

**Section 1: Identification**

**Product Name** EMCoat HD Paint  
**Product Code** 4PA079  
**Manufacturer** Faraday Structures  
830 E. South Flat Rd  
Cleveland, UT 84518  
[www.faradaystructures.com](http://www.faradaystructures.com)  
**Telephone (General)** (435) 654-3683

**Section 2: Hazard(s) Identification**

**GHS Ratings:** There are no GHS ratings that apply to this product at this time

**Classification of the Substance or Mixture:**  
There is no classification of this mixture

**GHS Label Elements:**  
**Hazard Pictogram:** There is no applicable Hazard Pictogram

**Signal Word:** There is no applicable Signal Word

**Hazard Statement:** There are no GHS hazards that apply to this product at this time

**Precautionary statements:**

**General:** Read label before use  
**Prevention:** Use proper "personal protective equipment" (PPE); gloves, eye and face protection, protective clothing.  
**Response:** If you feel unwell following exposure, seek medical attention.  
**Storage:** Store in dry location at temperatures between 50 °F – 90 °F (10 °C – 33 °C).  
**Disposal:** Dispose of contents and container in accordance with all local, regional, national, and international regulations.  
**Supplemental label:** Contains isothiazolinones. May cause allergic reaction. Emits toxic fumes when heated.  
Percentage of the mixture consisting of ingredients of unknown acute toxicity: < 30% (oral), <30% (dermal), <30% inhalation.

**Hazards not otherwise classified:** None known.

**Section 3: Composition/Information on Ingredients**

**Substance / mixture:** Mixture.

Ingredient Name	Typical Composition	C.A.S. Number	EINECS Number
Nickel (Ni)	0 - 25 %	7440-02-0	2311114
1-(2-butoxy-1-methylethoxy)propan-2-ol	1 – 5%	29911-28-2	

Based on product and formula knowledge of the manufacturer there are no additional ingredients present which are classified as hazardous to health and thereby are not required to be reported in this section.

**Section 4: First-Aid Measures**

- INHALATION:** Remove to fresh air. If not breathing, give artificial respiration, preferably mouth to mouth. Qualified personnel may give oxygen if breathing is difficult. Seek medical attention.
- INGESTION:** Rinse mouth with water. Do not induce vomiting. Seek medical attention. Never induce vomiting or give anything by mouth to an unconscious person.
- SKIN:** Remove contaminated clothing, wash affected area with soap and warm water. To avoid further irritation, do not rub or scratch the irritated areas. Seek medical attention if symptoms develop or persist.
- EYES:** Immediately flush eyes with lukewarm water, including under eyelids, for at least 15 minutes. Seek medical attention.
- MOST IMPORTANT SYMPTOMS/EFFECTS, ACUTE AND DELAYED:** May cause skin irritation. See section 11 for more information.

### Section 5: Fire-Fighting Measures

- EXTINGUISHING MEDIA:** Use extinguishing agent suitable for surrounding material and type of fire
- UNSUITABLE EXTINGUISHING MEDIA:** No information available
- SPECIFIC HAZARDS ARISING FROM THE MATERIAL:** May emit carbon oxides and / or toxic metal oxide fumes under fire conditions.

### Section 6: Accidental Release Measures

- PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT, AND EMERGENCY PROCEDURES:** Avoid contact with skin, eyes, or clothing. Wear appropriate NIOSH-approved respirators if collection and disposal of dust is likely. Clean up material and put into a suitable container and dispose in accordance with applicable regulations.
- SPILL / LEAK PROCEDURES:** Use personal protective equipment. Ensure adequate ventilation. Remove all sources of ignition. Beware of vapors accumulating to form explosive concentrations. Prevent product from entering drains. Prevent further leakage or spillage if safe to do so.
- SMALL SPILLS:** Contain spillage, then collect with non combustible absorbent material. Put contaminated materials into a metal container and do not seal. If risk of fire is suspected cover collected materials with a layer of water.
- LARGE SPILLS:** Contain spillage, then collect with non combustible absorbent material. Put contaminated materials into a metal container and do not seal. If risk of fire is suspected cover collected materials with a layer of water. Contact emergency services if danger is present.

