1 Identification

- **Product identifier**
  - **Trade name:** BioCorr® Rust Preventative
  - **Application of the substance / the mixture:** Corrosion inhibitors
- **Details of the supplier of the safety data sheet**
  - **Manufacturer/Supplier:**
    Cortec Corporation
    4119 White Bear Parkway
    St. Paul, MN 55110 USA
    Phone (651) 429-1100
    Fax (651) 429-1122
  - **Information department:** compliance@cortecvci.com
  - **Emergency telephone number:**
    Spill, Leak, Fire, Exposure, or Accident
    24 hour CHEMTREC contact:
    USA and Canada 1-800-424-9300
    International +1-703-527-3887 (collect calls accepted)

2 Hazard(s) identification

- **Classification of the substance or mixture**
  - The product is not classified according to the Globally Harmonized System (GHS).
- **Label elements**
  - **GHS label elements:** Void
  - **Hazard pictograms:** Void
  - **Signal word:** Void
  - **Hazard statements:** Void
- **Other hazards**
  - **Results of PBT and vPvB assessment**
    - **PBT:** Not applicable.
    - **vPvB:** Not applicable.

3 Composition/information on ingredients

- **Chemical characterization:** Mixtures
- **Description:** Mixture of the substances listed below with nonhazardous additions.
- **Dangerous components:** Void
- **Additional information**
  - In accordance with paragraph (i) of the OSHA Hazard Communication Standard (29 CFR 1910.1200), the specific chemical identity and/or exact percentage composition has been withheld as a trade secret.
  - For the wording of the listed hazard phrases refer to section 16.

* 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**
  - Immediately wash with water and soap and rinse thoroughly.
  - If skin irritation continues, consult a doctor.

(Contd. on page 2)
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- **After eye contact**
  Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
- **After swallowing**
  If swallowed, rinse mouth with water (only if the person is conscious)
- **Information for doctor**
  Show this safety data sheet to the doctor in attendance.

**Most important symptoms and effects, both acute and delayed**

The symptoms and effects are as expected from the hazards shown in section 2. No specific product related symptoms are known.

**Indication of any immediate medical attention and special treatment needed**

No further relevant information available.

5 Fire-fighting measures

- **Extinguishing media**
- **Suitable extinguishing agents** Use fire fighting measures that suit the environment.
- **Special hazards arising from the substance or mixture**
  No further relevant information available.

6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures**
  Not required.
- **Environmental precautions:**
  Do not allow undiluted product to enter sewers/surface or ground water
- **Methods and material for containment and cleaning up:**
  Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
- **Reference to other sections**
  See Section 7 for information on safe handling
  See Section 8 for information on personal protection equipment.
  See Section 13 for disposal information.

7 Handling and storage

- **Handling**
  No special measures required.
- **Precautions for safe handling**
- **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:**
    Do not store together with acids.
    Store away from foodstuffs.
- **Further information about storage conditions:**
  Keep product from freezing.
- **Specific end use(s)**
  No further relevant information available.

8 Exposure controls/personal protection

- **Control parameters**
- **Components with limit values that require monitoring at the workplace:**
  The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.
- **Additional information:**
  The lists that were valid during the creation were used as basis.
- **Exposure controls**
  General room ventilation should be adequate for normal conditions of use.
Trade name: BioCorr® Rust Preventative

- Personal protective equipment
- General protective and hygienic measures
  The usual precautionary measures for handling chemicals should be followed.
- Breathing equipment:
  Use suitable respiratory protective device when high concentrations are present.
  Not necessary if room is well-ventilated.
- Protection of hands:
  Protective gloves
  The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
  Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation
- Protective Gloves I.E., Nitrile, Viton, Neoprene
- Penetration time of glove material
  The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.
- Eye protection: Goggles recommended during refilling.
- Body protection: Protective work clothing.

