

# Material Safety Data Sheet

## PC-Wood Guardian™ (EPA Reg. No. 64405-8-81067)

### Section I

<b>Distributor's Name and Address</b> Protective Coating Company, Inc. 221 South Third Street Allentown, PA 18102-4922	<b>Telephone Number for Information</b> 800-220-2103 610-432-3543 www.pcepoxy.com
<b>Manufacturer's Name and Address</b> Nisus Corporation 100 Nisus Drive Rockford, TN 37853	
<b>Date Prepared</b> September 8, 2009	<b>Signature of Preparer (optional)</b>

### Section II: Hazard Ingredients / Identity Information

Hazardous Components	OSHA PEL	ACGIH TLV	Other Limits	Percent (optional)
Disodium Octaborate Tetrahydrate CAS Number 12280-03-4	15 mg/m <sup>3</sup> (total dust) 5 mg/m <sup>3</sup> (respirable dust)	10 mg/m <sup>3</sup>	None	98%

### Section III: Physical/Chemical Characteristics

<b>Appearance:</b> White powder	<b>Specific Gravity:</b> 320 to 480 kg/m <sup>3</sup>
<b>Odor:</b> Odorless	<b>Solubility in Water:</b> 9.7% @ 20°C; 34.3% @ 50°C
<b>Boiling Point:</b> Not Applicable	<b>Freeze Point:</b> Not Applicable
<b>Vapor Pressure (mm Hg):</b> Negligible @ 20°C	<b>Evaporation Rate:</b> Not Determined
<b>Vapor Density (AIR = 1):</b> Not Determined	<b>Melting Point:</b> 815°C
<b>Physical State:</b> Powder	<b>Odor Threshold:</b> Not Applicable
<b>Aerosol % VOC (w/w):</b> Not Applicable	<b>Aerosol Percent Volatile:</b> Not Applicable
<b>pH:</b> 8.3 (3% solution) 7.6 (10% sol.)	<b>Coefficient of Water/Oil:</b> Not Applicable

### Section IV: Fire and Explosion Hazard Data

<b>Flash Point (Test Method):</b> Not Applicable	<b>Flammable Limits:</b>	<b>LEL:</b> Not Applicable	<b>UEL:</b> Not Applicable
<b>Extinguishing Media:</b> Any extinguishing media may be used on nearby fires.			
<b>Special Fire Fighting Procedures:</b> None (product is not flammable, combustible or explosive). The product itself is a flame retardant.			
<b>Unusual Fire and Explosion Hazards:</b> None.			
<b>Aerosol Flammability (flame projection):</b> Not Applicable		<b>Flashback:</b> Not Applicable	
<b>Autoignition Temperature:</b> Not Applicable		<b>Sensitivity to Impact:</b> Not Applicable	
		<b>Sensitivity to Static:</b> Not Applicable	
<b>Hazardous Combustion Products:</b> None			

### Section V: Reactivity Data

<b>Stability:</b> Stable	<b>Conditions to Avoid:</b> None known
<b>Incompatibility (Materials to Avoid):</b> None known	<b>Hazardous Decomposition or Byproducts:</b> None known
<b>Hazardous Polymerization:</b> Will not occur	<b>Conditions to Avoid:</b> None known

### Section VI: Health Hazard Data

<b>Route(s) of Entry:</b> Inhalation	
<b>Health Hazards (Acute and Chronic)</b>	
<b>Ingestion:</b> Harmful if swallowed. Acute oral toxicity; LD <sub>50</sub> = 2550 mg/kg bwt (rats)	<b>Inhalation:</b> Acute inhalation toxicity: LC <sub>50</sub> > 2 mg/L (or g/m <sup>3</sup> ) (rats)
<b>Skin Contact:</b> Non-irritant	<b>Eye Contact:</b> Causes moderate eye irritation. Draize test in rabbits produced mild eye irritation effects.
<b>Dermal:</b> Acute dermal toxicity; LD <sub>50</sub> > 2000 mg/kg bwt (rabbits)	<b>Skin Sensitization:</b> Not considered a sensitizer
<b>Chronic:</b> No effects known	<b>Synergistic Materials:</b> None known

