Creosalus, Inc (Advanced ChemTech)

# ) www.AdvancedChemTech.com SAFETY DATA SHEET

Revision Date 05/28/2018

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1. PRO	DUCT AND COMPANY IDEN	<b>TIFICATION</b>			
1.1	Product identifiers				
	Product name	: Fmoc-D-Asp(OAllyl)-OH			
	Product Number	: FD3197			
	Brand	: Advanced ChemTech			
	CAS-No.	: 177609-12-0			
.2	Relevant identified uses	of the substance or mixture and uses advised against			
	Identified uses	: Laboratory chemicals, Manufacture of substances			
1.3	Details of the supplier of				
	Company	: Creosalus, Inc.			
	company	5609 Fern Valley Rd, Louisville, KY 40228 USA			
	Telephone	: +1 800-456-1403			
	Fax	:+1 502-968-1000			
1.4		<b>umber</b> : +1 800-424-9300 Chemtrec			
2. HAZ/ 2.1	ZARDS IDENTIFICATION Classification of the substance or mixture: Not a hazardous substance or mixture.				
2.1	GHS Label elements, including precautionary statements: Not a hazardous substance or mixture.				
2.2	Hazards not otherwise classified (HNOC) or not covered by GHS – none				
	IPOSITION/INFORMATION OI	N INGREDIENTS			
3.1	Substances				
	Synonyms	: Fmoc-D-aspartic acid 4-allyl ester			
	Formula	$: C_{22}H_{21}NO_6$			
	Molecular Weight	: 395.41g/mole			
	CAS-No.	: 177609-12-0			
	No ingredients are hazarde	ous according to OSHA criteria.			
	No components need to be	e disclosed according to the applicable regulations.			
	T AID MEASURES				
4.1	Description of first aid measures				
	If inhaled: If breathed in, move person into fresh air. If not breathing, give artificial respiration.				
	In case of skin contact: V	Nash off with soap and plenty of water.			
	In case of eye contact: Flush eyes with water as a precaution.				
	If swallowed: Never give anything by mouth to an unconscious person. Rinse mouth with water.				
4.2		ns and effects, both acute and delayed: The most important known symptoms and effects are described in the			
	labeling (see section 2.2) a				
4.3		ate medical attention and special treatment needed: No data available			
	-	•			
	FIGHTING MEASURES				
5.1	Extinguishing media				
		nedia: Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.			
5.2		from the substance or mixture: Carbon oxides, nitrogen oxides (NOx)			
5.3	Advice for firefighters: W	Vear self contained breathing apparatus for fire fighting if necessary.			
5.4	Further information: No o	data available			
	IDENTAL RELEASE MEASUR				
6.1		rotective equipment, and emergency procedure: Avoid dust formation. Avoid breathing vapors, mist or gas			
0.1					
~ ~	For personal protection se				
6.2	Environmental precautions: Do not let product enter drains.				
6.3 6.4		or containment and cleaning up: Sweep up and shovel. Keep in suitable, closed containers for disposal.			
J.4		<b>110.</b> 1 01 01000001 000 0001011 10.			
	DLING AND STORAGE				
7.1	Precautions for safe han	dling: Provide appropriate exhaust ventilation at places where dust is formed. For precautions, see section 2.2.			
7.2	Conditions for safe sto	prage, including any incompatibilities: Keep container tightly closed in a dry and well-ventilated place			
	Recommended storage ter	mperature: 2 - 8 °C Keep in a dry place.			
7.3		rt from the uses mentioned in section 1.2 no other specific uses are stipulated			
	OSURE CONTROLS/PERSON	IAL PROTECTION			
6.1 CO	ntrol parameters				
		lace control parameters Contains no substances with occupational exposure limit values.			
8.2 Exp	osure controls				
		controls General industrial hygiene practice.			
	Personal protective equi	pment			
		equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US			
	or EN 166(EU).				
		rith gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove			
		in contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws ar			
		an contact man and product. Dispose of contaminated gives after use in accordance with applicable laws at			

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good laboratory practices. Wash and dry hands. Body Protection Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific work-place., the type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

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**Respiratory protection** Respiratory protection is not required. Where protection from nuisance levels of dusts are desired, use type N95 (US) or type P1 (EN 143) dust masks. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Control of environmental exposure Do not let product enter drains.

