Creosalus, Inc (Advanced ChemTech)

) www.AdvancedChemTech.com SAFETY DATA SHEET

Revision Date 06/10/2018

		Revision Date 00/10/2016			
1. PRO	DUCT AND COMPANY IDENTI	FICATION			
1.1	Product identifiers				
•••	Product name	: Fmoc-Orn(Aloc)-OH			
		: FO2596			
	Product Number				
	Brand	: Advanced ChemTech			
	CAS-No.	: 147290-11-7			
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 the	ne safety data sheet			
	Company	: Creosalus, Inc.			
		5609 Fern Valley Rd, Louisville, KY 40228 USA			
	Telephone	: +1 800-456-1403			
	Fax	+1 502-968-1000			
1.4		iber : +1 800-424-9300 Chemtrec			
	Emergency telephone num				
	ARDS IDENTIFICATION				
2.1	Classification of the substance or mixture: Not a hazardous substance or mixture.				
2.2	GHS Label elements, inclu	ding precautionary statements: Not a hazardous substance or mixture.			
2.3	Hazards not otherwise clas	ssified (HNOC) or not covered by GHS - none			
3. COMI 3.1	POSITION/INFORMATION ON Substances	INGREDIEN 19			
3.1					
	Synonyms	: Nα-Fmoc-Nδ-Aloc-L-ornithine			
	Formula	$: C_{24}H_{26}N_2O_6$			
	Molecular Weight	: 438.47 g/mole			
	CAS-No.	: 147290-11-7			
	No ingredients are hazardou	s according to OSHA criteria.			
	No components need to be o	disclosed according to the applicable regulations.			
	T AID MEASURES				
4.1	Description of first aid measures				
	If inhaled: If breathed in, move person into fresh air. If not breathing, give artificial respiration.				
	In case of skin contact: Wa	ash off with soap and plenty of water.			
	In case of eye contact: Flush eyes with water as a precaution.				
		ything 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		e medical attention and special treatment needed: No data available			
4.0	indication of any initicata				
5. FIRE	FIGHTING MEASURES				
5.1	Extinguishing media				
0.1		dia: Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.			
5.2		m the substance or mixture: Carbon oxides, nitrogen oxides (NOx)			
5.3		ar self contained breathing apparatus for fire fighting if necessary.			
5.4	Further information: No da	ta available			
	DENTAL RELEASE MEASURE	·····			
6.1		tective equipment, and emergency procedure: Avoid dust formation. Avoid breathing vapors, mist or gas.			
0.1	For personal protection see section 8.				
6.0					
6.2		s: Do not let product enter drains.			
6.3		containment and cleaning up: Sweep up and shovel. Keep in suitable, closed containers for disposal.			
6.4	Reference to other section	s: For disposal see section 13.			
7	DLING AND STORAGE				
7.1		ling: Provide appropriate exhaust ventilation at places where dust is formed. Normal measures for preventive			
	fire protection. For precautio				
7.2	Conditions for safe stora	age, including any incompatibilities: Keep container tightly closed in a dry and well-ventilated place.			
	Recommended storage tem	perature: 2 - 8 °C			
7.3	Specific end use(s): Apart	from the uses mentioned in section 1.2 no other specific uses are stipulated			
	DSURE CONTROLS/PERSONA	L PROTECTION			
8.1	Control parameters				
		ce control parameters: Contains no substances with occupational exposure limit values.			
8.2	Exposure controls				
		ontrols: General industrial hygiene practice.			
	Personal protective equip				
	Eye/face protection: Use equipment for eve protection tested and approved under appropriate government standards such as NIOSH				
	(US) or EN 166(EU).				
		h aloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching alove's			

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. 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

- 10.1 Reactivity: No data available
- 10.2 Chemical stability: Stable under recommended storage conditions.
- 10.3 Possibility of hazardous reactions: No data available
- Conditions to avoid: No data available 10.4
- 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

12. ECOLOGICAL INFORMATION

12.1 Toxicity: No data available

- Persistence and degradability: No data available 12.2
- 12.3 Bioaccumulative potential: No data available
- 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 Fmoc-Orn(Aloc)-OH CAS-No. **Revision Date** 147290-11-7 New Jersey Right to Know Components Fmoc-Orn(Aloc)-OH CAS-No. **Revision Date** 147290-11-7 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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