



MATERIAL SAFETY DATA SHEET

1. Identification of the Product and the Company

O'B FLOC PAC 100

Zinkan Enterprises, Inc.

1919 Case Parkway North

Twinsburg, Ohio 44087

Tel: 1-800-229-6801 Fax: 1-330-425-8202

Emergency Contact: Infotrac 1-800-535-5053

2. Composition/ Information On Ingredients

Components	CAS Number	OSHA/PEL	ACGIH/TLV	Weight
Aluminum chloride hydroxide sulfate	39290-78-3		2mg/m3 as AL	<80%
Cationic Polymer	Proprietary			0-10%

3. Hazards Identification

skin irritation, eye burns

4. First Aid Measures

Inhalation:	Move to fresh air.
Skin Contact:	Wash off immediately with soap and plenty of water. Remove contaminated clothing wash before reuse.
Eye Contact:	Immediately flush eyes for 15 minutes with plenty of water. Call a physician
Ingestion:	DO NOT INDUCE VOMITING. Give large quantities of water, then an antacid. Never give anything by mouth to an unconscious individual. Call a physician

5. Fire-Fighting Measures

Suitable extinguishing media:	Base selection on source of fire
Special fire-fighting precautions:	In a fire situation, may liberate oxides of nitrogen or carbon and hydrogen chloride
Protective equipment for firefighters:	Self-contained breathing apparatus and full protective clothing

6. Accidental Release Measures

Personal precautions:	Eyewashes and safety showers are recommended.
Methods for cleaning up:	Clean up material with inert absorbent material. Do not flush with water. After cleaning, flush traces with water.

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7. Handling and Storage

Handling:	Avoid contact with skin and eyes. Ensure there is adequate ventilation. Do not smoke.
Storage:	Keep container closed when not in use. Make sure there is adequate ventilation. Keep in cool dry place. Freezing can affect physical properties and may damage the material.

8. Exposure Controls/ Personal Protection

Engineering controls:	Use local exhaust if misting occurs. Natural ventilation is normally adequate.
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Personal Protection Equipment

Respiratory Protection:	In case of insufficient ventilation wear suitable respiratory equipment.
Hand Protection:	Rubber gloves.
Eye Protection:	Safety glasses with side-shields. Do not wear contact lenses.
Skin Protection:	Chemical resistant apron or suit if splashing of solution is likely.
Hygiene Measures:	Wash hands before breaks and immediately after handling product. Handle in accordance with good industrial hygiene and safety practice.

9. Physical and Chemical Properties

Form:	Liquid
Color:	Water white to yellow liquid
Odor:	Slight musty odor to no odor.
pH:	Approx. 3
Melting Point (°F):	12°F
Flash Point (°C):	> 100°C.
Autoignition Temperature (°C):	> 200°C
Vapor Pressure (mm Hg):	20 @ 20°C .
Water Solubility:	Completely miscible

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10. Stability and Reactivity	
Stability:	Product is stable, no hazardous polymerization will occur Oxidizing agents may cause exothermic reactions.
Hazardous Decomposition products:	Thermal decomposition may produce: carbon oxides (COx), nitrogen oxides (NOx), and hydrogen chloride gas.
11. Toxicological Information	
<u>Acute Toxicity</u>	
Oral:	LD50/oral/rat > 12000 mg/kg.
Dermal:	The results of testing on rabbits showed this material to be non-toxic even at high dose levels
Inhalation:	This product is not expected to be toxic by inhalation.
<u>Irritation</u>	
Skin:	May cause irritation Chronic exposure may cause redness and dermatitis.
Eyes:	Causes irritation and burns on contact
Sensitization:	The results of testing showed this product to be non-sensitizing.
Chronic Toxicity:	NOEL / Oral / rat / 90-day = 5000 mg/kg Two-year feeding studies on rats and dogs did not reveal any adverse health effects.
12. Ecological Information	
Fish:	LC50/Danio rerio/96 hr > 100 mg/L. (OECD 203) (Based on results obtained from tests of analogous products)
Algae:	Algal inhibition tests are not appropriate. The flocculating characteristics of the product interfere directly in the test medium preventing homogenous distribution invalidating the test.
Daphnia:	EC50 /Daphnia magna/48 hr > 100 mg/L. (OECD 202) (Based on results obtained from tests of analogous products)
Bioaccumulation:	Does not bioaccumulate.
Persistence/ Degradability:	Not readily biodegradable
13. Disposal Considerations	
Waste from residues/ Unused products:	In accordance with federal, state and local regulations
Contaminated Packaging:	Rinse empty containers with water and use the rinse water to prepare the working solution Can be landfilled or incinerated, when in compliance with local regulations.
14. Transport Information	
	Corrosive liquid, acidic, inorganic, n.o.s. (contains aluminum chloride hydroxide sulfate), 8, UN3264, III, ERG 154 Cleaning compound Liquid NMFC: 48580.03

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15. Regulatory Information

All components of this product are on the TSCA and DSL inventories.

RCRA status: If disposed of as shipped.

Hazardous waste number: D002

Reportable quantity (40 CFR 302): Not applicable.

Threshold planning quantity (40 CFR 355): Not applicable.

California Proposition 65 information: Not applicable

HMIS & NFPA Ratings	HMIS	NFPA
Health:	1	1
Flammability:	0	1
Reactivity:	1	0
Personal Protection:	B	

16. Other Information

Person to contact: Regulatory Affairs Manager

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release, and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process unless specified in the text.