SAFETY DATA SHEET (SDS)

OSHA Hazard Communication Standard 29 CRR 1910.1200.
Prepared to GHS Rev 04.

Reviewed on 11/15/2016

Section 1 – Product and Company Identification

- **Product Identifier**
  Trade Name: EonCoat PART – B
  Product Number: EonCoat Part – B
  Product Description: Anti-corrosion coating for steel structure. None Hazardous – Non Toxic –Environment Safe – Water Based.
- **Details of the Supplier of the Safety Data Sheet**
  Manufacturer/Supplier:
  EonCoat LLC
  551 Pylon Dr. # D
  Raleigh, NC 27606
  Phone: 1-754-222-4919
  www.eoncoat.com
  Emergency Phone: 1-754-222-4919
  Transportation Emergency: 1-800-424-9300
  EonCoat is a federally registered trademark.

Section 2 – Hazards Identification

- **Classification of the Substance or mixture**

Corrosion Exclamation Mark

Causes mild skin burn and severe eye damage.
Causes moderate corrosion to metal.
Causes irritation to respiratory track.

- **Label Elements**
  This product is classified and labeled according to the Globally Harmonized System (GHS)
- **Hazard Pictograms**

H290; H320; H315; H-302

Signal Word: Warning
Hazard-determining Components of Labeling: Alkali slurry
Hazard Statements: H290 – May be corrosion to metal; H320 – Causes eye irritation; H315 – Causes skin irritation; H302 – Harmful if swallowed.
Precautionary Statements:
P233 - Keep container tightly closed.
P243 - Take precautionary measures against static discharge.
P261 - Avoid breathing dust, fume, gas, mist, vapors and/or spray.
P264 - Wash thoroughly after handling.
P280 - Wear protective gloves/protective clothing/eye protection/face protection.
P370+P378 - In case of fire: Use appropriate media for extinction.
P301+P310 - IF SWALLOWED: Immediately call a doctor/physician.
P312 - Call a POISON CENTER or doctor/physician if you feel unwell.
P302+P352 - IF ON SKIN: Wash with plenty of soap and water.
P362 - Take off contaminated clothing and wash before reuse.
P332+P313 - If skin irritation occurs: Get medical advice/attention.
P321 - Specific treatment, see supplemental first aid information.
P501 - Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.
Classification System: NFPA Definitions: 0-Least, 1-Slight, 2-Moderate, 3-High, 4-Exterme

Health = 1
Fire = 0
Reactivity = 0

Section 3 – Composition/Information on Ingredients

CAS No.	Ingredient	%
7732-18-5	Distilled Water	20-30%

- **Chemical Characterization:** Mixtures
- **Description:** Mixture of substances listed below with nonhazardous additions.
- **Dangerous Components:**

CAS No.	Ingredient	Hazardous Statement	%
1309-42-8	Magnesium Hydroxide	Irritant H315, H320	40-70%
1310-58-3	Potassium Hydroxide	Irritant H315, H320, H302 Corrosive H290	≤ 1%
13983-17-0	Wollastonite – Calcium Silicate	Irritant H315, H320	1-25%
13463-67-7	Titanium Dioxide	Irritant H315, H320	1-5%

Section 4 – First aid Measures

- **Description of first aid measures**
- **General Information:** No special Measures required.

- **After Inhalation:** Supply fresh air; consult doctor in case of complaints.
- **After skin contact:** Generally the product does not irritate the skin. If condition observed immediately wash with water and soap and rinse thoroughly.
- **After eye contact:** Rinse opened eye for several minutes under running water. If symptoms persist consult doctor.
- **After swallowing:** Give large amounts of water. If symptoms persist consult doctor.
- **Most important symptoms and effects, both acute and delayed:** No further relevant information available.
- **Indication of any immediate medical attention and special treatment needed:** No further relevant information available.

Section 5 – Firefighting Measures

- **Extinguishing media**
- **Suitable extinguishing agents:**
  This material is neither flammable nor fuel for flame. Use media such as CO2, extinguishing powder or water spray.
- **Special hazards arising from the substance or mixture:** No further relevant information available.
- **Protective equipment:** No special measure required.

