

DUSTBUSTER 3

Chloride Dust Suppressant

MATERIAL SAFETY DATA SHEET

1. Identification of Product and Company

Product : Dustbuster 3
Company : NTM Sales & Marketing Ltd
PO Box 2 . Summerbridge, Harrogate, HG3 4XN
Tel 01423 781010 Fax 781279

Chemical Name : N/A
Synonyms : Dust Suppressant
Chemical Family : Chlorides
Molecular Weight : N/A
Formula : N/A
CAS Registry No : N/A

2. Composition / Information on Ingredients

<u>Name</u>	<u>CAS REG NO</u>	<u>WT. %</u>
Calcium Chloride	10043-52-4	0-36%
Magnesium Chloride	7786-30-3	0-34%
Sodium Chloride	7647-14-5	0-1%

3. Hazards Identification

Calcium Chloride	Irritant
Magnesium Chloride	Irritant
Sodium Chloride	Irritant

4. First Aid Measures

Eyes: Rinse eyes immediately with large amounts of water for at least 15 minutes, occasionally lifting the eyelids. Get medical attention.

Inhalation: Move to fresh air

4. First Aid Measures (cont'd)

Ingestion : Do not induce vomiting. Give large amounts of water or milk. Get medical attention.

NEVER GIVE FLUIDS OR INDUCE VOMITING IF PATIENT IS UNCONSCIOUS OR HAVING CONVULSIONS.

Skin: Wash with plenty of water

5. Fire Fighting Measures

Suitable extinguishing media : Standard procedure for chemical fires.

Extinguishing media which must not be used for safety reasons : N/A

Specific hazards : Heating above the decomposition temperature will release toxic fumes

Special protective equipment for firefighters: Wear self-contained breathing apparatus and protective clothing.

6. Accidental Release Measures

Personal precautions: Avoid contact with skin and eyes
Environmental precautions: No special environmental precautions required
Methods for cleaning up: Shovel or sweep up. Shovel into suitable container for disposal. Avoid dust formation. Dispose of as special waste in compliance with local and national regulations.

7. Handling and Storage

Storage : Store in a suitable tank or container for chlorides (aluminum and its alloys deteriorate rapidly upon exposure to chlorides and are not recommended.)

Handling : Wear proper clothing and personal protection equipment. Minimize splashing, chlorides can be irritating to eyes and skin.

8. Exposure Control/Personal Protection

Respiratory Protection :	When necessary, use an air purifying respirator or mist respirator depending on situation.
Ventilation :	All operations should be conducted in well ventilated conditions.
Eye Protection :	Safety glasses or chemical goggles.
Protective Clothing:	Impervious gloves, boots, apron or full body suit, depending on operation.

9. Physical and Chemical Properties

Boiling Point :	244.6 deg F
Vapor Pressure mm Hg @ 20deg C	Not Applicable
Specific Gravity or Bulk Density :	1.25 to 1.36
Solubility in Water :	Miscible
Appearance :	Clear to Tan Liquid
Odour :	Mild Odour
pH :	7.0

10. Stability and Reactivity

Stable :	Yes
Chemicle Incompatibility :	Flammable hydrogen may be generated when exposed to sodium or zinc. Avoid contact with sulfuric acid.
Hazardous Decomposition Products :	Does not decompose.
Hazardous Polymerization :	None
Conditions to Avoid :	Mildly corrosive to metals
Corrosive to Metal :	Mildly corrosive to metals.
Oxidizer :	Not Applicable

11. Toxicological Information

Effects of Overexposure

Inhalation :	Vapors are unlikely due to physical properties. Mists may cause irritation to upper respiratory tract.
Skin :	Short exposures are not likely to cause irritation. Prolonged or repeated exposure may cause skin irritation. It may cause more severe irritation if skin is scratched or abraded.
Eyes :	May be irritating to the eyes
Ingestion :	Small amounts swallowed incidental to normal handling are not likely to cause injury. Swallowing larger amounts may cause gastrointestinal irritation or ulceration.
Toxicology:	
<u>Acute</u>	Skin : LD50 (rabbits) skin absorption is >5000 mg/kg Ingestion : LD50 (rats) oral is 900-2100 mg/kg
<u>Mutagenic</u>	(effects on genetic material) in vitro mutagenicity studies were negative.

12. Ecological Information

Material is practically non-toxic to aquatic organisms (LC50 > 50 mg/L in most sensitive species.)

13. Disposal Considerations

Contaminated packaging : In accordance with local, national or EU regulations
Waste from residues/unused products : In accordance with local, national or EU regulations.

14. Transportation Information

D.O.T. Proper Shipping Name (49CFR172.101) :	Chloride Rich Aqueous Solution
Hazardous Substance (40CFR116) :	Not Hazardous
Reportable Quantity (RQ) :	Not Applicable
D.O.T Hazard Classification (49CFR172.101) :	Not Hazardous
D.O.T. Labels Required (49CFR172.101) :	None
D.O.T. Placards Required :	None
Poison Constituent (49CFR173.343) :	Not Applicable
Bill of Lading Description :	Dust Control Agent
C No :	Not Applicable
UN/NA Code :	Not Applicable

15. Regulatory Information

The product is classified and labelled in accordance with EU directives :

Xi - IRRITANT

Content : Calcium Chloride

R - phrase (s)

R36 - irritating to eyes

S - phrase(s)

S22 - Do not breathe dust

S24 - Avoid contact with skin.

16. Other Information

Abbreviations and Symbols

N.D. - Not Determined

N.A. - Not Applicable

N.T. Not Tested

< - Less Than

> - More Than
