SOVEREIGN CHEMICAL

Safety Data Sheet

# Sovchem® CDBC

## 1. CHEMICAL PRODUCT & COMPANY IDENTIFICATION

| | |
|---|---|
| Manufacturer<br>Sovereign Chemical Company<br>4040 Embassy Parkway, Suite 190<br>Akron, OH 44333 | Emergency Contact<br>Chemtrec: 1-800-424-9300 (USA)<br>(1)330-542-8400 (outside USA) |
| Trade Name(s): Sovchem® CDBC Granule, Sovchem® CDBC Powder | Chemical Name: Bis(dibutyldithiocarbamato-S,S')copper, Copper dibutyldithiocarbamate |
| Relevant identified uses of the substance or mixture and uses advised against: No further relevant information available. | Application of the substance/the preparation: Protection agent and stabilizer for plastics. It is also used as an inhibitor in the Production of acid |
| Issued By: Sovereign Chemical Company<br><br>According to 1907/2006/EC (REACH), 1272/2008/EC (CLP), and GHS | Date of Issue: June 1, 2025 |

## 2. HAZARDS IDENTIFICATION

*Classification of the substance or mixture*

Information in accordance with US 29 CFR 1910.1200 (Hazcom 2012) and Regulation (EC) No 1272/2008

| | | |
|---|---|---|
| Hazard Pictograms (CLP) | : | None |
| Signal Word | : | None |
| Hazard statements (CLP) | : | None |
| Precautionary statements (CLP) | : | None |
| Other Hazard | : | The substance does not meet the criteria for PBT / vPvB of REACH regulation, annex XIII. |

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance

| Chemical Name | CAS No | EC No | Weight % | Classification |
|---|---|---|---|---|
| Copper dibutyldithiocarbamate | 13927-71-4 | 237-695-7 | ≥ 97 | Not classified |

## 4. FIRST AID MEASURES

*Description of first aid measures*

First-aid measures general: In all cases of doubt, or when symptoms persist, seek medical attention.

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| First-aid measures after inhalation: | IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical advice/attention if you feel unwell. |
| First-aid measures after skin contact: | Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. Wash contaminated clothing before reuse. If skin irritation persists, call a physician. |
| First-aid measures after eye contact: | IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention. |
| First-aid measures after ingestion: | IF SWALLOWED: Rinse mouth. DO NOT induce vomiting. Never give anything by mouth to an unconscious person. Seek immediate medical attention/advice. |

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

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| General: | No information available. |

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

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| General: | Treat symptomatically. |

## 5. FIRE FIGHTING MEASURES

*Extinguishing media*

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| Suitable extinguishing agents: | Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. |
| Unsuitable extinguishing agents: | No information available. |

*Special hazards arising from the substance or mixture*

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| General: | Thermal decomposition can lead to release of irritating and toxic gases and vapors, such as carbon oxides, sulfur oxides, nitrogen oxides. |

*Advice for firefighters*

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| General: | A self-contained breathing apparatus (SCBA) operating in the positive pressure mode and full fire-fighting protective clothing should be worn for combating fires. |

## 6. ACCIDENTAL RELEASE MEASURES

*Personal precautions, protective equipment and emergency procedures*

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| General: | Evacuate personnel to safe areas. Ensure adequate ventilation, especially in confined areas. Remove all sources of ignition. Do not touch or walk through spilled material. Avoid contact with skin, eyes or clothing. Avoid generation of dust. Avoid breathing dust/fume/gas/mist/vapors/spray. Use personal protection recommended in Section 8. |

*Environmental precautions*

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| General: | Local authorities should be advised if significant spillages cannot be contained. Prevent entry into waterways, sewers, basements or confined areas. |

*Methods and material for containment and cleaning up*

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| Large spill: | Evacuate area of nonessential personnel. Use safety glasses and gloves. Respiratory protection is required Scoop or shovel spilled solids into containers. Avoid creating a dust. Prevent spilled product or contaminated wash water from entering drinking water supplies or streams. Dispose of waste materials includingempty product bags or drums in accordance with Local regulations. |
| Small spill: | Put spilled solid in a waste disposal container. |

*Reference to other sections*

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| General: | See Section 7 for information on safe handling.<br>See Section 8 for information on personal protection equipment.<br>See Section 13 for information on disposal. |