Section 6 – Accidental Release Measures

- **Personal precautions, protective equipment and emergency procedures**
  Wear protective equipment
- **Environmental Precautions:**
  Do not allow to enter sewer/ground water.
- **Methods and material for containment and cleaning up:**
  Absorb with liquid binding material such as sand, acid binder, sawdust.
- **Reference to other sections:**
  No dangerous substances are released.
  See section 7 for information on safe handling.
  See section 8 for information on personal protection equipment.
  See section 13 for disposal information.

Section 7 – Handling and Storage

- **Precautions for safe handling:**
  No special measures required.
- **Information about protection against explosions and fires:**
  No special measures required.
- **Conditions for safe storage, including any incompatibilities:**
  Storage:
  Requirements to be met by storerooms and receptacles: No special requirements.
  Information about storage in one common storage facility: Not required.
  Further information about storage conditions: None
  Specific end use(s): No further relevant information available.

Section 8 – Exposure Controls/Personal Protection

- Additional information about design of technical system: No further data; see section 7.
- **Control parameters**
- Components with occupational exposure limits:

CAS No.	Ingredient	Exposure Limit
7664-38-2	Potassium Hydroxide	PEL – Long term value: 1mg/m^3
		REL – short term value: 3mg/m^3; long term value: 1mg/m^3
		TLV – short term value: 3mg/m^3; long term value: 1mg/m^3
1309-42-8	Magnesium Hydroxide	PEL – Long term value: 15mg/m^3
		REL – short term value: 15mg/m^3; long term value: 10mg/m^3

13983-17-0	Wollastonite – Calcium Silicate	PEL – Long term value: 1mg/m^3 REL – short term value: 3mg/m^3; long term value: 1mg/m^3 TLV – short term value: 3mg/m^3; long term value: 1mg/m^3
13463-67-7	Titanium Dioxide	PEL – Long term value: 15mg/m^3 REL – short term value: 15mg/m^3; long term value: 10mg/m^3

- Additional information: The lists that were valid during the creation were used as basis.
- Exposure controls
- **Personal protective equipment:**
- **General protective and hygienic measures:**
  The usual precautionary measures for handling chemicals should be followed.
- **Breathing equipment:**

  If personal exposure cannot be controlled below applicable limits by ventilation, wear a properly fitted respirator approved by NIOSH/MSHA for protection.
- **Protection of hands:**
  The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture. Select glove material based on penetration times, rates of diffusion and degradation.
- **Material of gloves:**
  The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material cannot be calculated in advance and has therefore to be checked prior to the application.
- **Penetration time of glove material:**
  The exact break-through time has to be determined and observed by the manufacturer of the protective gloves.
- **Eye protection:** Tightly sealed goggles.

Section – 9 Physical and Chemical Properties

- **Information on Physical and Chemical Properties.**

Physical Form	Liquid Slurry	**Appearance/Description**	White. Solid suspended in water.
Color	White	**Odor**	None
Taste	Data lacking	**Odor threshold**	N/A
Boiling Point	N/A	**Melting Point**	Data lacking
Decomposition temperature	Data lacking	**Heat of decomposition**	Data lacking
pH	11-12	**Density**	14.5 lbs./gallon
Water solubility	~0.003% @25C	**Solvent Solubility**	0%
Viscosity	8-12K cP	**Explosive Properties**	Material does not catch fire
Vapor Pressure	Data lacking	**Vapor Density**	Data lacking
VOC (Wt.)	0	**VOC (Vol.)**	0
Flash Point	N/A	**Flammability**	None

Section – 10 Stability and Reactivity

- **Reactivity:** No dangerous reaction known under conditions of normal use.
- **Chemical stability:** Stable under normal temperature and pressure.
- **Possibility of hazardous reactions:** No dangerous reaction known.
- **Conditions to avoid:** No further relevant information available.
- **Incompatible materials:** No further relevant information available.
- **Hazardous decomposition products:** No dangerous decomposition products known.

