Creosalus, Inc (Advanced ChemTech)

www.AdvancedChemTech.com

SAFETY DATA SHEET

Revision Date 08/20/2015

1. PRO	DUCT AND COMPANY IDEN	TIFICATION			
1.1	Product identifiers				
	Product name	: Fmoc-D-Hfe-OH			
	Product Number	: FF7155			
	Brand	Advanced ChemTech			
	CAS-No.	: 135944-09-1			
1.2		of the substance or mixture and uses advised against			
1.2					
	Identified uses : Laboratory chemicals, Manufacture of substances				
1.3	Details of the supplier of				
	Company	: Creosalus, Inc.			
		5609 Fern Valley Rd, Louisville, KY 40228 USA			
	Telephone	: +1 800-456-1403			
	Fax	: +1 502-968-1000			
1.4	Emergency telephone no	umber : +1 800-424-9300 Chemtrec			
2 447	ARDS IDENTIFICATION				
2.1		stance or mixture. Not a bazardous substance or mixture			
	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				
3. COM	POSITION/INFORMATION O	N INGREDIENTS			
3.1	Substances				
	Synonyms	: (R)-2-(Fmoc-amino)-4-phenylbutyric acid			
	2,	Fmoc-D-homophenylalanine			
	Formula	: $C_{25}H_{23}NO_4$			
	Molecular Weight	: 401.45g/mole			
	CAS-No.	: 135944-09-1			
	No components need to b	e disclosed according to the applicable regulations.			
	T AID MEASURES				
4.1	Description of first aid measures				
		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 eve contact: F	lush 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				
4.2					
4.3	labeling (see section 2.2)	iate medical attention and special treatment needed: No data available			
4.3	indication of any inimed	ate metical attention and special freatment needed. No data available			
5. FIRE	FIGHTING MEASURES				
5.1	Extinguishing media				
0.1		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		Vear self contained breathing apparatus for fire fighting if necessary.			
5.4	Further information: No				
6 400	IDENTAL RELEASE MEASU				
6.1					
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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. 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 9.1	SICAL AND CHEMICAL PROPERTIES Information on basic physical and chemical pro	nortios
5.1	a) Appearance	Form: White crystalline 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
	f) Initial boiling point and boiling range	no data available
	q) 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
	n) Water solubility	no data available
	 Partition coefficient: n- octanol/water 	no data available
	 Auto-ignition temperature 	no data available
	 d) Decomposition temperature 	no data available
	r) Viscosity	no data available
	s) Explosive properties	no data available
	t) Oxidizing properties	no data available
9.2	Óther 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

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
- 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 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

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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 Components SARA 313 Chis 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 Fmoc-D-Hfe-OH CAS-No. **Revision Date** 135944-09-1 New Jersey Right to Know Components Fmoc-D-Hfe-OH CAS-No. **Revision Date** 135944-09-1 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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