### Section 7: Handling and Storage

**PRECAUTIONS FOR SAFE HANDLING:**

**PROTECTIVE MEASURES:** Wear appropriate personal protective equipment (see Section 8). Avoid exposure to the liquid material during pregnancy. Do not allow contact with eyes or mucous membranes. The dry form of this material contains fibers and is electrically conductive. User generated airborne particulates are electrically conductive and may create electrical short circuits that could result in damage to and malfunction of electrical equipment and/or personal injury.

Store in in the original supplied container, with the lid firmly closed, when not in use. Do not store near acids. Store at temperatures between 50 °F – 90 °F (10 °C – 33 °C).

If ventilation alone cannot control exposure to vapor and dust, use respirators approved for the purpose.

## Section 8: Exposure Controls/Personal Protection

### NO REPORTABLE QUANTITIES OF HAZARDOUS MATERIALS PRESENT

**EYE/FACE PROTECTION:** Avoid eye contact. Wear coverall goggles, as necessary.

**SKIN PROTECTION:** Wear chemical resistant, impervious, disposable gloves to protect hands. Wear protective clothing such as a loose fitting long sleeved shirt that covers the arms and neck, long pants, and shoes that cover the entire foot.

**RESPIRATORY PROTECTION:** Not ordinarily required. If sufficient vapor or fumes are generated during application, use a NIOSH approved organic vapor respirator or a nuisance dust mask.

**VENTILATION:** Use local exhaust sufficient to control vapor, particulates, or dust, to below acceptable exposure limits. If exhaust ventilation is not available or is inadequate, use a NIOSH approved respirator, as appropriate. Discharge from the ventilation system should comply with applicable air pollution control regulations. Electrical systems, in areas where the product is handled, must be suitable for operation in an environment containing electrically conductive dust, fibers or particulate.

**GENERAL HYGIENE RECOMMENDATIONS:** Before eating, drinking, smoking, or using toilet facilities, wash face and hands thoroughly with soap and water. Use vacuum equipment to remove dry product, dust, fibers, or particulate from clothing and work areas. Use of compressed air is not recommended.

## Section 9: Physical and Chemical Properties

Physical state:	Liquid
Color:	Medium gray
Odor:	Not available
pH:	Not available
Viscosity:	N/A
Boiling point	> 38 °C (> 100 °F)
Flash Point	Not applicable
Evaporation Rate:	Not available
Flammability:	N/A
Auto-ignition temperature:	N/A
Decomposition temperature:	N/A
Lower explosive limit:	Unknown
Upper explosive limit:	Unknown
Vapor pressure:	N/A
Vapor density:	>1
Relative density:	n/a
Specific gravity:	> 1.2 g/cm <sup>3</sup>
Solubility	Liquid form is soluble in water
Partition coefficient:	n/a
Viscosity:	not determined
Percent Solids:	50% by volume

### Section 10: Stability and Reactivity

**REACTIVITY:** This product is stable.

**CHEMICAL STABILITY:** This product is stable, however, the nickel present in the formula may react vigorously with acids to liberate hydrogen which can form explosive mixtures with air.

**POSSIBILITY OF HAZARDOUS REACTIONS:** Under normal conditions of storage and use, no hazardous reactions are known.

**CONDITIONS TO AVOID:** High temperatures.

**HAZARDOUS DECOMPOSITION:** Avoid inhalation of decomposition products.

**HAZARDOUS POLYMERIZATION:** Will not occur.

### Section 11: Toxicological Information

Nickel LD50 ORAL RAT >9000 mg/kg

Evidence for the association of nickel compound exposures and cancer risk comes mainly from workers in now obsolete nickel refining operations where very high concentrations of airborne nickel, mostly present as oxidic or sub-sulphidic species at up to 100 mg/m<sup>3</sup> or more, were associated with excess nasal and lung cancers. The inhalation of nickel powder has not resulted in an increased incidence of malignant lung tumors in rodents. Repeated intratracheal instillation of nickel powder produced an increased incidence of malignant lung tumors in rats. Repeated intratracheal instillation of nickel powder did not produce an increased incidence of malignant lung tumors in hamsters when administered at the maximum tolerated dose. Single intratracheal instillations of nickel powder in hamsters at doses near the LD50 produced an increased incidence of fibro-sarcomas, mesotheliomas and rhabdomyosarcomas. Inhalation of nickel powder at concentrations 15 times the TLV irritated the respiratory tract in rodents.

