



## SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

### 1.1 Product identifier

Trade name: Earth Shield® Type NB190® Adhesive  
Brand: Earth Shield®

### 1.2 Relevant identified uses of the substance or mixture and uses advised against

Relevant identified uses: Adhesive.  
Uses advised against: All other uses.

### 1.3 Details of the supplier of the Safety Data Sheet

J P Specialties, Inc.  
25811 Jefferson Ave,  
Murrieta, CA 92562,  
USA

Phone: +1 951-763-7077  
Website: [www.jpspecialties.com](http://www.jpspecialties.com)

## SECTION 2: HAZARDS IDENTIFICATION

### 2.1 Classification of the substance or mixture

**Classification according to OSHA Hazardous Communication Standard 29 CFR 1910.1200.**

Skin Irritation, Category 2  
Skin Sensitization, Category 1  
Eye Irritation, Category 2

### 2.2 Label elements

**Labelling according to OSHA Hazardous Communication Standard 29 CFR 1910.1200.**



**Signal word:** Warning

### Hazard statements:

H314: Causes skin irritation.  
H317: May cause an allergic skin reaction.  
H318: Causes serious eye irritation.

### Precautionary statements:

P264: Wash thoroughly after handling.  
P303+P361+P353: IF ON SKIN (or hair): Remove immediately all contaminated clothing. Rinse skin with water/shower.  
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do — continue rinsing.  
P333+P313: If skin irritation or rash occurs: Get medical advice/attention.  
P337+P313: If eye irritation persists: Get medical advice/attention.



### SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

This product does contain hazardous chemicals according to the OSHA Hazardous Communication Standard 29 CFR 1910.1200.

#### Ingredients:

Name	CAS No.	GHS classification	% (w/v)
Amino silane	1760-24-3	Skin Irrit. 2, H315 Skin Sens. 1, H317 Eye Irrit. 2, H319	1 – 5

The exact percentages (concentration) of composition have been withheld as a trade secret.

### SECTION 4: FIRST AID MEASURES

#### 4.1 Description of first aid measures

- Following inhalation:** An unlikely route of entry. Remove to fresh air. Consult a physician.
- Following skin contact:** Clean product from affected area with Ethyl alcohol, then wash with soap and water.
- Following eye contact:** Flush with large amounts of water for at least 15 minutes. Consult a physician if ill effects or irritation occurs.
- Following ingestion:** An unlikely route of entry. Consult a physician.
- Protection of first aider:** Not applicable.

#### 4.2 Most important symptoms and effects

**Symptoms:** The known symptoms and effects are described in section 2.2 of this SDS.

**Risks:** Untreated symptoms may result in additional health risks.

#### 4.3 Indication of any immediate medical and special treatment

The physician may contact the national poison center for advice.

### SECTION 5: FIREFIGHTING MEASURES

#### 5.1 Extinguishing media

**Suitable extinguishing media:** Water fog. Foam. Dry chemical powder. Alcohol foam. Carbon dioxide (CO<sub>2</sub>).

**Unsuitable extinguishing media:** No data available.



### 5.2 Specific hazards arising from mixture

Decomposition materials may include the following materials: carbon dioxide; carbon monoxide; sulfur oxides; hydrogen sulfide.

### 5.3 Advice for fire fighters

#### Special protective equipment for firefighters:

As in any fire, wear self-contained breathing apparatus pressure-demand and full protective gear.

### 5.4 Other information

No other information available.

## SECTION 6: ACCIDENTAL RELEASE MEASURES

### 6.1 Personal precautions, protective equipment and emergency procedures

No action shall be taken involving any personal risk or without suitable training. Put on appropriate personal protective equipment.

### 6.2 Environmental precautions

None require if used according to recommended conditions.

### 6.3 Methods and material for containment and cleaning up

Collect spill with absorbent material such as cardboard; allow to cure and place into container approved for waste disposal.

## SECTION 7: HANDLING AND STORAGE

### 7.1 Precautions for safe handling

Put on appropriate personal protective equipment (see Section 8). Avoid eye, skin, and clothing contact.

### 7.2 Conditions for safe storage, including any incompatibilities

**Storage Conditions:** Store in a cool dry place.

**Incompatible materials:** See section 10.

### 7.3 Specific end uses

See section 1.2.

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1 Control parameters

No data available.

### 8.2 Exposure controls

**Engineering controls:**



Good general ventilation should be sufficient to control worker exposure to airborne contaminants.

**Personal Protective equipment:**

Hand: Wear protective gloves.  
Body protection: Impervious clothing.  
Eye: Safety goggles or face shield.  
Respiratory: No specific controls are needed.  
Other measures: No statement available.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance:</b>	Paste
<b>Color:</b>	Grey
<b>Odor:</b>	Mild mint
<b>Odor threshold:</b>	No data available
<b>pH:</b>	No data available
<b>Melting point/range:</b>	No data available
<b>Boiling point/range:</b>	No data available
<b>Flash point:</b>	No data available
<b>Evaporation rate:</b>	No data available
<b>Flammability:</b>	No data available
<b>Upper/lower flammability or explosive limits:</b>	No data available
<b>Vapor pressure:</b>	No data available
<b>Vapor density:</b>	No data available
<b>Relative Density:</b>	No data available
<b>Solubility(ies):</b>	No data available
<b>Partition coefficient (n-octanol/water):</b>	No data available
<b>Auto-ignition temperature:</b>	No data available
<b>Decomposition temperature:</b>	No data available
<b>Viscosity:</b>	No data available
<b>Explosive properties:</b>	No data available
<b>Oxidizing properties:</b>	No data available

## SECTION 10: STABILITY AND REACTIVITY

### 10.1 Reactivity

No specific test data related to reactivity available for this product or its ingredients.

