Creosalus, Inc (Advanced ChemTech) www.AdvancedChemTech.com SAFETY DATA SHEET

Revision Date 12/28/2017

1. PRO	DUCT AND COMPANY IDENTIFICA	TION			
1.1	Product identifiers				
	Product name	: Fmoc-D-4-Pal-OH			
		: FX5140			
	Product Number				
	Brand	: Advanced ChemTech			
	CAS-No.	: 205528-30-9			
1.2	Relevant identified uses of the Identified uses	substance or mixture and uses advised against			
	: Laboratory chemicals, Manufacture of substances				
1.3	Details of the supplier of the safety data sheet				
	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	: +1 800-424-9300 Chemtrec			
2. HAZA	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		ed (HNOC) or not covered by GHS – none			
		· · · · · · · · · · · · · · · · · · ·			
	POSITION/INFORMATION ON INGE	REDIENTS			
3.1	Substances				
	Formula	: C23H20N2O4			
	Molecular Weight	: 388.14g/mole			
	CAS-No.	205528-30-9			
	No ingredients are hazardous acc				
	No components need to be disclosed according to the applicable regulations.				
4. FIRS	T AID MEASURES				
4.1	Description of first aid measure	25			
	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 anythin	g by mouth to an unconscious person. Rinse mouth with water.			
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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. PHYSICAL 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		
	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		
	 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		
	p) Auto-ignition temperature	no data available		
	 q) 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

- Reactivity: No data available 10.1
- Chemical stability: Stable under recommended storage conditions. 10.2
- 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

- Information on toxicological effects 11.1
 - 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

- 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

- Waste treatment methods 13.1
 - 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: 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 Fmoc-D-4-Pal-OH CAS-No. **Revision Date** 205528-30-9 New Jersey Right to Know Components Fmoc-D-4-Pal-OH **Revision Date** CAS-No. 205528-30-9 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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