Animal experiments indicate that soluble nickel ingestion causes adverse effects on fetal development at a threshold oral exposure of 2.2 mg/ Ni/kg/day by pregnant rats. Data are insufficient to determine if this effect occurs in humans and no regulatory agency has classified soluble forms of nickel as reproductive risks for humans. No soluble nickel is found in this product as formulated.

**INFORMATION ON TOXICOLOGY EFFECTS:**

**ACUTE TOXICITY:**

Product / Ingredient	Result	Species	Dose	Exposure
1-(2-butoxy-1-methylethoxy)propan-2-ol	LC50 Inhalation dust and mist	Rat	5.4 mg/l	4 hours
	LC50 Dermal	Rat	> 2000 mg/kg	-
	LC50 Oral	Rat	4.05 g/kg	-

Conclusion / Summary      There are no data available on the mixture itself.

**IRRITATION / CORROSION:**

Conclusion / Summary

Skin                              There are no data available on the mixture itself.  
 Eyes                              There are no data available on the mixture itself.  
 Respiratory                      There are no data available on the mixture itself.

**SENSITIZATION:**

Conclusion / Summary

Skin                              There are no data available on the mixture itself.  
 Respiratory                      There are no data available on the mixture itself.

**MUTAGENICITY:**

Conclusion / Summary    There are no data available on the mixture itself.

**CARCINOGENICITY:**

Conclusion / Summary    There are no data available on the mixture itself.

**REPRODUCTIVE TOXICITY:**

Conclusion / Summary    There are no data available on the mixture itself.

**TERATOGENICITY:**

Conclusion / Summary    There are no data available on the mixture itself.

**SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE):**    Not available.

**SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE):**    Not available

**TARGET ORGANS:**    Contains material which may cause damage to the following organs: liver, upper respiratory tract.

**ASPIRATION HAZARD:**    Not available.

**INFORMATION ON THE LIKELY ROUTES OF EXPOSURE:**

**POTENTIAL ACUTE HEALTH AFFECTS:**

Eye Contact:    No known significant effects or critical hazards.  
 Inhalation:    No known significant effects or critical hazards.  
 Skin Contact:    No known significant effects or critical hazards.  
 Ingestion:    No known significant effects or critical hazards.

**OVER EXPOSURE SIGNS / SYMPTOMS:**

Eye Contact:    No specific data.  
 Inhalation:    No specific data.  
 Skin Contact:    No specific data.  
 Ingestion:    No specific data.

**DELAYED OR IMMEDIATE EFFECTS AND ALSO CHRONIC EFFECTS FROM SHORT AND LONG TERM EXPOSURE**

**CONCLUSION / SUMMARY:**    There are no data available on the mixture itself. Contains isothiazolinones. May cause allergic reaction. If splashed in the eyes, the liquid may cause irritation and reversible damage. Ingestion may cause nausea, diarrhea and vomiting. This takes into account, where known, delayed and immediate effects and also chronic effects of components from short-term and long-term exposure by oral, inhalation and dermal routes of exposure and eye contact.

**SHORT TERM EXPOSURE:**

Potential Immediate Effects:    There are no data on the mixture itself.  
 Potential Long Term Effects:    There are not data on the mixture itself.

**LONG TERM EXPOSURE:**

Potential Immediate Effects:    There are no data on the mixture itself.  
 Potential Long Term Effects:    There are not data on the mixture itself.

**POTENTIAL CHRONIC HEALTH EFFECTS:**

General:    No known significant effects or critical hazards.  
 Carcinogenicity:    No known significant effects or critical hazards.  
 Mutagenicity:    No known significant effects or critical hazards.  
 Reproductive Toxicity:    No known significant effects or critical hazards.

