



# Material Safety Data



## 1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

### 1.0 FLAMETECT NITRO D. A Water & Weather Resistant Flame Retardant For Outdoor Textiles

1.1 A Nitrogen Based Solution With Surfactants , Couplers & Mordents

#### 1.2 Eco-Sol Ltd

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1.3 Emergency Telephone Numbers As Above, Plus Out Of Office Numbers 0044 + (0) 7825 924432 & 33

## 2 HAZARDS IDENTIFICATION

2.0 Hazards Overview. None Identified

## 3. COMPOSITION INFORMATION ON INGREDIENTS

3.0 A Nitrogen Based Solution	34% Minimum	CAS	ACGIH-TLV	IARC	NTP
Polymer Binder System	30% Minimum				

## 4. FIRST AID MEASURES

### Skin Contact

Immediately Flush Skin With Plenty Of Soap & Clean Water For At Least 15 Minutes Whilst Removing Contaminated Clothing & Shoes. Wash Clothing Before Re-Use.

### Eye Contact

Immediately Flush Eyes With Plenty Of Clean Water For At Least 15 Minutes, Occasionally Lifting The Upper & Lower Eyelids

### Ingestion

If Swallowed Give Small Sips Of Water Every 10 – 15 Minutes.

4. Continued



# Material Safety Data



Seek Medical Help Immediately & Provide With A Copy Of This M.S.D.S.

Never Give Anything By Mouth To An Unconscious Person

## Inhalation

Liquid . Not Anticipated

## Notes To Physicians

None

## 5. FIRE FIGHTING MEASURES

A Flame Retardant, No Flammable Issues Anticipated

## 6. ACCIDENTAL SPILLAGE MEASURES

### Personal Protection

Always Use Personal Protection Equipment As Defined In Section 8.

### Material Safety Data Sheet

M.S.D.S Flametect Nitro D. Revision 2 .0 October 1<sup>st</sup> 2011

### Spills & Leakages

Contain Spills & Leakages, Avoid Runoff Into Storm Drains & Sewers Which Lead To Waterways

Clear Up Spills Immediately Wearing Personal Protection As Described In Section 8.

Absorb Spills In Non Combustible Absorbent Materials Such as Sand, Earth Or Vermiculite, Dispose of Observing Local Laws & Byelaws

### Clean up Procedure

Wash The Spillage Site With Amounts Of Water

## 7. HANDLING AND STORAGE

### 7.1 Handling Requirements

Wash Thoroughly After Handling, Keep Container Tightly Closed

### 7.2 Storage Precautions

Store in A Tightly Closed Container, Keep In A Cool Dry Place, Away From Incompatible Materials

## 8 EXPOSURE CONTROL / PERSONAL PROTECTION

### Engineering Controls

Not Anticipated To Be Needed If Good Personal & Workplace Hygiene Practices Are Followed, Before Eating Drinking Or Smoking, Wash Hands & Face Thoroughly

### Personal Protective Equipment

#### Eyes

Wear Chemical Goggles

#### Skin

Avoid Unnecessary Skin Exposure , Wear Gloves To Prevent Skin Exposure If Used For Prolonged Periods

#### Clothing

Wear Suitable Protective Clothing If Used For Prolonged Periods

#### Face Masks & Respirators

Not Anticipated To Be Needed, Although A Simple Mask Could Protect Skin If Used For Prolonged Periods

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Physical State</b>	<b>Liquid</b>
<b>Appearance</b>	<b>A White Solution That Dries Transparent</b>
<b>Ph</b>	<b>5 -6</b>
<b>Vapour Pressure</b>	<b>Not Applicable</b>
<b>Vapour Density</b>	<b>Not Applicable</b>
<b>Evaporation Rate</b>	<b>Not Applicable</b>
<b>Viscosity</b>	<b>40 – 50 cps</b>
<b>Boiling Point</b>	<b>Not Applicable</b>
<b>Freezing Point</b>	<b>Not Applicable</b>
<b>Auto Ignition Temperature</b>	<b>Not Applicable</b>
<b>Explosion Limits Lower</b>	<b>Not Applicable</b>
<b>Explosion Limits Upper</b>	<b>Not Applicable</b>
<b>Decomposition Temperature</b>	<b>Not Applicable</b>
<b>Solubility</b>	<b>Miscible With Water</b>
<b>Specific Gravity / Density</b>	<b>1.25 grams Per Cubic Centimetre</b>
<b>N-Content</b>	<b>~ 6</b>
<b>P2O5 Content</b>	<b>~ 15</b>
<b>Material Safety Data Sheet</b>	<b>MSDS Nitro D. revision 2 October 1<sup>st</sup> 2011</b>

**9 Continued**

**Crystallisation Point** ~ 5 Degrees C.

**10. STABILITY AND REACTIVITY****Stability**

Stable Under Normal Conditions Of Storage & Usage

**Hazardous Decomposition Products**

Ammonia, Phosphoric Acid , Hydrogen Bromide & Steam Water May Be Formed When This Product Is Heated

**Hazardous Polymerisation**

None reported

**Incompatibilities**

Not Applicable

**Conditions To Avoid**

None Known

**11. TOXICOLOGICAL INFORMATION****LD50 / LC50****TLV**

Not Specially Quoted

Acute Oral Toxicity LD 50 (Rats ) > 3200 mg Per Kilo Bodyweight

Acute Oral Toxicity LC 50 ( Zebra Fish ) Not Known

**12 ECOLOGICAL INFORMATION**

This Material Is Not Considered As Hazardous To The Environment

**13 DISPOSAL**

Observe All National, Regional & Environmental Regulations

**14 TRANSPORT INFORMATION**

UN Number

ADR / RID Class



# Material Safety Data



14 Continued

IATA Class

IMO Class

IMDG Code

Marine Pollutant            No

Proper Shipping Name

Additional Information    Not Classified As Hazardous Under Any Transport Regulations

## 15. REGULATORY INFORMATION

All Components Of This Are included In The European Inventory Of Existing Chemical Substances In Compliance With The Council Directive 67/548 EEC & 79/831 EEC

## 16. OTHER INFORMATION

The Above Information Is Believed To Be Correct But Does Not Purport To Be All Inclusive & Is To Be Used Only As A Guide.

Eco-Sol Ltd Will Not Be Held Liable For Any Damage Resulting From Handling Or Contact With The Above Product