	For non-emergency personnel				
Emerge	ncy procedures :	Only	qualified personnel equipped with suitabl	e protective equ	ipment may intervene.
6.1.2.	For emergency responders				
			ot attempt to take action without suitable to section 8: "Exposure controls/persona		ment. For further information
6.2.	Environmental precautions				
Avoid re	lease to the environment. Notify authorities	if proc	luct enters sewers or public waters.		
6.3.	Methods and material for containment	and c	leaning up		
			leak if safe to do so.		
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Methods for cleaning up	<ul><li>Sweep or shovel spills into appropriate container for disposal. Minimize generation of dust.</li><li>For disposal of solid materials or residues refer to section 13 : "Disposal considerations".</li></ul>		
Other information			
6.4. Reference to other sections			
No additional information available			
SECTION 7: Handling and storag	ye		
7.1. Precautions for safe handling			
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 dust, mist, spray. Wear personal protective equipment. Avoid contact with skin and eyes.		

		smoke when using this product. Always wash hands after handling the product.
7.2. C	conditions for safe storage, includ	ling any incompatibilities
Technical measures		: Comply with applicable regulations.
Storage conditions		: Keep container closed when not in use.
Incompatibl	e materials	: Refer to Section 10 on Incompatible Materials.
Storage are	a	: 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.

#### **SECTION 9: Physical and chemical properties**

9.1. Information on basic physical a	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	: 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	: 199.17 g/mol
Solubility	: No data available
Log Pow	: No data available

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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 r</b>	eactivity
10.1. Reactivity	
No additional information available	
10.2. Chemical stability	
The product is stable at normal hand	ling and storage conditions.
10.3. Possibility of hazardous	reactions
No additional information available	
10.4. Conditions to avoid	
Keep away from heat, sparks and flan	me.
10.5. Incompatible materials	
Strong oxidizing agents.	
10.6. Hazardous decompositio	n products
Under normal conditions of storage a fire, see Section 5.	and use, hazardous decomposition products should not be produced. Hazardous decomposition products in case of
SECTION 11: Toxicological	information
11.1. Information on toxicologi	ical effects
A quita taviaitu	
Acute toxicity	: Not classified
Skin corrosion/irritation	: Causes skin irritation.

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

SECTI	ION 12: Ecological information
12.1.	Toxicity
No addit	tional information available
12.2.	Persistence and degradability
No addit	tional information available
12.3.	Bioaccumulative potential
No addit	tional information available
12.4.	Mobility in soil
No addit	tional information available
12.5.	Other adverse effects
No addit	tional information available

No additional information available

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SECTION 13: Disposal considerations			
13.1.	Waste treatment methods		
Waste tr	eatment 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

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 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:

DL-2-(Trifluoromethyl)leucine	CAS No 136030-50-7	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**

#### 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	: 0 - Materials that will not burn.
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	: 0 Minimal Hazard - Materials that will not burn
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.