## 7. HANDLING AND STORAGE

*Precautions for safe handling*

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| Protective measures: | Handle in accordance with good industrial hygiene and safety practice. Ensure adequate ventilation, especially in confined areas. Avoid contact with skin, eyes or clothing. Wash contaminated clothing before reuse. Take precautionary measures against static discharges. Avoid generation of dust. Do not breathe dust/fume/gas/mist/vapors/spray. Do not eat, drink or smoke when using this product. Wash thoroughly after handling. Use personal protection recommended in Section 8. |

*Conditions for safe storage, including any incompatibilities*

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| Storage: | Keep containers tightly closed in a dry, cool and well-ventilated place. Keep away from heat. Store away from strong oxidizing |

materials. Protect from direct sunlight. Keep locked up and out of reach of children. Keep away from food, drink and animal feeding stuffs. Store in accordance with local regulations.

*Specific end use(s)*

General: Apart from the uses mentioned in SECTION 1.2 no other specific uses are stipulated.

## 8. EXPOSURE CONTROLS - PERSONAL PROTECTION

*Control Parameters*

| Chemical Name | Australia | Austria | Belgium | Denmark | European Union |
|---|---|---|---|---|---|
| Copper dibuthyldithiocarbarmate (CAS #: 13927-71-4) | - | STEL 4 mg/m$^3$<br>STEL 0.4 mg/m$^3$<br>TWA: 1 mg/m$^3$<br>TWA: 0.1 mg/m$^3$ | - | - | - |

| Chemical Name | Norway | United Kingdom | ACGIH TLV | OSHA PEL | NIOSH IDLH |
|---|---|---|---|---|---|
| Copper dibuthyldithiocarbarmate (CAS #: 13927-71-4) | - | - | TWA: 1 mg/m$^3$<br>Cu dust and mist | - | IDLH: 100 mg/m$^3$<br>Cu<br>dust and mist<br>TWA: 1 mg/m$^3$ Cu<br>dust and mist |

| Chemical Name | Latvia | France | Finland | Germany | Italy |
|---|---|---|---|---|---|
| Copper | - | - | TWA: 1 mg/m$^3$ | - | IDLH: 100 mg/m$^3$ Cu<br>dust and mist<br>TWA: 1 mg/m$^3$<br>Cu<br>dust and mist |

Derived No Effect Level (DNEL): No information available.
No chemical safety assessment has been carried out.

Predicted No Effect Concentration (PNEL): No information available.
No chemical safety assessment has been carried out.

*Exposure controls*

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|---|---|
| Appropriate engineering controls: | Ensure adequate ventilation, especially in confined areas. Showers. Eyewash stations. Remove all sources of ignition. |
| Eye/face protection: | Chemical protective goggles are recommended where there is a possibility of eye contact with the product. Safety glasses with side shields are recommended for all other operations. An eye wash device should be available in the work area where the product is handled. |
| Hand protection: | Wear protective gloves |
| Body protection: | Neoprene or nitrile gloves should be worn to prevent irritation and possible absorption. Cloth gloves are not recommended. Neoprene or nitrile rubber coated apron or other body covering may be required if there is a possibility of regular work clothing becoming contaminated with the product. All soiled or dirty clothing and personal protective equipment should be thoroughly cleaned before reuse. |
| Respiratory protection: | In case of insufficient ventilation, wear suitable respiratory equipment. |
| Thermal hazard: | No additional information available. |
| Environmental exposure controls: | Prevent entry into waterways, sewers, basements or confined areas. |

## 9. PHYSICAL AND CHEMICAL PROPERTIES

*Information on basic physical and chemical properties*

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| Form: Solid granules | Melting Point/Range: >73°C |
| Color: Dark brown | Boiling point/Range: 257.7°C (760 mmHg) |
| Odor: Odorless | Relative vapor density: Not applicable |
| Odor threshold: Not determined | pH value: Not determined |
| Vapor Pressure: Not determined | Flash point: 109.6°C |

| | |
|---|---|
| Density: 0.67 g/cm³ at 20 °C | Flammability: Not flammable |
| Particle Characteristics: D50 > 1000µm | Auto ignition temperature: Not applicable |
| Oxidizing properties: Non oxidizing | Decomposition temperature: Not determined |
| Solubility in / Miscibility with water: Insoluble.<br>Soluble in acetone, chloroform and alcohols | Partition coefficient (n-octanol/water): Log Pow: 4.7 |
| Viscosity<br>Dynamic: Not applicable<br>Kinematic: Not applicable | Explosion limits<br>Lower: Not available<br>Upper: Not available |

## 10. STABILITY AND REACTIVITY

*Reactivity*
Stable under recommended storage and handling conditions (see section 7).