9. PHY	SICAL AND CHEMICAL PROPERTIES				
9.1	Information on basic physical and chemical properties				
	a) Appearance	Form: White to Off-White powder			
	b) Odor	no data available			
	c) Odor Threshold	no data available			
	d) pH	no data available			
	e) Melting point/freezing point	no data available			
	<li>f) Initial boiling point and boiling range</li>	no data available			
	g) Flash point	no data available			
	h) Evaporation rate	no data available			
	i) Flammability (solid, gas)	no data available			
	j) Upper/lower flammability or explosive limits	no data available			
	k) Vapor pressure	no data available			
	I) Vapor density	no data available			
	<ul> <li>m) Relative density</li> </ul>	no data available			
	n) Water solubility	no data available			
	<ul> <li>o) Partition coefficient: n- octanol/water</li> </ul>	no data available			
	<ul> <li>p) Auto-ignition temperature</li> </ul>	no data available			
	<ul> <li>q) Decomposition temperature</li> </ul>	no data available			
	r) Viscosity	no data available			
	s) Explosive properties	no data available			
	t) Oxidizing properties	no data available			
9.2	Other safety information:	no data available			

## 10. STABILITY AND REACTIVITY

- 10.1 Reactivity: No data available
- 10.2 Chemical stability: Stable under recommended storage conditions.
- 10.3 Possibility of hazardous reactions: No data available
- 10.4 Conditions to avoid: No data available
- 10.5 Incompatible materials: Strong oxidizing agents
- 10.6 Hazardous decomposition products: Other decomposition products no data available. In the event of fire: see section 5

#### **11. TOXICOLOGICAL INFORMATION**

- 11.1 Information on toxicological effects
  - Acute toxicity: No data available
    - Inhalation: No data available
    - Dermal: No data available
    - Skin corrosion/irritation: No data available
    - Serious eye damage/eye irritation: No data available
    - Respiratory or skin sensitization: No data available
    - Germ cell mutagenicity: No data available
    - Carcinogenicity:
    - IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.
    - ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.
    - NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.
    - OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.
    - Reproductive toxicity: No data available
    - Specific target organ toxicity single exposure: No data available
    - Specific target organ toxicity repeated exposure: No data available
    - Aspiration hazard: No data available Additional Information: RTECS: Not available

#### 12. ECOLOGICAL INFORMATION

- 12.1 Toxicity: No data available
- 12.2 Persistence and degradability: No data available
- 12.3 Bioaccumulative potential: No data available
- 12.4 Mobility in soil: No data available
- 12.5 Results of PBT and vPvB assessment: PBT/vPvB assessment not available as chemical safety assessment not required/not conducted 12.6 Other adverse effects: No data available

#### 13. DISPOSAL CONSIDERATIONS 13.1 Waste treatment method

Waste treatment methods Product: Offer surplus and non-recyclable solutions to a licensed disposal company. Contaminated packaging: Dispose of as unused product.

### 14. TRANSPORT INFORMATION

DOT (US) Not dangerous goods IMDG Not dangerous goods

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IATA Not dangerous goods

## **15. REGULATORY INFORMATION**

SARA 302 Components						
SARA 302: No chemicals in this materi	SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.					
SARA 313 Components	SARA 313 Components					
	SARA 313: This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.					
SARA 311/312 Hazards: No SARA Ha	SARA 311/312 Hazards: No SARA Hazards					
Massachusetts Right to Know Comp	Massachusetts Right to Know Components: No components are subject to the Massachusetts Right to Know Act.					
Pennsylvania Right to Know Compo	Pennsylvania Right to Know Components					
Fmoc-D-Asp(OAllyl)-OH	CAS-No.	Revision Date				
	177609-12-0					
New Jersey Right to Know Compone	New Jersey Right to Know Components					
Fmoc-D-Asp(OAllyl)-OH	CAS-No.	Revision Date				
	177609-12-0					
California Prop. 65 Components	California Prop. 65 Components					
This product does not contain any cher	This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harn					
16. OTHER INFORMATION						

## R INFORMATION HMIS Rating Health hazard: 0 Chronic Health Hazard: Flammability: Physical Hazard 0 0 NFPA Rating Health hazard: Fire Hazard: Reactivity Hazard: 0 0

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The above information is believed to be correct, but does not purport to be all inclusive and shall be used only as a guide. CreoSalus, Inc. shall not be liable for any damage resulting in the handling or from contact with the above product.

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