### 10.2 Chemical stability

Stable under normal conditions.

### 10.3 Possibility of hazardous reactions

Under normal conditions of storage and use, hazardous reactions will not occur.



#### **10.4 Conditions to avoid**

None.

#### **10.5 Incompatible materials**

Reactive or incompatible with the following materials: oxidizing materials. Non-reactive or compatible with the following materials: reducing materials, combustible materials, organic materials, metals, acids, alkalis, and moisture.

#### **10.6 Hazardous decomposition products**

Thermal decomposition may produce toxic fumes of CO and CO<sub>2</sub>.

### **SECTION 11: TOXICOLOGICAL INFORMATION**

#### **General information:**

This product does not contain known human carcinogens.

#### **11.1 Information on toxicological effects**

##### **Acute Toxicity:**

No statements available for any of the ingredients.

##### **Skin corrosion/irritation:**

Causes skin irritation.

##### **Serious eye damage/irritation:**

Causes serious eye irritation.

##### **Respiratory or skin sensitization:**

May cause an allergic skin reaction.

##### **Germ cell mutagenicity:**

No statements available for any of the ingredients.

##### **Carcinogenicity:**

This product does not contain known human carcinogens.

##### **Reproductive toxicity:**

No statements available for any of the ingredients.

##### **STOT – single exposure:**

No statements available for any of the ingredients.

##### **STOT – repeated exposure:**

No statements available for any of the ingredients.

##### **Aspiration hazard:**

No statements available for any of the ingredients.

##### **Likely route(s) of exposure:**

Skin exposure and eye exposure are the most likely to occur. Accidental ingestion is also possible.



## SECTION 12: ECOLOGICAL INFORMATION

### **General information:**

No statements available for any of the ingredients.

### **12.1 Toxicity**

No statements available for any of the ingredients.

### **12.2 Persistence and degradability**

### **Physical- and photochemical elimination:**

No statements available for any of the ingredients.

### **Biodegradation:**

Not easily biodegradable.

### **12.3 Bioaccumulative potential**

No statements available for any of the ingredients.

### **12.4 Mobility in soil**

### **Known/Predicted environmental distribution:**

No statements available for any of the ingredients.

### **Surface tension:**

No statements available for any of the ingredients.

### **Adsorption/Desorption:**

No statements available for any of the ingredients.

### **12.5 Results of PBT and vPvB assessment**

This product does not contain components which are considered to be persistent, bioaccumulative and toxic (PBT) or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

### **12.6 Other adverse effects**

No statements available for any of the ingredients.

## SECTION 13: DISPOSAL CONSIDERATIONS

### **13.1 Waste treatment methods**

#### **Product:**

Can be disposed of with household garbage after consulting with the waste disposal facility operator and the pertinent authorities and adhering to the necessary technical regulations. Smaller quantities can be disposed of with household waste.

#### **Waste material:**

Disposal must be made according to official regulations.



## SECTION 14: TRANSPORT INFORMATION

### 14.1 UN number

ADR/RID/IDMG/IATA: Non-regulated

### 14.2 UN proper shipping name

ADR/RID/IDMG/IATA: Non-regulated

### 14.3 Transport hazard class(es)

ADR/RID/IDMG/IATA: Non-regulated

### 14.4 Packing group

ADR/RID/IDMG/IATA: Non-regulated

### 14.5 Environmental hazards

ADR/RID/IDMG/IATA: Non-regulated

### 14.6 Special precautions for user

No statements available.

### 14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

Not applicable, as product is not shipped in bulk.

## SECTION 15: REGULATORY INFORMATION

### International Inventories

**TSCA:** Complies

**DSL:** No components are listed either on the DSL or NDSL.

**TSCA - United States Toxic Substances Control Act Section 8(b) Inventory DSL/NDSL -**  
Canadian Domestic Substances List/Non-Domestic Substances List.

### US Federal Regulations

SARA 313: Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

### SARA 311/312 Hazard Categories

Acute health hazard: No

Chronic Health Hazard: No

Fire hazard: No

Sudden release of pressure hazard: No

Reactive Hazard: No

### CWA (Clean Water Act)

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

### CERCLA

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40



CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material.

#### **U.S. State Regulations**

##### **California Prop 65, Safe Drinking Water and Toxic Enforcement Act of 1986**

This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

#### **Canada**

##### **WHMIS Hazard Class**

Not determined.

## **SECTION 16: OTHER INFORMATION**

#### **Further information**

The information presented in this Safety Data Sheet (SDS) is accurate to the best of our knowledge at the date of publication. The information given within the SDS is meant solely as a guide for safe handling, use, transportation, processing, storage, release and disposal. In no means can the information within the SDS be considered as a warranty or specification for quality.