Safety Data Sheet

RCC Corrosion Control / SDS #: RCC-24014 / Revision Date: 05/23/2022

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: C-1 FILLER

Chemical Family: Carbon solids

Product Use: Filler / Reinforcing Agent for Polymer Coating

Restrictions on Use: Use as directed by manufacturer

Manufacturer: RCC Corrosion Control
1450 Hoff Industrial Drive
O'Fallon, MO 63366
Phone: 636-697-4659

24-Hour Emergency Phone Number: North America: 800-424-9300 (CHEMTREC)
International: 703-527-3887 (CHEMTREC) Collect Calls Accepted

2. HAZARD IDENTIFICATION

GHS Classifications

Health Hazards
Skin Irritation, Category 3
Eye Irritation, Category 2A
Carcinogenicity, Category 2

GHS-Labeling
Pictograms:

Signal Word: Warning!

Hazard Statements
H316: Causes light skin irritation
H319: Causes serious eye irritation
H351: Suspected of causing cancer

Precautionary Statements

Prevention:
P201: Obtain special instructions before use.
P202: Do not handle until all safety precautions have been read and understood.
P264: Wash skin and exposed areas thoroughly after handling.
P280: Wear protective clothing/eye protection.
P281: Use personal protective equipment as required.

Response:
P305 + P351 + P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P308 + P313: IF exposed or concerned: Get medical advice/attention.
P314: Get medical advice/attention if you feel unwell.
P337 + P313: If eye irritation persists: Get medical advice/attention.

Storage:
P405: Store locked up.

Disposal:
P501: Dispose of contents/container in accordance with local, regional, and federal regulations

3. COMPOSITION/ INFORMATION ON INGREDIENTS

Chemical characterization
Carbon solids

Component*	CAS #	% By Wt.
Petroleum Coke, calcined	64743-05-1	80 – 95
Carbon Black, amorphous	1333-86-4	5 – 15

*The above listed components are OSHA hazardous materials which contribute to this products' GHS Hazard Categorization as prescribed in OSHA's Hazard Communication 29 CFR 1910.1200.

4. FIRST AID MEASURES

Inhalation
Symptoms & Effects: Irritation of the nose and airways, shortness of breath
Measures: Remove victim to fresh air and keep at rest in a position comfortable for breathing. If breathing has stopped, begin artificial respiration. If breathing is difficult, administer oxygen. If symptoms persist, seek medical attention.

Skin Contact
Symptoms & Effects: Slight skin irritation

Measures: Wash skin and exposed area with soap and water before breaks and at the end of the shift. If skin irritation develops, seek medical attention.

Eye Contact
Symptoms & Effects: Eye irritation, redness, tearing, stinging, swelling of the eyes
Measures: Immediately rinse eyes with water for at least 15 minutes. Remove contact lenses after the initial few minutes and if easy to do so and resume rinsing. Rinse beneath eyelids by holding eyelids open with clean fingers while rinsing. If eye irritation persists, seek medical attention.

Ingestion
Symptoms & Effects: Slight irritation
Measures: Do not induce vomiting. If the victim is drowsy or unconscious, do not give anything by mouth. If conscious, drink plenty of water. If irritation persists, seek medical attention.

5. FIRE FIGHTING MEASURES

Suitable Extinguishing Media: Carbon dioxide, Dry chemical, Foam, Water spray

Unsuitable Extinguishing Media: Water stream (direct)

Hazardous Combustion Products: Carbon dioxide, Carbon monoxide, Sulfur oxides (trace)

Protective Equipment for Fire-Fighters: Wear full firefighting turn-out gear (full Bunker gear), and respiratory protection (SCBA).

Precautions for Fire-Fighters: This product is not expected to burn. Use any extinguishing media that is appropriate for the surrounding fire. In case of fire, do not use a solid water stream, as it may scatter product and spread fire. Wet carbon black produces very slippery walking surfaces.

6. ACCIDENTAL RELEASE MEASURES

Protective Equipment: Wear appropriate protective eyeglasses or chemical safety goggles when particles could cause injury to the eyes.

Personal Precautions: Persons not wearing proper PPE should be excluded from the area of contamination until clean-up has been completed. Ensure adequate ventilation.

Environmental Precautions: Do not allow discharge into drains, surface waters, or sanitary sewer system. Local authorities should be advised if significant spillages cannot be contained or if material discharges into drains or ground water.

