

**MATERIAL SAFETY DATA SHEET**

Date Printed: 7/31/11

Page : 1

Product Code: 051811 051811  
Product Name NATURE SHIELD NATURE SHIELD  
NATURE SCIENCES LLC ~ PO BOX 757 ~ LA CENTER, WA 98629  
24-hour Emergency Phone: (800)-255-3924

**1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION**

PRODUCT NAME: NATURE SHIELD  
PRODUCT CODE: 051811  
  
MANUFACTURER'S NAME: NATURE SCIENCES LLC  
ADDRESS : PO BOX 757  
LA CENTER, WA 98629  
  
EMERGENCY PHONE : (800)-255-3924  
INFORMATION PHONE : (360)-606-7933  
NAME OF PREPARER : DARRELL BADERTSCHER

**2. COMPOSITION/INFORMATION ON INGREDIENTS**

Component/Exposure Limits	CAS#	% by Wt.
* ETHYLENE GLYCOL MONOBUTYL ETHER	111-76-2	1

**3. HAZARDS IDENTIFICATION**

**POTENTIAL HEALTH EFFECTS**

**EYE:**

IRRITATING TO EYES.

**SKIN:**

MAY CAUSE SKIN DRYNESS OR IRRITATION.

**INGESTION:**

WHILE THIS MATERIAL HAS A LOW DEGREE OF TOXICITY, INGESTION OF EXCESSIVE QUANTITIES MAY CAUSE IRRITATION OF THE DIGESTIVE TRACT.

**INHALATION:**

INHALATION OF VAPOR OR MIST MAY CAUSE HEADACHES, NAUSEA AND IRRITATION OF THE NOSE, THROAT OR LUNGS.

**CHRONIC (CANCER) INFORMATION:**

THIS MATERIAL HAS NOT BEEN IDENTIFIED AS A CARCINOGEN BY NTP, IARC OR OSHA.

**TERATOLOGY (BIRTH DEFECT) INFORMATION:**

THIS MATERIAL DOES NOT CONTAIN COMPONENTS WHICH ARE KNOWN TO CAUSE BIRTH DEFECTS.

**REPRODUCTION INFORMATION:**

THIS MATERIAL DOES NOT CONTAIN COMPONENTS WHICH ARE KNOWN TO CAUSE REPRODUCTIVE HARM.

**MATERIAL SAFETY DATA SHEET**

Date Printed: 7/31/11

Page : 2

---

Product Code: 051811

051811

Product Name NATURE SHIELD

NATURE SHIELD

NATURE SCIENCES LLC ~ PO BOX 757 ~ LA CENTER, WA 98629

24-hour Emergency Phone: (800)-255-3924

---

#### **4. FIRST AID MEASURES**

---

**EYES:**

FLUSH WITH LARGE AMOUNTS OF WATER OR EYE WASH. CONTACT PHYSICIAN.

**SKIN:**

REMOVE CONTAMINATED CLOTHING. WASH SKIN THOROUGHLY WITH SOAP AND WATER. CONTACT PHYSICIAN IF NECESSARY

**INGESTION:**

DO NOT INDUCE VOMITING, CAN CAUSE CHEMICAL PNEUMONITIS AND PULMONARY EDEMA. CONTACT PHYSICIAN IMMEDIATELY.

**INHALATION:**

REMOVE TO FRESH AIR. RESTORE BREATHING. CONTACT PHYSICIAN.

**AGGRAVATED MEDICAL CONDITIONS:**

PERSONS WITH PRE-EXISTING DERMATITIS MAY BE MORE SUSCEPTIBLE TO THE EFFECTS OF THIS MATERIAL.

#### **5. FIRE FIGHTING MEASURES**

---

**FLAMMABLE PROPERTIES:**

**FLASH POINT: N/A**

**METHOD: N/A**

**FLAMMABLE LIMITS:**

**LOWER FLAMMABLE LIMIT: N/A**

**UPPER FLAMMABLE LIMIT: N/A**

**AUTO IGNITION TEMPERATURE:**

NOT KNOWN. CLOSED CONTAINER MAY EXPLODE DUE TO PRESSURE BUILD-UP OF STEAM EXPOSED TO EXTREME HEAT. MATERIAL CAN SPLATTER ABOVE 100°C/212°F. POLYMER FILM CAN BURN.

