

# Safety Data Sheet

Product Name: Blue Dust Suppressant M3

Product Code: 850XNB NanoBind

## Company Identification:

Supplier Name:	Mosmart Investments (Pty) Ltd
Address:	86 Ridge Road Laser Park Honeydew Roodepoort
Telephone No:	(+27) 11 675 0860
Emergency No.:	(+27) 71 530 0943
e-Mail Address:	gary@mosmart.co.za

## 1.) Chemical Product Identification:

Chemical Family:	Nano Molecular Bio-Polymer
Chemical Name:	Nano Molecular Bio-Polymer
Product Use:	Dust suppressant.

## 2.) Hazards Identification:

Hazardous Components:	Not a hazardous substance or mixture.
Classification of substance:	This product is not classified
CAS Number:	25212-88-8
Signal Word:	None required
Flammability:	Non-flammable
Risk Phrases:	R22--Harmful if swallowed R36 – Slightly irritating to eyes R38 –May cause mild skin irritation.
Precautionary Statements:	General: P101 -If medical advice is needed, have product label at hand. P102 -Keep out of reach of children. P103 -Read label before use.

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Prevention Statements:	P201 -Obtain special instructions before use. P202 -Do not handle until all safety precautions have been read and understood. P262 -Do not get in eyes, on skin, or on clothing. P280 -Wear protective gloves/clothing, eye/face protection.
Anticipated Emergency:	P301+330+331+313 -If swallowed: Rinse mouth. Do not induce vomiting. Get medical attention. P302+352 -If on skin: Wash with plenty of water. P305+338+351+313 -If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. Get medical attention.
Other hazards which do not result in classification:	None known.

## Quick summary of 2. Hazard identification cont.

Main Hazard:	Irritant (Xi)
Flammability:	Non-flammable
Inhalation:	Slight irritant of respiratory tract.
Ingestion:	Irritant, Harmful
Skin Contact:	May cause irritation.
Eye Contact:	Irritant
Chemical Hazard:	Irritant (Xi),
Carcinogenicity:	No data available.
Mutagenicity:	No data available.
Neurotoxicity:	No data available.

## 3.) Composition / Information On Ingredients:

Substance/Mixture:	Blend of chemicals
Ingredient Name:	Nano polymer<20%
There are no other hazardous ingredients present in the mixture that are classified hazardous to the health or the environment to the best of our knowledge. It is therefore not required to specify anything more in this section.	

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## 4.) First Aid Measures:

Inhalation:	Move patient to fresh air, keep patient relaxed and loosen tight clothing. Give oxygen if breathing is difficult. Get medical attention if required.
Ingestion:	Rinse mouth and then give water to drink. Do not induce vomiting unless directed by medical personnel. Get medical attention if large quantities have been ingested.
Skin Contact:	Rinse with water.
Eye Contact:	Flush eyes with plenty of water. Continue rinsing for at least 10 minutes. Remove contact lenses if present and easy to do. Seek medical attention if necessary.

**Note To Doctor: Treat symptomatically: No specific treatment.**

**Protection For First Aider: No action to be taken without suitable training. May be dangerous to give patient mouth to mouth resuscitation.**

**SEE TOXICOLOGICAL INFORMATION (SECTION 11)**

## 5.) Fire Fighting Measures :

Flammability:	Non-flammable
Special Precautions:	Some irritating vapours might be released when the product is exposed to elevated temperatures or open flames. Combustion products may include but not limited to: Carbon Dioxide, Carbon Monoxide
Protective Clothing:	Fully protective clothing
Extinguishing Media:	Water spray, foam, CO <sub>2</sub> , dry chemical powder
Unsuitable Extinguishing:	None

## 6.) Accidental Release Measures :

Personal Precautions (Non-emergency personnel):	No action shall be taken involving any personal risk or without suitable training. Wear protective equipment as detailed in Section 8
Environmental Precautions:	Do not allow large spills to enter drains and water courses.
Emergency Responders:	Refer to Personal precautions and Section 8.
Spills:	<b>Small Spills:</b> Mop up. Return to waste disposal container. <b>Large Spills:</b> Do not allow to enter sewer. Boom if necessary. Absorb with inert material. Chemical waste company to dispose of this. Finish cleaning by spreading water on surface.

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## 7.) Handling & Storage:

<b>Safe Handling:</b>	Keep containers sealed and upright when not in use or whilst transporting. Avoid inhalation, ingestion and contact with skin and eyes. Do not use in areas without adequate ventilation. Smoking, eating or drinking should be prohibited in the application areas. For personal protection, see Section 8.
<b>Safe Storage:</b>	Store containers sealed and upright. Store in a well-ventilated room away from direct sunlight. Store in accordance with local regulations. Store in cool, dry and approved area away from heat. Keep containers closed.

## 8.) Exposure Controls And Personal Protection:

<b>PPE:</b>	Wear overalls, goggles, gloves and boots. The wearing of protective equipment is recommended when applying the product.
	

