

MATERIAL SAFETY DATA SHEET

1. Identification of the Product and the Company

(formerly Zinkan O'B ALGE 105 s/a AQUACAR DB 5)

Zinkan Enterprises, Inc.
1919 Case Parkway North
Twinsburg, Ohio 44087

[Tel:1-800-229-6801](tel:1-800-229-6801)

[Fax: 330-425-8202](tel:330-425-8202)

Emergency Contact :Infotrac 1-800-535-5053

2. Composition/ Information On Ingredients

Components	CAS Number	OSHA/PEL	ACGIH/TLV	Weight
2, 2-Dibromo-3-Nitrilo-Propionamide	10222-01-2			<10%
Polyethylene Glycol Mix	25322-68-3	0.2mg/m3		<50%

3. Hazards Identification

Vapors may cause discomfort and irritation. Avoid contact with skin, eyes, and clothing.

4. First Aid Measures

Move to fresh air. If symptoms persist, get immediate medical attention.

Skin Contact: Wash off immediately with soap and plenty of water. Remove contaminated clothing.

If redness persists, see a physician. May cause severe burns.

Eye Contact: Rinse thoroughly with plenty of water. In case of persistent eye irritation, consult a physician. May cause severe burns.

Ingestion: If conscious, induce vomiting by giving 2-4 cups of water, by sticking finger down throat, and get immediate medical attention.

5. Fire-Fighting Measures

Suitable extinguishing media: Base selection on source of fire.

Special fire-fighting precautions: Water, foam, carbon dioxide or dry chemical. Water should be used to cool surrounding containers.

Protective equipment for firefighters: Self-contained breathing apparatus and protective clothing.

6. Accidental Release Measures

Personal precautions: No special precautions required.

Environmental precautions: This product is toxic to fish, keep out of waterways. Recover as much pure product as possible for reuse. Add excess of soda ash and shovel into drums. Small amounts may be flushed to municipal sewer system.

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for cleaning up: Vacuum or pump spill into appropriate container. After removal flush with plenty of water.

7. Handling and Storage

Avoid contact with skin and eyes. Ensure there is adequate ventilation. Do not smoke. Do not store in steel container. Wash hands after handling material.

Storage: Keep container closed when not in use. Make sure there is adequate ventilation. Protect from freezing. Flush contaminated equipment before repair.

8. Exposure Controls/ Personal Protection
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Engineering controls: Use local exhaust if misting occurs. Natural ventilation is adequate in absence of mists.

Personal Protection Equipment

Respiratory Protection: If insufficient ventilation, use filter type mask for organic gases and vapors.

Hand Protection: Rubber gloves, neoprene or Buna-N.

Eye Protection: Safety goggles. Full face shield may be desired to protect face. Do not wear contact lenses.

Skin Protection: Chemical resistant apron or suit if splashing of any solution is likely.

Hygiene Measures: Wash hands before breaks and immediately after handling product. Handle in accordance with good industrial hygiene and safety practice. Have safety shower and eyewash nearby.

9. Physical and Chemical Properties
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Form:	Liquid.
Appearance:	Pale yellow to amber.
Odor:	Mild to slight anesthetic odor.
Solubility:	100% @25°C
Melting Point (°C):	N/A
Flash Point (°C):	93°C TCC.
Auto-ignition Temperature (°C):	Does not ignite.
Vapor Pressure (mm Hg):	N/A.
Specific Gravity:	1.14-1.17.

10. Stability and Reactivity

Product is stable, no hazardous polymerization will occur. Avoid contact with strong acids, alkalis, high storage temperature and moisture.

Hazardous decomp: Thermal decomposition may produce: carbon oxides, nitrogen oxides **products** (NOx) and sulfur. Avoid heat greater than 89°C. When burned, decomposes into bromine, cyanogen bromide and dibromoacetonitrile.

11. Toxicological Information

Acute Toxicity None available on this product.

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Irritation

Skin: May cause skin irritation with susceptible persons.
Eyes: May cause eye irritation with susceptible persons.
Sensitization: The product is expected to be sensitizing.
Chronic Toxicity: Prolonged skin contact may produce dermatitis.

12. Ecological Information

Fish: Not available.
Persistence/ Degradability: Do not allow product to enter soil or waterways: follow proper filling and discharging laws.

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 land-filled or incinerated, when in compliance with local regulations.

14. Transport Information

DOT (Department of Transportation) Cleaning compound, Liquid, Not Regulated.
NMFC 48580.03

15. Regulatory Information

United States
Sara Section 311/312: Fire: No, pressure generating: No, Reactivity: No. Acute: No, Chronic: No
Sara Sections: Section 313. Notification: No. This product contains no SARA Title III, Section 313 listed chemicals.
TSCA(Toxic Substance Control Act TSCA Inventory. Notification: Yes. All ingredients listed on TSCA *Inventory.*
California Proposition 65 Notification: No. This product does not contain any substance(s) which are defined by the state of California to cause cancer, birth defects, or other reproductive effects.

HMIS & NFPA Ratings	HMIS	NFPA
<i>Health:</i>	2	2
<i>Flammability:</i>	0	0
<i>Reactivity:</i>	0	0
<i>Personal Protection:</i>	B	

16. Other Information

Person to contact: Regulatory Affairs Manager

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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 guidance 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.

REVISION COMMENTS:

MATERIAL SAFETY DATA SHEET STATUS: Approved.

DATE: 07/02/2014

Prepared by: Director of Technology

For safety reasons it is **IMPERATIVE** that customers:

1. Ensure that all those who use the products are supplied with all relevant information contained within the Material Safety Data Sheet and Technical Bulletin concerning the applications for which the product is designed and any instructions and warnings contained therein.

2. Consult Zinkan Enterprises Inc. before using or supplying the product for any other applications.

The information contained herein is based on the present state of our knowledge and is intended to describe our product from the point of view of safety requirements. It should not therefore be construed as guaranteeing specific properties.

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WARNING: This product (when used in aqueous formulations with a chemical oxidizer such as ozone) contains a chemical known to the State of California to cause cancer.

US Toxic Substances Control Act