**HAZARDOUS COMBUSTION PRODUCTS:**

DECOMPOSITION PRODUCTS MAY INCLUDE THE FOLLOWING MATERIALS: CARBON DIOXIDE, METAL OXIDE/OXIDES.

**EXTINGUISHING MEDIA:**

FOAM, ALCOHOL FOAM, CO<sub>2</sub>, DRY CHEMICAL, WATER FOG

**FIREFIGHTING INSTRUCTIONS:**

USE FULL PROTECTIVE EQUIPMENT INCLUDING SELF-CONTAINED BREATHING APPARATUS TO PROTECT FIREFIGHTERS FROM HAZARDOUS COMBUSTION PRODUCTS. WATER MAY BE USED TO COOL CONTAINERS TO PREVENT EXPLOSION OF LIDS FROM PRESSURE BUILD-UP.

---

### **MATERIAL SAFETY DATA SHEET**

---

Date Printed: 7/31/11

Page : 3

---

Product Code: 051811

051811

Product Name NATURE SHIELD

NATURE SHIELD

NATURE SCIENCES LLC ~ PO BOX 757 ~ LA CENTER, WA 98629

24-hour Emergency Phone: (800)-255-3924

---

## 6. ACCIDENTAL RELEASE MEASURES

---

### **SMALL SPILL:**

MINOR SPILLS MAY BE FLUSHED INTO SEWER IF PERMITTED BY STATE, FEDERAL AND LOCAL REGULATIONS.

### **LARGE SPILL:**

VENTILATE AREA. EQUIP EMPLOYEES WITH APPROPRIATE PROTECTION.  
DIKE AROUND SPILLED MATERIAL. COVER SPILL WITH ABSORBENT MATERIAL AND SHOVEL INTO CONTAINERS.  
SEAL CONTAINERS AND REMOVE TO SAFE AREA.

---

## 7. HANDLING AND STORAGE

---

### **HANDLING:**

EQUIP EMPLOYEES WITH APPROPRIATE PERSONAL PROTECTION.

### **STORAGE:**

KEEP CONTAINERS CLOSED WHEN NOT IN USE. DO NOT HANDLE OR STORE NEAR HEAT, SPARKS, FIRE OR STRONG OXIDANTS.

---

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

---

### **ENGINEERING CONTROLS:**

USE ALL AVAILABLE ENGINEERING CONTROLS TO ELIMINATE FUMES, MIST OR SPRAY.

### **RESPIRATORY PROTECTION:**

RESPIRATORY PROTECTION MAY BE NECESSARY TO MINIMIZE EXPOSURE TO VAPORS DEPENDING ON THE CONCENTRATION OF AIRBORNE MATERIALS. USE A RESPIRATOR WITH APPROPRIATE FILTERS AND CARTRIDGES (NIOSH APPROVED) OR SUPPLIED AIR EQUIPMENT.

### **SKIN PROTECTION:**

USE GLOVES MADE OF NEOPRENE, BUTYL OR NATURAL RUBBER.

### **EYE PROTECTION:**

USE CHEMICAL SPLASH GOGGLES.

---

## 9. PHYSICAL AND CHEMICAL PROPERTIES

---

<b>BOILING POINT:</b>	<b>212° F.</b>
<b>MELTING POINT:</b>	<b>NO INFORMATION AVAILABLE.</b>
<b>VAPOR PRESSURE:</b>	<b>NO INFORMATION AVAILABLE.</b>
<b>VAPOR DENSITY:</b>	<b>LIGHTER THAN AIR</b>
<b>SOLUBILITY IN WATER:</b>	<b>SOLUBLE</b>
<b>SPECIFIC GRAVITY:</b>	<b>1.01</b>
<b>pH:</b>	<b>NO INFORMATION AVAILABLE.</b>
<b>ODOR:</b>	<b>SLIGHT ODOR OF CO SOLVENT</b>
<b>APPEARANCE:</b>	<b>OPAQUE LIQUID.</b>

**MATERIAL SAFETY DATA SHEET**

---

Date Printed: 7/31/11

Page : 4

Product Code: 051811

051811

Product Name NATURE SHIELD

NATURE SHIELD

NATURE SCIENCES LLC ~ PO BOX 757 ~ LA CENTER, WA 98629

24-hour Emergency Phone: (800)-255-3924

---

## 10. STABILITY AND REACTIVITY

---

### **CHEMICAL STABILITY (CONDITIONS TO AVOID) :**

STABLE

### **INCOMPATIBILITY:**

AVOID STRONG OXIDIZING AGENTS.