Section – 11 Toxicological Information

- **Information on toxicological effects**
  Acute toxicity: No data available
- **Primary irritant effect:**
  On the skin: May cause minor irritation
  On the Eye: May cause irritation
  Sensitization: May cause sensitization.
- **Additional toxicological information:** The product is not subject to classification according to internally approved calculation methods for preparation. When used and handled according to specifications, the product does not have any harmful effects according to our experience and the information provided to us.
- **Carcinogenic categories**
- IARC (International Agency for Research on Cancer)
  None of the ingredients is listed.
- NTP (National Toxicology Program)
  None of the ingredients is listed.

Section – 12 Ecological Information

- Toxicity
- **Aquatic toxicity:** No further relevant information available.
- **Persistence and degradability:** No further relevant information available.
- **Bioaccumulative potential** No further relevant information available.
- **Mobility in soil** No further relevant information available.
- **Additional ecological information:**
- **General notes:**
  Water hazard class 1 (Self-assessment): slightly hazardous for water.
  Must not reach bodies of water or drainage ditch undiluted or unneutralized.
- **Results of PBT and vPvB assessment**
  PBT: Not applicable.
  vPvB: Not applicable.
- **Other adverse effects** No further relevant information available.

Section – 13 Disposal Considerations

- **Waste treatment methods:**
  Recommendation:
  Smaller quantities can be disposed of together with household garbage. Do not allow product to reach sewage system.
- **Uncleaned packagings:**
  Recommendation: Disposal must be made according to official regulations.
  Recommended cleansing agent: Water, if necessary with cleansing agents.

Section – 14 Transport Information

- UN-Number
- DOT, ADR, IMDG, IATA Void
- UN proper shipping name None
- DOT, ADR, IMDG, IATA Void
- Transportation Hazard class(es) N/A
- Marine pollutant None
- Specific precaution for users N/A

- Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code — N/A

Section 15 – Regulatory Information

- **Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **Sara**
- Section 355 (extremely hazardous substances):
  None of the ingredients are listed.
- Section 313 (Specific toxic chemical listings):
  None of the ingredients are listed.
- TSCA (Toxic Substances Control Act):
  All ingredients are listed.
- **Proposition 65**
- Chemicals known to cause cancer:
  None of the ingredients are listed.
- Chemicals known to cause reproductive toxicity for females:
  None of the ingredients are listed.
- Chemicals known to cause reproductive toxicity for males:
  None of the ingredients are listed.
- Chemicals known to cause developmental toxicity:
  None of the ingredients are listed.
- **Carcinogenic categories**
- EPA (Environmental Protection Agency)
  None of the ingredients are listed.
- TLV (Threshold Limit Value established by ACGIH)
  None of the ingredients are listed.
- NIOSH-Ca (National Institute for Occupational Safety and Health)
  None of the ingredients are listed.
- GHS label elements
  The product is classified and labeled according to the Globally Harmonized System (GHS).
- **Hazard Pictograms**

H290; H320; H315; H-302

Signal Word: Warning
Hazard-determining Components of Labeling: Alkaline Slurry
Hazard Statements: H290 – May be corrosion to metal; H320 – Causes eye irritation; H315 – Causes skin irritation; H302 – Harmful if swallowed.

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- Chemical safety assessment: A chemical safety assessment has not been carried out.

Section – 16 Other Information

- The information and recommendations in this safety data sheet are, to the best of our knowledge, accurate as of the date of issue. Nothing herein shall be deemed to create warranty, expressed or implied and shall not establish a legally valid contractual relationship. It is the responsibility of the user to determine applicability of this information and the suitability of the material or product for any particular purpose.

- Date of preparation / last revision: 04/23/2016

- Abbreviations and acronyms:
  ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the international Carriage of Dangerous Goods by Road)
  IMDG: International Maritime Code for Dangerous Goods
  DOT: US Department of Transportation
  IATA: International Air Transport Association
  ACGIH: American Conference of Governmental Industrial Hygienists
  EINECS: European Inventory of Existing Commercial Chemical Substances
  ELINCS: European List of Notified Chemical Substances
  CAS: Chemical Abstracts Service (division of the American Chemical Society)
  NFPA: National Fire Protection Association (USA)
  HMIS: Hazardous Materials Identification System (USA)
  PEL: Permissible Exposure Limit
  REL: Recommended Exposure Limit
  TLV: Threshold Limit Value
  Skin Corr. 1A: Skin corrosion/irritation, Hazard Category 1A