<b>Recommended monitoring procedures:</b>	None necessary
<b>Appropriate engineering controls:</b>	Ensure adequate ventilation
<b>Environmental exposure controls:</b>	Do not allow product to enter drains, water courses.
<b>Individual protection equipment:</b>	Overalls, rubber gloves, goggles and boots in the event of large quantities being spilt.
<b>Hygiene measures:</b>	Always rinse, and wash hands after using the product.
<b>Respiratory protection:</b>	Where ventilation is poor and exposure through inhalation may occur, respiratory protection e.g. dust and mist respirator must be worn.
<b>Hand protection:</b>	Wear chemical resistant gloves.
<b>Eye protection:</b>	Safety eyewear with sideshields should be used.
<b>Skin and body protection:</b>	Wear appropriate foot wear and overalls or coat.

## 9.) Physical & Chemical Properties:

<b>Appearance:</b>	Opaque Blue Liquid
<b>Odour:</b>	Distinctive

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S.G.:	1.03 – 1.07
pH:	5.0- 8.0
Boiling point/ Melting point:	Not determined
Flashpoint:	Not determined
Flammability/Explosive limits:	Not determined
Lower and upper explosive:	N/A
Vapour pressure:	Not determined
Solubility:	<u>Water</u> : Completely <u>Solvent</u> : Partially
Partition coefficient: n-octanol/water	Not available
Decomposition temperature:	Not available
Evaporation rate:	Similar to water
Viscosity:	Similar to water

### 10.) Stability & Reactivity:

Stability:	Stable under recommended storage conditions
Reactivity:	Stable
Possibility of hazardous reaction:	Hazardous reactions will not occur under normal storage and conditions of use.
Conditions to avoid:	Avoid freezing
Incompatible Materials:	None
Hazardous decomposition products:	Thermal decomposition may yield acrylic monomers.

### 11.) Toxicological Information:

Acute Toxicity:	Oral: LD50 Rat >750 mg/Kg Dermal: LD50, Rabbit>750 mg/Kg Acute inhalation: LC50, Rat,1hr dust/mist >10 mg/l
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<b>Skin irritation/corrosion:</b>	May cause mild skin irritation
<b>Eye damage/irritation:</b>	May cause irritation
<b>Respiratory or skin sensitisation:</b>	May cause irritation to the respiratory tract.
<b>Ingestion:</b>	May be harmful if swallowed.
<b>Reproductive toxicity:</b>	No data available
<b>Single exposure/organ toxicity:</b>	No data available
<b>Repeated exposure/organ toxicity:</b>	Not determined
<b>Chronic toxicity:</b>	No
<b>Carcinogenicity:</b>	No data available
<b>Mutagenicity:</b>	No

### 12.) Ecological Information:

<b>Biodegradability:</b>	Yes
<b>Persistence and degradability:</b>	Long term persistence unlikely based on available information. Product is water soluble.
<b>Aquatic toxicity – Fish</b>	Moderately toxic. LC50 3.6mg/L 96h
<b>Aquatic toxicity - Daphnia</b>	EC50 4.2mg/L 24h
<b>Aquatic toxicity – algae</b>	EC50 100 mg/L 48h
<b>Bio-accumulation:</b>	Little possibility of bio-accumulation.
<b>Mobility in soil:</b>	Expected
<b>Other adverse effects:</b>	Not known

### 13.) Disposal Considerations:

<b>Disposal of waste from residue or spills:</b>	Dispose of according to local municipal regulations.
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Disposal of Packaging and container:

Dispose of according to local municipal regulations.

## 14.) Transport Information:

Type	Transport by road SANS 10228:2012
UN proper shipping name:	Not regulated for transport
Transport hazard class(es):	9
Packaging group/IMDG:	III
Marine pollutant:	No
Bulk container: Instructions	T4
Bulk container: Special provisions	TP1 TP29
Transport in bulk according to Annex II of MAPOL 73/78, Annex II and the IBC Code	P001, IBC03, LP01, R001

## 15.) Regulatory Information:

Symbol:	
EEC-hazard classification:	Irritant
Safety, health and environmental regulations specific for the product:	<b>Relevant information regarding authorisation:</b> Occupational Health & Safety Act 1993 Regulation for Hazardous Substances. <b>Relevant information regarding restrictions:</b> None known <b>Other National regulations:</b> None <b>Standards used for PPE recommendations</b> according to NIOSH regulations, section 8.

## 16.) Other Information:

**LEGAL DISCLAIMER:** The information provided in this safety data sheet is correct to the best of our knowledge, information and belief at the date of publication. The information given is designed only as guidance for safe handling, use, processing, storage, transportation, disposal and release and is not purport to be all inclusive. The information

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relates only to the specific material designed and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text. Training is offered on the use of all chemical products supplied by **Chemical Convertors**.

**HISTORY:** Date of printing **21** August 2019

**Previous date: New product (non SANS)**

**KEY TO ABBREVIATIONS USED:**

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

IBC: Intermediate Bulk Container

IMDG: International Maritime Dangerous Goods

MARPOL 73/78: International Convention for the Prevention of Pollution from Ships.

RID: The Regulations concerning the International Carriage of Dangerous Goods by Rail

**REFERENCES:**

SANS 11014:2010 and ISO 11014: 2009