

# MATERIAL SAFETY DATA SHEET

## Bio-Nox Form Release

### 1. Identification of the Substance or Mixture and of the Supplier

Product Name: Bio-Nox

Recommended use: 100% Biodegradable Water Based Concrete Release Agent

Company details: Reid™

Address: 23-29 Poland Road, Wairau Valley, Glenfield, Auckland

Telephone Number: 09 920 4360 (8.00am – 5.00pm)

Emergency Number: 0800 88 22 12  
0800 POISON (0800 764 766)

Date of preparation: Revised 10/12/2010

### 2. Hazards Identification

Hazards Classification: Not classified as Hazardous according to the criteria in the hazardous substances minimum degrees of hazard regulations 2001.

Required Identification: N/A

Erma Approval Code: Not required

### 3. Composition/Information on Ingredients

Classification and Type: Not required

Mixture:

Ingredient Name	CAS Number	% Range
TRIPROPYLENE GLYCOL METHYL ETHER	25498-49-1	3
VEGETABLE OIL		1
WATER	7732-18-5	96

### 4. First Aid Measures

**Inhalation:** If irritation, headache, nausea or drowsiness occurs, remove to fresh air. Get medical attention if breathing becomes difficult or symptoms persist.

**Skin Contact:** Remove contaminated clothing and shoes. Wash affected areas with soap and water. Wash clothing before reuse. Get medical attention immediately if irritation (redness, rash, blistering) develops.

**Eye Contact:** In case of contact, hold eyelids apart and immediately flush eyes with directed stream of water for at least 15 minutes. Get medical attention immediately.

**Ingestion:** If swallowed, do not induce vomiting. Get medical attention immediately.

**Medical attention and special treatment:** Treat symptomatically.

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## 5. Fire Fighting Measures

Hazards from combustion products:

Non-flammable liquid

Precautions for fire fighters and special protective equipment:

Fire fighters to wear suitable protective clothing.

Suitable Extinguishing Media:

Use CO2 (Carbon Dioxide), dry chemical or foam.

## 6. Accidental Release Measures

Methods and materials for containment and clean up:

Eliminate any ignition source. Dike or impound spilled material and contain and/or absorb spill with inert material (e.g. sand, vermiculite). Collect into vapour tight containers and dispose of properly.

## 7. Handling and Storage

Conditions for safe storage:

Store product in a cool, dry environment away from sources of ignition. Prevent exposure to freezing temperatures.

Precautions for safe handling:

Keep container closed when not in use. Use only with adequate ventilation.

Work/Hygienic practices:

Wash hands thoroughly with soap and water after handling.

## 8. Exposure Controls/Personal Protection

Occupational Safety Limits:

No exposure limits have been set by the NZ Dept. of Labour

Engineering Controls:

Use with adequate ventilation to keep product vapour concentrations below specified TLV.

Eye/Face Protection:

Chemical goggles and/or face shields are required to prevent potential eye contact, irritation or injury.

Skin Protection:

Wash exposed skin frequently with soap and water. Soiled clothing should be laundered before reuse.

Respiratory Protection:

General room ventilation is normally adequate. Avoid breathing the product mist. The use of a NIOSH approved respirator is recommended whenever the airborne concentrations exceeds the TLV.

## 9. Physical and Chemical Properties

Appearance:

White emulsion with a slight pleasing odour.

Chemical Type:

Mixture

Physical State:

Liquid

Boiling Point:

100°C

Specific Gravity:

Lighter than water

Packing Density:

0.97 Kg per L

Solubility:

Soluble

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Evaporation Rate:	Slower than ether
VOC:	Less than 100g/L
Flash Point:	>94°C (PMCC)

### 10. Stability and Reactivity

Chemical Stability:	Stable
Hazardous Polymerisation:	Will not occur
Conditions to Avoid:	Avoid exposure to heat, sources of ignition and open flame.
Incompatible Materials:	Strong oxidising agents.
Hazardous Decomposition Products:	Combustion may produce carbon monoxide, carbon dioxide and various hydrocarbon derivatives.

### 11. Toxicological Information

No adverse health effects expected if the product is handled in accordance with this Safety Data Sheet and the product label. Symptoms or effects that may arise if the product is mishandled and overexposure occurs are:

Ingestion:	No adverse effects expected, however, large amounts may cause nausea and vomiting.
Eye Contact:	May be an eye irritant.
Skin Contact:	Contact with skin may result in irritation.
Inhalation:	Breathing in vapour, mists or aerosols may produce respiratory irritation.
Long Term Effects:	No information available for this product.

No component of this product represent at levels greater than 0.1% is identified as a carcinogen by the U.S. National Toxicology Program, the U.S. Occupational Safety and Health Act, or the International Agency on Research on Cancer (IARC).

### 12. Ecological Information

Ecotoxicity:	Avoid contaminating waterways.
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### 13. Disposal Considerations

Product must be disposed of in accordance with the Hazardous Substances (Disposal) Regulations 2001. Do not dispose of in waterways, sewers, drains or the like. Waste product should be disposed of where it will not come into contact with ground water or contaminate Product can be disposed of by exporting from New Zealand as waste. Product must be sufficiently diluted if being disposed of via discharge into the environment so that the discharged product concentration no longer triggers any environmental hazards.

### 14. Transport Information

Proper Shipping Name:	Classified as dangerous goods for transport according to NZS5433:2007 transport of dangerous goods by road.
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## Bio-Nox Form Release

**15. Regulatory Information**

Erma Approval code:

Not classified as hazardous according to the criteria in the Hazardous Substances (Minimum Degrees of Hazard) Regulations 2001.

**16. Other Information****Revision/Preparer of Information:****Reference Documentation:**

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