Methods & Materials for Clean-Up: Collect material using a dustless method such as a HEPA vacuum or by water spraying/flushing. Avoid using compressed air or dry sweeping. Exercise caution since wet carbon

black produces slippery walking surfaces. Transfer to a suitable container for disposal according to proper federal, state, and local regulations.

7. HANDLING AND STORAGE

Handling: Avoid generating dust. Do not breathe dust. Do not rely on sight alone to determine if dust is in the air as respirable crystalline silica dust may be in the air without a visible dust cloud. Use adequate exhaust ventilation and dust collection. Maintain and test ventilation and dust collection equipment. Practice good housekeeping. Do not permit dust to collect on walls, floors, sills, ledges, machinery, or other equipment. Keep airborne concentrations below permissible exposure limits.

Wear a respirator if exposure limits are above the OSHA Permissible Exposure Limit (PEL) as well as when maintenance must be performed on ventilation and dust collection equipment. Do not alter respirators. Do not wear a tight-fitting respirator with facial hair such as a beard or mustache that prevents a good face to face piece seal between the respirator and face. Maintain, clean, and fit test respirators in accordance with applicable standards. Wash or vacuum clothing that has become dusty.

Storage: Keep containers closed and store bags to avoid accidental tearing, breaking, or bursting. Store locked up.

Incompatible Materials: Strong oxidizing agents, Chlorates, Bromates, Nitrates

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

Exposure Limits :

Exposure limits have not been established for this product.

Carbon Black, amorphous	**CAS # 1333-86-4**	
OSHA	Permissible Exposure Limit (PEL)	3.5 mg/m^3
ACGIH	Time Weighted Average (TWA)	3.5 mg/m^3
NIOSH	Recommended Exposure Limit (REL)	3.5 mg/m^3

Engineering Controls: Provide sufficient mechanical (general and/or local exhaust) ventilation to maintain exposures below permissible exposure limits. Provide readily accessible eye wash stations and safety showers.

Occupational Exposure Controls: Ensure adequate ventilation, especially in confined areas. Consider all potential hazards of this material, applicable exposure limits, job activities, and other substances in the work place when designing engineering controls and selecting PPE. Ensure that eyewash stations and safety showers are proximal to the work location. It is ultimately the responsibility of the employer to follow regulatory guidelines established by local authorities.
Protective and Hygiene measures: Reduce inhalation of dust. Wash hands before breaks and immediately after handling product. When using, do not eat, drink, or smoke. Launder clothing before reuse.

Eye Protection: Recommended to wear tight fitting, eye goggles when handling product. Have a suitable eye wash station or bottle nearby in case of eye irritation.

Hand Protection: Gloves may be worn to reduce skin exposure to product. If gloves are not used, wash hands before breaks and immediately after handling product. Gloves are recommended for workers who have sensitive skin or dermatitis.

Skin Protection: Good personal hygiene practices should be followed including cleansing of exposed skin with soap and water, and laundering work clothing that has become dusty.

Respiratory Protection: A NIOSH-approved air-purifying respirator with an appropriate cartridge and/or filter may be appropriate under certain circumstances where airborne concentrations are expected to exceed exposure limits (if applicable) or if overexposure has otherwise been determined. Protection provided by air-purifying respirators is limited. Use a positive pressure, air-supplied respirator if there is any potential for uncontrolled release, exposure levels are not known or any other circumstances where an air-purifying respirator may not provide adequate protection.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Black Powder
Odor: Odorless
Odor Threshold: No data available
pH: No data available
Melting/Freezing point: > 5,900°F (> 3,300°C)
Boiling point/range: No data available
Flash point (Tag closed cup): No data available
Evaporation rate: No data available
Flammability: Lower Limit: No data available **Upper Limit:** No data available
Vapor pressure: No data available
Relative vapor density: No data available
Density: 2.04 g/cm^3 (17 lbs/gal) @ 68°F (20°C)
Solubility in water: Insoluble
Partition coefficient (n-octanol/water): No data available
Auto-ignition temperature: > 930°F (> 500°C)
Ignition temperature: No data available
Decomposition temperature: > 750°F (> 400°C)
Viscosity (dynamic): No data available

10. STABILITY AND REACTIVITY

Reactivity: No decomposition if stored and applied as directed; reacts with strong oxidizing agents.

Chemical Stability: Stable under normal conditions.

Possibility of Hazardous Reactions: Will not occur if isolated from strong oxidizing agents and incompatible materials listed below.