### **HAZARDOUS DECOMPOSITION PRODUCTS:**

POSSIBLE OXIDES OF CARBON AND NITROGEN.

### **HAZARDOUS POLYMERIZATION:**

WILL NOT OCCUR.

---

## 11. TOXICOLOGICAL INFORMATION

---

TOXICOLOGICAL TESTING HAS NOT BEEN CONDUCTED WITH THIS MATERIAL..

---

## 12. ECOLOGICAL INFORMATION

---

### **ECOTOXICOLOGICAL INFORMATION:**

NO KNOWN SIGNIFICANT EFFECTS OR CRITICAL HAZARDS.

### **CHEMICAL FATE INFORMATION:**

THIS PRODUCT HAS NOT BEEN TESTED FOR BIODEGRADABILITY.

---

## 13. DISPOSAL CONSIDERATIONS

---

INCINERATE OR BURY IN SUITABLE LANDFILL WHERE PERMITTED BY APPROPRIATE GOVERNMENT REGULATIONS.

---

## 14. TRANSPORT INFORMATION

---

DOT PROPER SHIPPING NAME: PAINT NOT REGULATED

PACKING GROUP: N/A

HAZARD CLASS: N/A

GUIDE NUMBER: N/A

DOT CLASS: PAINT NOT REGULATED.

UN NUMBER: N/A

---

## 15. REGULATORY INFORMATION

---

**US FEDERAL REGULATIONS: N/A**

**OSHA REGULATED: NO**

**CERCLA: SARA SECTION 313:**

\* INDICATES TOXIC CHEMICAL(S) SUBJECT TO THE REPORTING REQUIREMENTS OF SECTION 313, TITLE III AND OF 40 CFR 372.

---

## **MATERIAL SAFETY DATA SHEET**

---

Date Printed: 7/31/11

Page : 5

---

Product Code: 051811

051811

Product Name NATURE SHIELD

NATURE SHIELD

NATURE SCIENCES LLC ~ PO BOX 757 ~ LA CENTER, WA 98629

24-hour Emergency Phone: (800)-255-3924

---

**INTERNATIONAL REGULATIONS:**

**CANADIAN WHMIS: N/A**

**CANADIAN ENVIRONMENTAL PROTECTION ACT (CEPA) : N/A**

**EINECS: N/A**

**STATE REGULATIONS:**

**CALIFORNIA PROPOSITION 65:**

THIS MATERIAL DOES NOT CONTAIN COMPONENTS WHICH ARE KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER, BIRTH DEFECTS OR OTHER REPRODUCTIVE HARM, AND MAY BE SUBJECT TO THE REQUIREMENTS OF CALIFORNIA PROPOSITION 65 (CA. HEALTH & SAFETY CODE SECTION 25249.5).

**VOLATILE ORGANIC COMPOUNDS: 0.37 lb/gal**

**HMIS INFORMATION: H F R P**  
**1 0 0 B**

---

**16. OTHER INFORMATION**

---

**THE INFORMATION ACCUMULATED HEREIN IS BELIEVED TO BE ACCURATE BUT IS NOT WARRANTED TO BE WHETHER ORIGINATING WITH NATURE SCIENCES LLC OR NOT. RECIPIENTS ARE ADVISED TO CONFIRM IN ADVANCE OF NEED THAT THE INFORMATION IS CURRENT, APPLICABLE AND SUITABLE FOR THEIR CIRCUMSTANCES. TO OUR KNOWLEDGE, THIS MSDS COMPLIES WITH 29CFR 1910, 1200.**