9 Physical and chemical properties

- Information on basic physical and chemical properties
- General Information
- Appearance:
  Form: Emulsion
  Color: White
- Odor:
  Odor threshold: Not determined.
- pH-value at 20 °C (68 °F): 8.4-9.1
- Change in condition
  Melting point/Melting range: undetermined
  Boiling point/Boiling range: 100 °C (212 °F) (*)
- Flash point: Not applicable
- Flammability (solid, gaseous) Not applicable.
- Ignition temperature:
  Decomposition temperature: Not determined.
- Auto igniting: Product is not selfigniting.
- Danger of explosion: Product does not present an explosion hazard.
- Explosion limits:
  Lower: Not determined.
  Upper: Not determined.
- Vapor pressure at 20 °C (68 °F): 23 hPa (17 mm Hg) (*)
- Density at 20 °C (68 °F): 1.00-1.01 g/cm³ (8.345-8.428 lbs/gal)
- Relative density Not determined.
- Vapor density Not determined.
- Evaporation rate Not determined.
- Solubility in / Miscibility with
  Water: Fully miscible
10 Stability and reactivity

- Reactivity: Reacts with acids.
- Chemical stability: Stable under recommended storage conditions.
- Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.
- Possibility of hazardous reactions: No dangerous reactions known.
- Conditions to avoid: No further relevant information available.
- Incompatible materials: Acids.
- Hazardous decomposition products: No dangerous decomposition products known.

11 Toxicological information

- Information on toxicological effects
  - Acute toxicity:
  - Primary irritant effect:
    - on the skin: No irritant effect.
    - on the eye: No irritating effect.
    - Sensitization: No sensitizing effects known.
  - Additional toxicological information:
  - The product is not subject to classification according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version:
  - 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)
      Tertiary alkanolamine 3
      132-27-4 sodium 2-biphenylate 2B
      111-42-2 2,2'-iminodiethanol 2B
    - NTP (National Toxicology Program)
      None of the ingredients is listed.
    - OSHA-Ca (Occupational Safety & Health Administration)
      None of the ingredients is listed.

12 Ecological information

- Toxicity
- Aquatic toxicity: No further relevant information available.
13 Disposal considerations

- Waste treatment methods
- Recommendation Dispose of in accordance with local, state, and federal regulations.
- Uncleaned packagings:
  - Recommendation: Disposal must be made according to official regulations.
  - Recommended cleansing agent: Water, if necessary with cleansing agents.

14 Transport information

- UN-Number
  - DOT, ADR, ADN, IMDG, IATA Void
  - UN proper shipping name
    - DOT, ADR, ADN, IMDG, IATA Void

- Transport hazard class(es)
  - DOT, ADR, ADN, IMDG, IATA Void
  - Class

- Packing group
  - DOT, ADR, IMDG, IATA Void

- Environmental hazards:
  - Not applicable.

- Special precautions for user
  - Not applicable.

- Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code
  - Not applicable.

- UN "Model Regulation": Void

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 is listed.
  - SARA Section 313 (specific toxic chemical listings)
    - 132-27-4 sodium 2-biphenylate
    - 111-42-2 2,2'-iminodiethanol
  - TSCA (Toxic Substances Control Act) (Substances not listed)
    - All ingredients are listed.
· Prop 65 - Chemicals known to cause cancer
  - 132-27-4 sodium 2-biphenylate
  - 111-42-2 2,2':iminodiethanol

· Cancerogenity categories
  · EPA (Environmental Protection Agency)
    None of the ingredients is listed.
  · NIOSH-Ca (National Institute for Occupational Safety and Health)
    None of the ingredients is listed.
  · Canadian Domestic Substances List (DSL) (Substances not listed)
    All ingredients are listed.
  · Philippines Inventory of Chemicals and Chemical Substances (Substances not listed)
    All ingredients are listed.
  · Chinese Chemical Inventory of Existing Chemical Substances (Substances not listed)
    All ingredients are listed.
  · Australian Inventory of Chemical Substances (Substances not listed)
    All ingredients are listed.
  · New Zealand Inventory of Chemicals (Substances not listed)
    All ingredients are listed.
  · Existing Chemical Substances (Substances not listed)
    Soybean Oil Methyl Ester

  · GHS label elements Void
  · Hazard pictograms Void
  · Signal word Void
  · Hazard statements Void

· National regulations

· Technical instructions (air):

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· Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.
Cortec Corporation does not warranty any translation of this SDS not created by Cortec Corporation.

· Date of preparation / last revision 06/29/2017 / -

· 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
  - 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)
  - VOC: Volatile Organic Compounds (USA, EU)
  - PBT: Persistent, Biocumulative and Toxic
Trade name: BioCorr® Rust Preventative

vPvB: very Persistent and very Bioaccumulative
NIOSH: National Institute for Occupational Safety
OSHA: Occupational Safety & Health
TLV: Threshold Limit Value
PEL: Permissible Exposure Limit
REL: Recommended Exposure Limit

* Data compared to the previous version altered.