Creosalus, Inc (Advanced ChemTech ) www SAFETY DATA SHEET

www.AdvancedChemTech.com

Revision Date 08/18/2015

I. FRUL	DUCT AND COMPANY IDENTIFICAT	TION			
1.1	DUCT AND COMPANY IDENTIFICA	non			
	Product identifiers Product name	: Fmoc-Phe-OPfp			
	Product Number	: FF5425			
	Brand	: Advanced ChemTech			
	CAS-No.	: 86060-92-6			
1.2		substance or mixture and uses advised against			
1.2	Identified uses	: Laboratory chemicals, Manufacture of substances			
1.3	Details of the supplier of the safety data sheet				
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 number				
2. HAZ/	ARDS IDENTIFICATION				
2.1		or mixture: Not a hazardous substance or mixture.			
2.2	GHS Label elements, including	precautionary statements: Not a hazardous substance or mixture.			
2.3		d (HNOC) or not covered by GHS – none			
3. COM	POSITION/INFORMATION ON INGR	EDIENTS			
3.1	Substances				
	Synonyms	: Fmoc-L-phenylalanine pentafluorophenyl ester			
	, - , -	N-(9-Fluorenylmethoxycarbonyl)-L-phenylalanine pentafluorophenyl ester			
	Formula	: $C_{30}H_{20}F_5NO_4$			
	Molecular Weight	: 553.48g/mole			
	CAS-No.	: 86060-92-6			
	No ingredients are hazardous acc	cording to OSHA criteria.			
	No components need to be disclo	sed according to the applicable regulations.			
4. FIRS	T AID MEASURES				
4.1	Description of first aid measure	25			
		erson into fresh air. If not breathing, give artificial respiration.			
	In case of skin contact: Wash of				
	In case of eye contact: Flush eye				
		g 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				
	labeling (see section 2.2) and/or in				
4.3	labeling (see section 2.2) and/or in Indication of any immediate me	n section 11			
4.3 5. FIREI	labeling (see section 2.2) and/or in Indication of any immediate me FIGHTING MEASURES	n section 11			
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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. 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	Melting point/range: 149 - 151 °C (300 - 304 °F)			
	<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			
	m) Relative density	no data available			
	<ul> <li>n) Water solubility</li> </ul>	no data available			
	<ul> <li>o) Partition coefficient: n- octanol/water</li> </ul>	no data available			
	<ul> <li>Auto-ignition temperature</li> </ul>	no data available			
	<ul> <li>q) Decomposition temperature</li> </ul>	no data available			
	r) Viscosity	no data available			
	<ul> <li>s) Explosive properties</li> </ul>	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:

- No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed IARC: 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

- Toxicity: No data available 12.1
- Persistence and degradability: No data available Bioaccumulative potential: No data available 12.2
- 12.3
- Mobility in soil: No data available 12.4
- 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	s goods							
IMDG Not dangerous go	ods							
IATA Not dangerous goo	ods							
15. REGULATORY INFORMATION								
SARA 302 Components	5							
SARA 302: No chemicals	s in this material are subjec	t to the reporting requirements of SARA Title III, Section 302.						
SARA 313 Components	, ,							
		emical components with known CAS numbers that exceed the threshold (De Minimis)						
reporting levels establish	ed by SARA Title III, Section	on 313.						
SARA 311/312 Hazards	SARA 311/312 Hazards: No SARA Hazards							
•• • •• •• ••	Massachusetts Right to Know Components: No components are subject to the Massachusetts Right to Know Act.							
Massachusetts Right to								
Massachusetts Right to Pennsylvania Right to I								
		Revision Date						
Pennsylvania Right to I	Know Components							
Pennsylvania Right to I Fmoc-Phe-OPfp	Know Components CAS-No. 86060-92-6							
Pennsylvania Right to I	Know Components CAS-No. 86060-92-6							
Pennsylvania Right to I Fmoc-Phe-OPfp New Jersey Right to Kn	Know Components CAS-No. 86060-92-6 ow Components	Revision Date						
Pennsylvania Right to I Fmoc-Phe-OPfp New Jersey Right to Kn	Know Components CAS-No. 86060-92-6 iow Components CAS-No. 86060-92-6	Revision Date						

## 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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