Reagents, LLC. (Advanced ChemTech) www.AdvancedChemTech.com SAFETY DATA SHEET

Revision Date 03/03/2023

		Revision Date 03/03/202			
1. PRO	DUCT AND COMPANY IDENT	ICATION			
1.1	Product identifiers				
	Product name	: Boc-Orn(Fmoc)-OH			
	Product Number	: BO2650			
	Brand	: Advanced ChemTech			
	CAS-No.	: 2480-93-5			
1.2		the substance or mixture and uses advised against			
	Identified uses : Laboratory chemicals, Manufacture of substances				
1.3	Details of the supplier of t				
	Company	: Reagents, LLC.			
	Talaabaaa	5609 Fern Valley Rd, Louisville, KY 40228 USA			
	Telephone Fax	: +1 800-456-1403 : +1 502-968-1000			
1.4		ber :+1 800-424-9300 Chemtrec			
0 114 7					
2. на <i>сі</i> 2.1	ARDS IDENTIFICATION 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				
2 COM	POSITION/INFORMATION ON				
3. COM 3.1	Substances	YOREDIEN I S			
	Synonyms	: Nα-Boc-Nδ-Cbz-L-ornithine			
	Formula	$: C_{18}H_{26}N_2O_6$			
	Molecular Weight	: 366.4 g/mole			
	CAS-No.	: 2480-93-5			
	No ingredients are hazardo	according to OSHA criteria.			
	No components need to be	isclosed according to the applicable regulations.			
4.2	Most important symptoms labeling (see section 2.2) and				
4.3	Indication of any immedia	e medical attention and special treatment needed: No data available			
5. FIRE	FIGHTING MEASURES				
5.1					
	Suitable extinguishing media: Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.				
5.2	Special hazards arising fr	n the substance or mixture: Carbon oxides, nitrogen oxides (NOx)			
5.3		r self contained breathing apparatus for fire fighting if necessary.			
5.4	Further information: No da	a available			
6. ACCI	DENTAL RELEASE MEASUR	3			
6.1	Personal Precautions, protective equipment, and emergency procedure: Avoid dust formation. Avoid breathing vapors, mist or gas				
	For personal protection see section 8.				
6.2	Environmental precautions: Do not let product enter drains.				
6.3 6.4		containment and cleaning up: Sweep up and shovel. Keep in suitable, closed containers for disposal. For disposal see section 13.			
0.4					
	DLING AND STORAGE				
7.1	fire protection. For precaution	ing: Provide appropriate exhaust ventilation at places where dust is formed. Normal measures for preventives see section 2.2			
7.2		ge, including any incompatibilities: Keep container tightly closed in a dry and well-ventilated place			
• •=	Recommended storage terr				
7.3	5	om the uses mentioned in section 1.2 no other specific uses are stipulated			
8 FYD	SURE CONTROLS/PERSON	PROTECTION			
6. EAPC 8.1	Control parameters				
		e control parameters: Contains no substances with occupational exposure limit values.			
8.2	Exposure controls				
		ntrols: General industrial hygiene practice.			
		Personal protective equipment			
	Everace protection: Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH				
	(US) or EN 166(EU).				
	Skin protection: Handle w	gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove			

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.

9.1	SICAL AND CHEMICAL PROPERTIES 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
- **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

- 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

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.

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14. TRANSPORT INFORMATION

- DOT (US) Not dangerous goods IMDG
- Not dangerous goods ΙΑΤΑ 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 Boc-Orn(Z)-OH CAS-No. **Revision Date** 2480-93-5 New Jersey Right to Know Components Boc-Orn(Z)-OH Revision Date CAS-No. 2480-93-5 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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