

Safety Data Sheet:

Revision Date: 11/22/19

Technical Service
(888)780-3229 (Option 2)



Corro Urocrete HD Part C

1. Product and Company Identification

Product Name: Corro Urocrete HD
Product Class: Blended aggregates and Cement, Part C
Product Type: Component of a 4 Component Coating for Industrial Use

D.O.T. Category: Not Regulated
Manufacturer: Corroshield Industries Inc.
2575 United Lane
Elk Grove Village, IL 60007
847/298-7770
Telephone: 847/298-7770
Emergency: 1-800/535-5053 INFOTRAC

2. Hazards Identification

Hazard-Risk Classification

Carcinogenicity: Category 1A
STOT, single exposure: Category 1
STOT, single exposure: Category 3, RTI
Skin Corrosion: Category 1
Skin Sensitizer: Category 1

Label elements including precautionary statements

Hazard Pictograms/Symbols:



Signal Word: Danger

Named Chemicals on Label: Calcium hydroxide, quartz (silicon dioxide), Portland cement

Hazard-Risk Statements:

| | | |
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| Skin Corrosion, category 1 | H314-1 | Causes severe skin burns and eye damage. |
| Skin Sensitizer, category 1 | H317 | May cause an allergic skin reaction. |
| STOT, single exposure, category 3, RTI | H335 | May cause respiratory irritation. |
| Carcinogenicity, category 1A | H350-1A | May cause cancer. |
| STOT, single exposure, category 1 | H370 | Causes damage to organs. |

Precautionary Statements:

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| P201 | Obtain special instructions before use. |
| P202 | Do not handle until all safety precautions have been read and understood. |
| P260 | Do not breathe dust/fume/gas/mist/vapours/spray. |
| P264 | Wash hands thoroughly after handling. |
| P280 | Wear protective gloves/protective clothing/eye protection/ face protection. |
| P284 | Wear respiratory protection. |
| P301+330+331 | IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. |
| P302+352 | IF ON SKIN: Wash with plenty of soap and water. |
| P304+340 | IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. |

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| P305+P351+P338 | IF IN EYES: Rinse cautiously with water for several minutes. |
| P307+P311 | Remove contact lenses, if present and easy to do so. Continue rinsing. |
| P308+P313 | IF exposed, call a POISON CENTER or doctor/physician. |
| P314 | IF exposed or concerned: Get medical advice/attention. |
| P333+P313 | Get medical advice/attention if you feel unwell. |
| P363 | If skin irritation or rash occurs: Get medical advice/attention. |
| | Wash contaminated clothing before reuse. |

Other Hazards: No information.
Results of PBT and vPvB assessment: The product does not meet the criteria for PBT/VPvB in accordance with Annex XIII.

3. Composition/Information on Ingredients

| CAS-No. | Chemical Name | % |
|------------|--------------------------|--------|
| 14808-60-7 | quartz (silicon dioxide) | 50-75 |
| 65997-15-1 | Portland cement | 2.5-10 |
| 1305-62-0 | calcium hydroxide | 2.5-10 |

| CAS-No. | GHS Symbols | GHS Hazard Statements | M-Factors |
|------------|-------------|-----------------------|-----------|
| 14808-60-7 | GHS07-GHS08 | H335-350-370 | 0 |
| 65997-15-1 | GHS05-GHS07 | H315-317-318-335 | 0 |
| 1305-62-0 | GHS05-GHS07 | H314-335 | 0 |

Additional Information: The text for GHS Hazard Statements shown above (if any) is given in Section 16.

4. First Aid Measures

General Notes: No Information
After Inhalation: Move to fresh air. Consult a physician after significant exposure.
After Skin Contact: Use a mild soap if available. Wash off with soap and plenty of water.
After Eye Contact: Rinse thoroughly with plenty of water, also under the eyelids. Remove contact lenses. If eye irritation persists, consult a specialist.
After Ingestion: Gently wipe or rinse the inside of the mouth with water. Give small amounts of water to drink. Never give anything by mouth to an unconscious person.
Self-Protection of the First Aider: No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wash contaminated clothing thoroughly with water before removing it, or wear gloves.

Most important symptoms and effects, both acute and delayed: Harmful by inhalation.

Indication of any immediate medical attention and special treatment needed: No information available on clinical testing and medical monitoring. Specific toxicological information on substances, if available, can be found in section 11.

5. Fire-Fighting Measures

Suitable (and unsuitable) extinguishing media: Carbon Dioxide, Dry Chemical, Foam, Water Fog
Unsuitable extinguishing media: Alcohol, Alcohol based solutions, any other media not listed above.
Specific hazards arising from the chemical: No Information
Special protective equipment and precautions for fire-fighters: None known. The product itself does not burn. In the event of fire, wear self-contained breathing apparatus. Water spray/Dry powder/Alcohol-resistant foam/Carbon dioxide (CO2)/High volume water jet. None.