**Section 12: Ecological Information**

**TOXICITY:**

Product / Ingredient	Result	Species	Exposure
1-(2-butoxy-1-methylethoxy)propan-2-ol	Acute LC50 841 mg/l	Fish	96 hours

**PERSISTENCE AND DEGRADABILITY:**

Product / Ingredient	Test	Result	Dose	Inoculum
1-(2-butoxy-1-methylethoxy)propan-2-ol	OECD 302B	96% readily – 28 days	-	-

**BIOACCUMULATIVE POTENTIAL:**

Product / Ingredient	LogP <sub>ow</sub>	BCF	Potential
1-(2-butoxy-1-methylethoxy)propan-2-ol	1.523	-	Low

**MOBILITY IN SOIL:** Not available.

**Section 13: Disposal Considerations**

Material for disposal should be placed in appropriate sealed containers to avoid potential human and environmental exposure. It is the responsibility of the generator to comply with all federal, state, and local laws and regulations. We recommend that you contact an appropriate waste disposal contractor and environmental agency for relevant laws and regulations. Under the U.S., Resource Conservation and Recovery Act (RCRA), it is the responsibility of the user of the product to determine at the time of disposal, whether the product meets relevant waste classification and to assure proper disposal.

Nickel-containing waste can be collected to recover nickel values. Should nickel recovery be implemented, follow EPA and local regulations.

The generation of waste should be minimized or avoided wherever possible.

**Section 14: Transport Information**

	DOT	IMDG	IATA
UN Number	Not Regulated	Not Regulated	Not Regulated
UN Proper Shipping Name	-	-	-
Transport Hazard Class	-	-	-
Packing Group	-	-	-
Environmental Hazards	No	No	No
Marine Pollutant Substances	Not Applicable	Not Applicable	Not Applicable

**SPECIAL PRECAUTIONS FOR USER:** Always transport in sealed, upright, containers.

**Section 15: Regulatory Information**

**TSCA Listed:** Nickel is listed on the TSCA inventory. Partially fluorinated alcohol, reaction products are listed.

**HMIS Ratings:** Health: 1 Flammability: 0 Physical: 0

**NFPA Ratings:** Health: 1 Flammability: 0 Instability: 0

**SARA Title III:** This product contains metallic nickel which is subject to the reporting requirements of SARA Title III Section 313 of the Emergency Planning and Community Right-to-Know Act of 1986 and of 40 CFR 372:

**SARA 311/312:**
**Classification:** Not applicable

**Composition/information on ingredients:**

Name	Percent	Classification
1-(2-butoxy-1-methylethoxy)propan-2-ol	1 – 5	Eye Irritation – Category 2A

**California Prop. 65:** This product contains chemicals known to the state of California to cause cancer and birth defects or other reproductive harm. As indicated in Title 22 of the California Code of Regulations Section 12707(b)(5), for purposes of Proposition 65, nickel and nickel compounds present no significant risk of cancer by the route of ingestion.

Refer to the Composition section (Section 3) of this SDS for appropriate CAS numbers and percent by weight.

<b>Section 16: Other Information</b>
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Explanation and Disclaimer: Wherever such words or phrases as "hazardous," "toxic," "carcinogen," etc. appear herein, they are used as defined or described under state employee right-to-know laws, Federal OSHA laws or the direct sources for these laws such as the International Agency for Research on Cancer (IARC), the National Toxicology Program (NTP), etc. The use of such words or phrases should not be taken to mean that we deem or imply any substance or exposure to be toxic, hazardous or otherwise harmful. Any exposure can only be understood within the entire context of its occurrence, which includes such factors as the substance's characteristics as defined in the SDS, amount and duration of exposures, other chemicals present and preexisting individual differences in response to the exposure.

The data provided in this SDS is based on the information received from our raw material suppliers and other sources believed to be reliable. We are supplying you this data solely in compliance with the Federal OSHA Hazard Communication Standard, 29 CFR 1910.1200 and other Federal and state laws as described in Section 15: Regulatory Information. This SDS and the information in it are not to be used for purposes other than compliance with the Federal OSHA Hazard Communication Standard.

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Revision History		
Revision	Effective Date	Summary of Changes
0	3/20/2024	Initial version



**SDS-016 EMCoat HD 4PA079  
SAFETY DATA SHEET**