### Section VI: Health Hazard Data (continued)

<b>Effects of Acute Exposure:</b> None expected	<b>Effects of Chronic Exposure:</b> None known
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<b>Reproductive Hazard Potential:</b> Not a hazard	<b>Mutagenicity:</b> Not a mutagen
<b>Teratogenicity:</b> Not a teratogen	<b>Synergistic Materials:</b> None known
<b>Carcinogenicity:</b> Not a carcinogen	
<b>Emergency and First Aid Procedures</b>	
Have the product container or label with you when calling a poison control center or doctor or going for treatment. You may also contact 1-800-424-9300 for emergency medical treatment information.	
<b>Ingestion:</b> Immediately call a poison control center or doctor for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by the poison control center or doctor. Do not give anything by mouth to an unconscious person.	<b>Eye Contact:</b> Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for further treatment advice.
<b>Skin Contact:</b> Take off contaminated clothing. Immediately rinse skin with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.	<b>Inhalation:</b> Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible. Call a poison control center or doctor for further treatment advice.

#### Section VII: Precautions for Safe Handling and Use

<b>Steps to be Taken in Case Material is Released or Spilled:</b> This product is a water-soluble white powder that may, at high concentrations, cause damage to trees or vegetation by root absorption. <b>Land Spill:</b> Vacuum, shovel or sweep up and place in container for disposal in accordance with applicable local regulations. Avoid contamination of bodies of water during cleanup and disposal. <b>Water Spill:</b> Where possible, remove any intact containers from the water. Advise local water authority that none of the affected water should be used for irrigation or for the abstraction of potable water until natural dilution returns the boron value to its normal environmental background level.
<b>Waste Disposal Method: Individual Containers: If empty:</b> Do not reuse this container. Place in trash or offer for recycling if available. <b>If partly filled:</b> Call your local solid waste agency (or 1-800-CLEANUP) for disposal instructions. Never place unused product down any indoor or outdoor drain. <b>Large Amounts:</b> Dispose of according to local, state and Federal guidelines/regulations.
<b>Precautions to be Taken in Handling and Storing:</b> Do not contaminate water, food or feed by storage or disposal. Store in a dry place. Do not store where children or animals may gain access.

#### Section VIII: Controls Measures

<b>Respiratory Protection:</b> None required	
<b>Ventilation:</b> Local exhaust	
<b>Protective Gloves:</b> Not required	<b>Eye Protection:</b> Not required
<b>Other Protective Clothing/Equipment:</b> None required	<b>Work/Hygienic Practices:</b> Normal, routine

#### Section IX: General Regulatory Information

Disodium octaborate tetrahydrate is considered to be a nuisance dust by OSHA, Cal OSHA and ACGIH. Large amounts can be harmful to plants and other species; therefore, minimize environmental releases.		
<b>RCRA:</b> Disodium octaborate tetrahydrate is not listed as a hazardous waste under any section of the Resource Conservation and Recovery Act (RCRA) or regulations (40 CFR 261 <i>et. seq.</i> ).		
<b>California Proposition 65:</b> Disodium octaborate tetrahydrate is not listed on the Proposition 65 list of carcinogens or reproductive toxicants.		
<b>Superfund:</b> CERCLA/SARA: Disodium octaborate tetrahydrate is not listed.		
<b>Safe Drinking Water Act (SDWA):</b> Disodium octaborate tetrahydrate is not regulated under the SDWA, 42 USC 300g-l, 40 CFR 141 <i>et. seq.</i> Consult state and local regulations for possible water quality advisories regarding boron compounds.		
<b>Clean Water Act (CWA) (Federal Water Pollution Control Act):</b> 33 USC 1251 <i>et. seq.</i> : Disodium octaborate tetrahydrate is not itself a discharge covered by any water quality criteria of Section 304 of the CWA, 33 USC 1314. It is not on the Section 307 List of Priority Pollutants, 33 USC 1317, 40 CFR 129; it is not on the Section 311 List of Hazardous Substances, 33 USC 1321, 40 CFR 116.		
<b>DOT Transport Information</b>		
<b>Shipping Name:</b> Not Regulated	<b>Hazard Class:</b> Not Regulated	<b>Identification Number:</b> Not Regulated

The information provided herein was believed to be accurate at the time of preparation from a compilation of sources believed to be reliable, but it is the responsibility of the user to investigate and understand other pertinent sources of information, to comply with all laws and procedures applicable to the safe handling, storage and use of this product and to determine the suitability of the product for its intended use.