6. Accidental Release Measures

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| Personal precautions, protective equipment and emergency procedures: | Ensure adequate ventilation. Avoid dust formation. Use personal protective equipment. |
| Environmental precautions: | No Information |
| Methods for Containment and Clean Up: | Pick up and transfer to properly labelled containers. No special environmental precautions required. After cleaning, flush away traces with water. |
| Reference to other sections: | Please refer to disposal requirements or country specific disposal requirements for this material. See Section 13 for further information |

7. Handling and Storage

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| Precautions for safe handling | INSTRUCTIONS FOR SAFE HANDLING: Use only in area provided with appropriate exhaust ventilation. Provide sufficient air exchange and/or exhaust in work rooms. Wear personal protective equipment. Avoid dust formation. Protect from moisture. |
| Conditions for safe storage, including any incompatibilities | PROTECTION AND HYGIENE MEASURES: Wash hands before breaks and at the end of workday. Do not breathe dust. When using, do not eat, drink or smoke. |
| Specific end use(s) | CONDITIONS TO AVOID: No Information STORAGE CONDITIONS: Keep tightly closed in a dry and cool place. No specific advice for end use available. |

8. Exposure Controls & Personal Protection

Ingredients with Occupational Exposure Limits

| Name | CAS-No. | OSHA PEL | ACGIH TLV |
|--------------------------|------------|---------------------------|-------------------------|
| quartz (silicon dioxide) | 14808-60-7 | 50 μ g/m ³ | 0.025 mg/m ³ |
| Portland cement | 65997-15-1 | 10.0 MG/M ³ | 10.0 MG/M ³ |
| Calcium hydroxide | 1305-62-0 | 5. MG/M ³ | 5. MG/M ³ |

Further Information: Refer to the regulatory exposure limits for the workforce enforced in each country.

Exposure Controls

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| Personal Protection: | |
| Respiratory Protection: | Effective dust mask |
| Eye Protection: | Safety glasses with side shields |
| Hand Protection: | Protective gloves. Long sleeved clothing. Remove and wash contaminated clothing before re-use. |
| Other Protective Equipment: | No Information |
| Engineering Controls: | Ensure adequate ventilation, especially in confined areas. |

9. Physical and Chemical Properties

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| Appearance: | Granules / powder mix |
| Physical State | Solid |
| Odor | None |
| Odor threshold | Not determined |
| pH | 11-14 |
| Melting point / freezing point (°C) | Not Determined |
| Boiling point/range (°C) | N.D. - N.D. |
| Flash Point, (°F / °C) | N/A |
| Evaporation rate | N/A |
| Flammability (solid, gas) | Not determined |
| Upper/lower flammability or explosive limits | 999-0 |

| | |
|--|----------------|
| Vapor Pressure | N/A |
| Vapor density | N/A |
| Relative density | Not Determined |
| Solubility in / Miscibility with water | Slight |
| Partition coefficient: n-octanol/water | Not determined |
| Auto-ignition temperature (°C) | Not determined |
| Decomposition temperature (°C) | Not determined |
| Viscosity | N/A |
| Explosive properties | N/A |
| Oxidizing properties | N/A |
| Other Information | |
| VOC Content: g/l: | 0 |
| Density (lbs/gal) | N/A |

10. Stability and Reactivity

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| Reactivity: | No reactivity hazards known under normal storage and use conditions. |
| Chemical stability: | Stable under normal conditions. |
| Possibility of hazardous reactions: | Hazardous polymerisation does not occur. |
| Conditions to avoid: | No Information |
| Incompatible materials: | Do not store near acids. Strong oxidizing agents. |
| Hazardous decomposition products: | No hazardous decomposition products are known. Hydrogen fluoride |

11. Toxicological Information

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| Acute Toxicity: | |
| Oral LD50: | No Information Available |
| Inhalation LC50: | No Information Available |
| Irritation: | Cement and hydrated lime powder, especially in a water mix, may cause irritant contact dermatitis and/or burns. |
| Corrosivity: | No Information Available |
| Sensitization: | No Information Available |
| Repeated dose toxicity: | No Information Available |
| Carcinogenicity: | No Information Available |
| Mutagenicity: | No Information Available |
| Toxicity for reproduction: | No Information Available |