*Chemical stability*
Stable under recommended storage conditions.

*Possibility of hazardous reactions*
None under normal processing.

*Conditions to avoid*
Heat, flames and sparks. High temperatures. Direct sunlight. Incompatible materials.

*Incompatible materials*
Strong oxidizing agents. Strong acids.

*Hazardous decomposition products*
Carbon oxides, sulfur oxides, nitrogen oxides, ammonia, hydrogen cyanide.

## 11. TOXICOLOGICAL INFORMATION

*Information on toxicological effects*

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|---|---|
| Acute toxicity (oral, rat): | LD50 > 2000 mg/kg |
| Acute toxicity (dermal, rabbit): | Not available |
| Acute toxicity (inhalation, rat): | Not available |
| Skin corrosion/irritation: | Slightly irritating, but not classified, rabbit. |
| Serious eye damage/irritation: | Slightly irritating, but not classified, rabbit. |

| | |
|---|---|
| Respiratory or skin sensitization: | Not sensitizing, mouse. |
| Germ cell mutagenicity: | Negative |
| Carcinogenicity: | No information available |
| Reproductive toxicity: | Not classified. |
| STOT single exposure: | Not classified |
| STOT multiple exposure: | Not classified |
| Aspiration hazard: | Not classified |
| Other hazards: | The components are not included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 |

## 12. ECOLOGICAL INFORMATION

*Toxicity*

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| Acute (short-term) toxicity: | EC50(72h, Algae/aquatic plants): > 100 mg/L Pseudokirchnerella subcapitata |

*Persistence and degradability*

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|---|---|
| Information: | Copper dibutyl dithiocarbamate (CAS #: 13927-71-4): 0%, 28days; Not readily biodegradable. |

*Bioaccumulation potential*

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|---|---|
| Information: | LogPow 4.7 |

*Mobility in soil*

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|---|---|
| Information: | Copper dibuthyldithiocarbarmate (CAS #: 13927-71-4): Log Koc = 6.2504 |

*Results of PBT and vPVB assessment*

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| Information: | The components are not considered to be persistent, bioaccumulating nor toxic (PBT).<br>The components are not considered to be very persistent nor very bioaccumulating (vPvB). |

*Other adverse effects*

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|---|---|
| Information: | The components are not included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 |

## 13. DISPOSAL CONSIDERATIONS

*Waste treatment methods*

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| Methods: | Disposal should be in accordance with applicable regional, national and local laws and regulations. |
| Contaminated packaging: | Disposal should be in accordance with applicable regional, national and local laws and regulations. |

## 14. TRANSPORTATION INFORMATION

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| UN-Number<br>DOT, ADR, ADN, IMDG, IATA | N/A |
| UN proper shipping name<br>DOT, ADR, ADN, IMDG, IATA | N/A |
| Transport hazard class(es):<br>DOT, ADR, ADN, IMDG, IATA, Class | N/A |
| Packing group<br>DOT, ADR, IMDG, IATA | N/A |
| Environmental hazards<br>Marine pollutant | No |
| Special precautions for user | Not applicable |
| Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code UN "Model Regulation" | Not applicable |

## 15. REGULATORY INFORMATION

Safety, health and environmental regulations/legislation specific for the substance

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| SARA Section 355 (extremely hazardous substances) | Not listed |
| SARA Section 313 (Specific toxic chemical listings) | Not listed |
| TSCA (Toxic Substances Control Act) | Listed |

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| Proposition 65 (California) | |
| Chemicals known to cause cancer | Not listed |
| Chemicals known to cause reproductive toxicity for females | Not listed |
| Chemicals known to cause reproductive toxicity for males | Not listed |
| Chemicals known to cause developmental toxicity | Not listed |
| Carcinogenic Categories | |
| IARC (International Agency for Research on Cancer) | Not listed |
| TLV (Threshold Limit Value established by ACGIH) | Not listed |
| NIOSH-Ca (National Institute for Occupational Safety and Health) | Not listed |
| OSHA-Ca (Occupational Safety & Health Administration) | Not listed |
| Canada | |
| Canadian Non-Domestic Substances List (NDSL) | Listed |
| Canadian Ingredient Disclosure list (limit 0.1%) | Not listed |
| Canadian Ingredient Disclosure list (limit 1%) | Not listed |
| REACH | |
| REACH Candidate List | Not listed |
| REACH XIV List | Not listed |

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.