Conditions to Avoid: Excessive heat, Incompatible materials

Incompatible Materials: Strong oxidizing agents, Chlorates, Bromates, Nitrates

Hazardous decomposition products: Carbon dioxide, Carbon monoxide, Sulfur oxides (trace)

11. TOXICOLOGICAL INFORMATION

Primary Route of Exposure: Inhalation

Symptoms Related to Physical, Chemical and Toxicological Characteristics: Irritation of the nose and airways, slight skin irritation, eye irritation, eye redness, tearing, stinging and swelling, shortness of breath

Delayed and Immediate Effects & Chronic Effects from Exposure: This substance may result in respiratory irritation. This substance is a potential carcinogen to humans as outlined by OSHA and IARC (see below).

Measures of Toxicity:
Acute toxicities are calculated based on component toxicities
Mixture: Acute Oral Toxicity: LD_{50} Rat: No sufficient data available
Acute Dermal Toxicity: LD_{50} Rat: No sufficient data available
Acute Inhalation Toxicity: LC_{50} Rat: No sufficient data available

Carbon Black, amorphous	**CAS # 1333-86-4**
Acute Oral Toxicity	LD_{50} Rat: > 8,000 mg/kg

Carcinogen Claims:
OSHA: **Yes; 2**
International Agency for Research on Cancer (IARC): **Yes; 2B [Possibly Carcinogenic]**
ACGIH: **No; A4 [Not Classifiable]**
National Toxicology Program (NTP) Report on Carcinogens: **No**

12. ECOLOGICAL INFORMATION

Eco-toxicity: This substance is not suspected of being toxic to aquatic organisms; however it is still strongly advised that this substance does not enter the environment.

Carbon Black, amorphous	**CAS # 1333-86-4**
Toxicity to Fish	LC_{50} > 1,000 mg/l (Zebra Fish; 96 h)
Toxicity to Daphnia	EC_{50} > 5,600 mg/l (Water Flea; 24 h)
Toxicity to Algae	EC_{50} > 10,000 mg/l (Green Algae; 72 h)

Persistence & Degradability: No data available
Bio-accumulative Potential: No data available
Mobility in Soil: No data available
Other Adverse Effects: No data available

13. DISPOSAL CONSIDERATIONS

Dispose of in accordance with Federal, State or Local regulations.
Contaminated packaging should be emptied as far as possible before disposal.

14. TRANSPORT INFORMATION

DOT SHIPPING CLASSIFICATION:
This product is not regulated as a hazardous material for transport.

IMDG (Marine) SHIPPING CLASSIFICATION:
This product is not regulated as a dangerous good for transport.

IATA (Air) SHIPPING CLASSIFICATION:
This product is not regulated as a dangerous good for transport.

15. REGULATORY INFORMATION

All components of this product conform to the following national inventory requirements. US TSCA, EU EINECS and Canada DSL

SARA Title III

Section 302 – Extremely Hazardous Chemicals
The following ingredients are subject to the supplier notification requirements of Section 302 of the Superfund Amendments and Reauthorization Act (SARA/EPCRA) and the requirements of 40 CFR Part 37
None Listed
Section 313 – Toxic Chemicals
The following ingredients are subject to the supplier notification requirements of Section 313 of the Superfund Amendments and Reauthorization Act (SARA/EPCRA) and the requirements of 40 CFR Part 37
None Listed

OTHER FEDERAL REGULATIONS

Components of this product are subject to RCRA Hazardous Waste requirements.
Clean Air Act (CAA) Hazardous Air Pollutants requirements and OSHA Process Safety Management (PSM) high hazard requirements.

CANADIAN REGULATIONS

WHMIS Classification: D2B (Based on components)

STATE REGULATIONS

California Proposition 65
WARNING: This product contains chemicals known to the state of California to cause cancer.

The components of this product may be included on the various state hazardous materials lists noted below.
California Hazardous Substances List
Delaware Air Quality Management List
Idaho Air Pollutants List
Illinois Toxic Air Contaminants List
Maine Hazardous Air Pollutants List
Massachusetts Hazardous Substances List
Michigan Critical Materials List
Minnesota Hazardous Substances List
New Jersey RTK Hazardous Substances List
New Jersey TCPA Extremely Hazardous Substances List
New York List of Hazardous Substances
North Carolina Toxic Air Contaminants List
Pennsylvania Hazardous Substances List
Washington Permissible Exposure Air Contaminants List
West Virginia Air Toxic Pollutants List
Wisconsin Hazardous Air Contaminants List

Note: Entries under Section 15 are not intended to be all inclusive of Federal and State laws and regulations. Please consult the appropriate agencies for further clarification of any requirements.

16. OTHER INFORMATION

Disclaimer: The information provided in this Material Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.