Creosalus, Inc (Advanced ChemTech)

www.AdvancedChemTech.com

SAFETY DATA SHEET

Revision Date 07/01/2015

	DUCT AND COMPANY IDENTIFICAT	TION		
1.1	Product identifiers			
	Product name	: PyBrOP		
	Product Number	: RC8109		
	Brand	: Advanced ChemTech		
	CAS-No.	: 132705-51-2		
.2	Relevant identified uses of the	substance or mixture and uses advised against		
	Identified uses : Laboratory chemicals, Manufacture of substances			
.3	Details of the supplier of the sat	fety 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	Emergency telephone number	: +1 800-424-9300 Chemtrec		
2. HAZ	ARDS IDENTIFICATION			
2.1	Classification of the substance	or mixture:		
	GHS Classification in accordant	ce with 29 CFR 1910 (OSHA HCS)		
	Skin corrosion (Category 1B), H31	14		
	Serious eye damage (Category 1)	, H318		
	For the full text of the H-Statemen	ts mentioned in this Section, see Section 16		
2.2	GHS Label elements, including	precautionary statements:		
	Pictogram			
		▲		
	Signal word	Danger		
	Hazard statement(s)	Danger		
	H314	Causes severe skin burns and eye damage.		
	Precautionary statement(s)	Causes severe skin burns and eye damage.		
	P260	Do not breathe dust or mist.		
	P264	Wash skin thoroughly after handling.		
	P280	Wash skin thoroughly after handling. Wear protective gloves/ protective clothing/ eye protection/ face protection.		
	P301 + P330 + P331	IF SWALLOWED: rinse mouth. Do NOT induce vomiting.		
	P301 + P330 + P331 P303 + P361 + P353			
	P303 + P301 + P353	IF ON SKIN (or hair): Remove/ Take off immediately all contaminated clothing. Rinse skir		
	D204 - D240	with water/ shower.		
	P304 + P340	IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable fo		
	D005 D054 D000	breathing.		
	P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, i		
	50/0	present and easy to do. Continue rinsing.		
	P310	Immediately call a POISON CENTER or doctor/ physician.		
	P321	Specific treatment (see supplemental first aid instructions on this label).		
	P363	Wash contaminated clothing before reuse.		
	P405	Store locked up.		
	P501			
	Dispose of contents/ container to an approved waste disposal plant			
2.3	Hazards not otherwise classifie	d (HNOC) or not covered by GHS – none		
	IPOSITION/INFORMATION ON INGR	EDIENTS		
3.1	Substances			
	Formula	: C ₁₂ H ₂₄ BRF ₆ N ₃ P ₂		
	Molecular Weight	: 466.18g/mole		
	CAC No.	12070E E1 0		

CAS-No. : 132705-51-2

Hazardous Components Component Classification Concentration Bromo-tris-pyrrolidino-phosphonium hexafluorophosphate Skin Corr. 1B; Eye Dam. 1; H314 -

For the full text of the H-Statements mentioned in this Section, see Section 16

4. FIRST AID MEASURES

4.1 Description of first aid measures

General advice: Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area

If inhaled: If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician. In case of skin contact: Take off contaminated clothing and shoes immediately. Wash off with soap and plenty of water. Consult a

physician. In case of eye contact: Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician. Continue rinsing eyes during transport to hospital. If swallowed: Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse

mouth with water. Consult a physician.

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

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4.3 Indication of any immediate medical attention and special treatment needed: No data available

5. FIREFIGHTING MEASURES

Extinguishing media 5.1

Suitable extinguishing media: Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

- 5.2 Special hazards arising from the substance or mixture: Carbon oxides, nitrogen oxides (NOx), Oxides of phosphorus, Hydrogen bromide gas, Hydrogen fluoride
- Advice for firefighters: Wear self-contained breathing apparatus for fire fighting if necessary. 5.3
- 5.4 Further information: No data available

6. ACCIDENTAL RELEASE MEASURES

- Personal Precautions, protective equipment, and emergency procedure Use personal protective equipment. Avoid dust formation. 6.1 Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas. Avoid breathing dust. For personal protection see section 8
- 6.2 Environmental precautions: Do not let product enter drains.
- Methods and materials for containment and cleaning up: Pick up and arrange disposal without creating dust. Sweep up and shovel. 6.3 Keep in suitable, closed containers for disposal.
- Reference to other sections: For disposal, see section 13. 6.4

7. HANDLING AND STORAGE

- 7.1 Precautions for safe handling: Avoid formation of dust and aerosols. Provide appropriate exhaust ventilation at places where dust is formed. For precautions see section 2.2.
- Conditions for safe storage, including any incompatibilities: Keep container tightly closed in a dry and well-ventilated place. 7.2 Recommended storage temperature: -20 °C Store under inert gas. Moisture sensitive Specific end use(s): Apart from the uses mentioned in section 1.2 no other specific uses are stipulated
- 7.3

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

Components with workplace control parameters: Contains no substances with occupational exposure limit values.

8.2 Exposure controls

Appropriate engineering controls: Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

Personal protective equipment

Eye/face protection: Face shield and safety glasses Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

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.

Body Protection: Complete suit protecting against chemicals, The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Respiratory protection: Where risk assessment shows air-purifying respirators are appropriate use a full-face particle respirator type N100 (US) or type P3 (EN 143) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. 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

1130	IT SICAL AND CHEMICAL FROFER HES							
	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						
	Other safety information:	no data available						

10. STABILITY AND REACTIVITY

10.1 Reactivity: No data available

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

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9.1

9.2

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 Material is extremely destructive to tissue of the mucous membranes and upper respiratory tract, eyes, and skin., spasm, inflammation and edema of the larynx, spasm, inflammation and edema of the bronchi, pneumonitis, pulmonary edema, burning sensation, Cough, wheezing, laryngitis, Shortness of breath, Headache, Nausea

12. ECOLOGICAL INFORMATION

- Toxicity: No data available 12.1
- Persistence and degradability: No data available 12.2
- 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

Waste treatment methods 13.1

Product: Offer surplus and non-recyclable solutions to a licensed disposal company. Contact a licensed professional waste disposal service to dispose of this material. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber.

Contaminated packaging: Dispose of as unused product.

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: Acute Health Hazard								
Massachusetts Right to Know Components: No components are subject to the Massachusetts Right to Know Act.								
Pennsylvania Right to Know Components								
PyBrOP	CAS-No.	Revision Date						
	132705-51-2							
New Jersey Right to Know Components								
PyBrOP	CAS-No.	Revision Date						
	132705-51-2							

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

Full text of H-Statements referred to under sections 2 and 3.				
Eye Dam.	Serious eye damage			
H314	Causes severe skin burns and eye damage.			
H318	Causes serious eye damage.			
Skin Corr.	Skin corrosion			
HMIS Rating				
Health hazard:	3			
Chronic Health Hazard:				
Flammability:	0			
Physical Hazard	0			
NFPA Rating				
-				

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Health hazard:	3
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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