If no information is available above under Acute Toxicity then the acute effects of this product have not been tested. Data on individual components are tabulated below:

| CAS-No. | Chemical Name | Oral LD50 | Dermal LD50 | Vapor LC50 |
|--------------------------------|-------------------|---|-------------|------------|
| 1305-62-0 | calcium hydroxide | 7340 mg/kr, oral, rat | | |
| Additional Information: | | This product may contain Quartz (silicon dioxide), which is listed by IARC as a known carcinogenic to humans (Group 1). This classification is relevant when exposed to Quartz (silicon dioxide) in dust or powder form only, including cured product that is subject to sanding, grinding, cutting, or other surface preparation activities. | | |

12. Ecological Information

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| Toxicity: | |
| EC50 48hr (Daphnia): | Not available |
| IC50 72 hr (Algae): | Not available |
| LC50 (Fish): | Not available |
| Persistence and Degradability: | Mostly non-biodegradable. The hydrated lime will react with atmospheric and dissolved carbon dioxide to form calcium carbonate (e.g. chalk). |
| Bioaccumulative Potential: | Not available |

Mobility in Soil: The product is not volatile and insoluble in water, will accumulate in the ground.
Results of PBT and vPvB Assessment: The product does not meet the criteria for PBT/VPvB in accordance with Annex XIII.
Other Adverse Effects: The addition of cement and hydrated lime to water will raise pH and may therefore be toxic to aquatic life in some circumstances.

| CAS-No. | Chemical Name | EC50 48hr | IC50 72hr | LC50 96hr |
|------------|--------------------------|----------------|----------------|-----------|
| 14808-60-7 | quartz (silicon dioxide) | No information | No information | |
| 65997-15-1 | Portland cement | No information | No information | |
| 1305-62-0 | Calcium hydroxide | No information | No information | |

13. Disposal Considerations

Waste from residues/unused products: Disposal of container and unused contents in accordance with Federal, State and Local Regulations
Contaminated packaging: Disposal of container and unused contents in accordance with Federal, State and Local Regulations

14. Transport Information

UN Number: Not applicable
UN Proper Shipping Name: Not regulated for transport according to DOT, IMDG, and IATA regulations
Technical name: Not applicable
Transport hazard class(es): Not applicable
Subsidiary shipping hazard: Not applicable
Packing group: Not applicable
Environmental hazards: Not applicable
Special precautions for user: Not applicable
EmS-No.: Not applicable
Transport in bulk according to Annex II of MARPOL 73/78 and the IBC code: Not applicable

15. Regulatory Information

CERCLA – Sara Hazard Category: This product has been reviewed according to the EPA ‘Hazard Categories’ promulgated under Sections 311 and 312 of the Superfund Amendment and Reauthorization Act of 1986 (SARA Title III) and is considered, under applicable definitions, to meet the following categories:
 Carcinogenicity, Skin Corrosion or Irritation, Respiratory or Skin Sensitization, Specific target organ toxicity (single or repeated exposure)

Sara Section 313: This product contains the following substances subject to the reporting requirements of Section 313 of Title III of the U.S. Superfund Amendment and Reauthorization Act (SARA) of 1986 and 40 CFR part 372:
 No Sara 313 components exist in this product.

Toxic Substances Control Act: This product contains the following chemical substances subject to the reporting requirements of TSCA 12(B) if exported from the United States:
 No TSCA 12(b) components exist in this product.

US Clean Air Act:
 EPA Coating Category: N/A
 EPA VOC Content Limit (g/l): N/A
 Product VOC Content (g/l): N/A
 Thinning Recommendations: N/A
 Application Recommendations: For professional use only.



As per the federal EPA definition for coating categories in 40 CFR 59.401.
Grams of VOC per liter of coating product as applied (mixture of Part A and Part B) per ASTM D2369 Method E.

New Jersey Right to Know:

The following materials are non-hazardous, but are among the top five components in this product.

| <u>Chemical Name</u> | <u>CAS-No.</u> |
|------------------------|----------------|
| No Chemical Name Found | |

Pennsylvania Right to Know:

The following non-hazardous ingredients are present in the product at greater than 3%.

| <u>Chemical Name</u> | <u>CAS-No.</u> |
|------------------------|----------------|
| No Chemical Name Found | |

California Proposition 65:

WARNING: Cancer - www.P65Warnings.ca.gov

Canadian DSL:

All chemical ingredients included on inventory or exempt.

Chemical Safety Assessment:

No Chemical Safety Assessment has been carried out for this substance/mixture by the supplier.

16. Other Information

Text for GHS Hazard Statements shown in Section 3 describing each ingredient:

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|------|--|
| H314 | Causes severe skin burns and eye damage. |
| H315 | Causes skin irritation. |
| H317 | May cause an allergic skin reaction. |
| H318 | Causes serious eye damage. |
| H335 | May cause respiratory irritation. |
| H350 | May cause cancer. |
| H370 | Causes damage to organs. |

Revision Date: November 22, 2019

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