Creosalus, Inc (Advanced ChemTech)

# ) www.AdvancedChemTech.com SAFETY DATA SHEET

Revision Date 08/04/2016

		Revision Date 00/04/2010			
1. PRO	DUCT AND COMPANY IDENTIFICA	TION			
1.1	Product identifiers				
	Product name	: Boc-Ser(Bzl)-OH			
	Product Number	BS2476			
	Brand	: Advanced ChemTech			
	CAS-No.	: 23680-31-1			
1.2		substance or mixture and uses advised against			
1.2	Identified uses	: Laboratory chemicals, Manufacture of substances			
4.0					
1.3	Details of the supplier of the sa				
	Company	: Creosalus, Inc.			
	<b>T</b> 1 1 1 1 1 1	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 HAZ	ARDS IDENTIFICATION				
2.1		or mixture: Not a hazardous substance or mixture.			
2.2		precautionary statements: Not a hazardous substance or mixture.			
2.3		ed (HNOC) or not covered by GHS – none			
2.5					
3. COM	POSITION/INFORMATION ON ING	REDIENTS			
3.1	Substances				
	Synonyms	: Boc-O-benzyl-L-serine			
	Formula	$C_{15}H_{21}NO_5$			
	Molecular Weight	: 295.34g/mole			
	CAS-No.	: 23680-31-1			
	No ingredients are hazardous ac				
	No components need to be disclo	osed according to the applicable regulations.			
	T AID MEASURES				
4.1	Description of first aid measures				
		erson into fresh air. If not breathing, give artificial respiration.			
	In case of skin contact: Wash of				
	In case of eye contact: Flush eyes with water as a precaution.				
	If swallowed: Never give anythir	ng 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		edical attention and special treatment needed: No data available			
	FIGHTING MEASURES				
5.1	Extinguishing media				
	Suitable extinguishing media:	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.			
5.2	Special hazards arising from the	ne substance or mixture: Carbon oxides, nitrogen oxides (NOx)			
5.3		If contained breathing apparatus for fire fighting if necessary.			
5.4	Further information: No data av				
6. ACC	IDENTAL RELEASE MEASURES				
6.1	Personal Precautions, protect	ive equipment, and emergency procedure: Avoid dust formation. Avoid breathing vapors, mist or gas			
	For personal protection see secti				
6.2	Environmental precautions: Do				
6.3		tainment and cleaning up: Sweep up and shovel. Keep in suitable, closed containers for disposal.			
6.4	Reference to other sections: Fo				
0.4					
7. HAN	DLING AND STORAGE				
7.1	Precautions for safe handling:	Provide appropriate exhaust ventilation at places where dust is formed. Normal measures for preventive			
	fire protection. For precautions, s				
7.2		including any incompatibilities: Keep container tightly closed in a dry and well-ventilated place			
	Recommended storage temperat				
7.3		the uses mentioned in section 1.2 no other specific uses are stipulated			
-					
8. EXP	OSURE CONTROLS/PERSONAL PR	ROTECTION			
	ntrol parameters				
		ontrol parameters Contains no substances with occupational exposure limit values.			
8.2 Exp	osure controls	• • • • • • • • • • • • • • • • • • •			
		ols General industrial hygiene practice.			
	Personal protective equipment				
		nent for eve protection tested and approved under appropriate government standards such as NIOSH (US			
	or FN 166(FU)				

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).

no data available

no data available

no data available

no data available

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			
	<ul> <li>e) Melting point/freezing point</li> </ul>	no data available			
	<li>f) Initial boiling point and boiling range</li>	no data available			
	g) Flash point	no data available			
	<ul> <li>h) Evaporation rate</li> </ul>	no data available			
	<ol> <li>Flammability (solid, gas)</li> </ol>	no data available			
	<ul> <li>j) Upper/lower flammability or explosive limits</li> </ul>	no data available			
	k) Vapor pressure	no data available			
	I) Vapor density	no data available			
	<ul> <li>m) Relative density</li> </ul>	no data available			
	n) Water solubility	no data available			
	<ul> <li>Partition coefficient: n- octanol/water</li> </ul>	no data available			
	p) Auto-ignition temperature	no data available			
	<ul> <li>d) Decomposition temperature</li> </ul>	no data available			

r) Viscosity s) Explosive properties

#### t) Oxidizing properties 9.2

# Other safety information:

#### **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
- 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**
- 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 12.2
- Bioaccumulative potential: No data available 12.3
- 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

- Waste treatment methods 13.1
  - Product: Offer surplus and non-recyclable solutions to a licensed disposal company.

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Contaminated packaging: Dispose of as unused product.

## 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 R	now Components				
Boc-Ser(Bzl)-OH	CAS-No.	Revision Date			
	23680-31-1				
New Jersey Right to Know Components					
Boc-Ser(Bzl)-OH	CAS-No.	Revision Date			
	23680-31-1				

## 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:	0
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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