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

Revision Date 05/12/2015

1. PRO	DUCT AND COMPANY IDENTIFICA	TION
1.1	Product identifiers	
	Product name	: Fmoc-N-Me-Thr(tBu)-OH
	Product Number	: FT2161
	Brand	: Advanced ChemTech
	CAS-No.	: 117106-20-4
1.2		substance or mixture and uses advised against
	Identified uses	: Laboratory chemicals, Manufacture of substances
1.3	Details of the supplier of the sa	fety data sheet
	Company	: Čreosalus, Inc.
		5609 Fern Valley Rd, Louisville, KY 40228 USA
	Telephone	: +1 800-456-1403
	Fax	:+1 502-968-1000
1.4	Emergency telephone number	
	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	Hazards not otherwise classifie	d (HNOC) or not covered by GHS - none
2 COM	IPOSITION/INFORMATION ON INGR	
3. COM 3.1	Substances	EDIEN 15
	Synonyms	: Fmoc-N-methyl-O-tert-butyl-L-threonine
	Formula	$: C_{24}H_{29}NO_5$
	Molecular Weight	: 411.49g/mole
	CAS-No.	: 117106-20-4
	No components need to be disclo	sed according to the applicable regulations.
	T AID MEASURES	
4. гікэ 4.1	Description of first aid measure	
4.1		erson into fresh air. If not breathing, give artificial respiration.
	In case of skin contact: Wash o	
	In case of eye contact: Flush ey	
	If swallowed: Never give anythin	
		g by mouth to an unconscious person. Rinse mouth with water.
4.2	Most important symptoms and	g by mouth to an unconscious person. Rinse mouth with water. effects, both acute and delayed
4.2		effects, both acute and delayed
	The most important known sympt	
4.3	The most important known sympt Indication of any immediate me	effects, both acute and delayed ons and effects are described in the labeling (see section 2.2) and/or in section 11
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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	perties
•••	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: 220 - 225 °C (428 - 437 °F)
	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
	 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
).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, 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

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DOT (US)

Not dangerous goods
IMDG
Not dangerous goods
IATA
Not dangerous goods

15. REGULATORY INFORMATION

 CARC NO-CRIMENTOR

 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
 CAS-No.

 Revision Date
 117106-20-4

 New Jersey Right to Know Components
 CAS-No.

 Fmoc-N-Me-Thr(tBu)-OH
 CAS-No.

 Revision Date
 117106-20-4

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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