Creosalus, Inc (Advanced ChemTech)

www.AdvancedChemTech.com

SAFETY DATA SHEET

Revision Date 06/25/2015

1. PROF	DUCT AND COMPANY IDEN	TIFICATION			
1.1	Product identifiers				
	Product name	: Fmoc-Ser-OH			
	Product Number	: FS2473			
	Brand	: Advanced ChemTech			
	CAS-No.	: 73724-45-5			
1.2	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				
1.5	Company	: Creosalus, Inc.			
	Company				
		5609 Fern Valley Rd, Louisville, KY 40228 USA			
	Telephone	: +1 800-456-1403			
	Fax	: +1 502-968-1000			
1.4	Emergency telephone n	umber : +1 800-424-9300 Chemtrec			
	ARDS IDENTIFICATION				
2.1	Classification of the substance or mixture: Not a hazardous substance or mixture.				
2.2	GHS Label elements, including precautionary statements: Not a hazardous substance or mixture.				
2.3	Hazards not otherwise classified (HNOC) or not covered by GHS – none				
	DOGITION (INFORMATION O	N INODEDIENTO			
	POSITION/INFORMATION O	N INGREDIEN I S			
3.1	Substances				
	Synonyms	: Fmoc-L-serine			
	Formula	: C ₁₈ H ₁₇ NO ₅			
	Molecular Weight	: 327.33/mole			
	CAS-No.	: 73724-45-5			
		lous according to OSHA criteria.			
		e disclosed according to the applicable regulations.			
	No components need to b	e disclosed according to the applicable regulations.			
4. FIRS	T AID MEASURES				
4.1	Description of first aid measures				
4.1	If inhaled: If breathed in, move person into fresh air. If not breathing, give artificial respiration.				
	In case of skin contact: Wash 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	Most important symptoms and effects, both acute and delayed: The most important known symptoms and effects are described in the				
	labeling (see section 2.2) and/or in section 11				
4.3		iate medical attention and special treatment needed: No data available			
	FIGHTING MEASURES				
5.1	Extinguishing media				
	Suitable extinguishing media: 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: Wear self contained breathing apparatus for fire fighting if necessary.				
5.4	Further information: No				
5.4	runner mormation. No				
6. ACCI	DENTAL RELEASE MEASU	RES			
6.1		protective equipment, and emergency procedure: Avoid dust formation. Avoid breathing vapors, mist or gas			
0.1	For personal protection se				
6.2					
6.2		ons: Do not let product enter drains.			
6.3		or containment and cleaning up: Sweep up and shovel. Keep in suitable, closed containers for disposal.			
6.4	Reference to other secti	ons: For disposal see section 13.			
7					
	DLING AND STORAGE	ndling: Drovide appropriate exhaust ventilation at places where dust is formed. Normal measures for preventing			
7.1		ndling: Provide appropriate exhaust ventilation at places where dust is formed. Normal measures for preventive			
	fire protection. For precau				
7.2	Conditions for safe ste	orage, including any incompatibilities: Keep container tightly closed in a dry and well-ventilated place			
	Recommended storage te	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			
	SURE CONTROLS/PERSO	VAL PROTECTION			
8.1	Control parameters				
	Components with works	place control parameters: Contains no substances with occupational exposure limit values.			
8.2	Exposure controls				
		controls: General industrial hydrene practice			
	Appropriate engineering controls: General industrial hygiene practice.				
	Personal protective equipment				
	Eye/face protection: Use equipment for eye protection tested and approved under appropriate government standards such as NIOSI				
	(US) or EN 166(EU).				
	Skin protection: Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's				
	outer surface) to avoid skin contact with this product to impose of contaminated gloves after use in accordance with applications and a surface in avoid skin contact with this product.				

Skin protection: Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

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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.

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. PHYSI	CAL 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	101 °C (214 °F) - Decomposes on heating.			
	f) Initial boiling point and boiling range	no data available			
	g) Flash point	no data available			
	h) Evaporation rate	no data available			
	i) Flammability (solid, gas)	no data available			
	i) Upper/lower flammability or explosive limits	no data available			
	k) Vapor pressure	no data available			
	I) Vapor density	no data available			
	m) Relative density	no data available			
	n) Water solubility	no data available			
	 Partition coefficient: n- octanol/water 	no data available			
	p) Auto-ignition temperature	no data available			
	g) Decomposition temperature	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
- Hazardous decomposition products: Other decomposition products no data available. In the event of fire: see section 5 10.6

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, to the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

12. ECOLOGICAL INFORMATION

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

13. DISPOSAL CONSIDERATIONS 13.1

Waste treatment methods

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

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14. TRANSPORT INFORMATION

DOT (US) Not dangerous goods IMDG Not dangerous goods IATA

Not dangerous goods

15. REGULATORY INFORMATION

 SARA 302 Components: SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

 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 Hazards

 Massachusetts Right to Know Components: No components are subject to the Massachusetts Right to Know Act.

 Pennsylvania Right to Know Components: No components are subject to the Massachusetts Right to Know Act.

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 Pennsylvania Right to Know Components

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 New Jersey Right to Know Components

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California Prop. 65 Components: This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

16. OTHER INFORMATION

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

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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