
SECTION 1) CHEMICAL PRODUCT AND SUPPLIER'S IDENTIFICATION

Product ID: CSC Copper Sulfur Dust
Product Name: CSC Copper Sulfur Dust
Revision Date: Jun 15, 2017 **Date Printed:** Jul 13, 2017
Version: 3.0 **Supersedes Date:** May 30, 2017
Manufacturer's Name: Martin Operating Partnership, L.P.
Address: P.O. Box 191, Kilgore, TX, US, 75663
Emergency Phone: CHEMTREC (800) 424-9300
Information Phone Number: 800-231-4595
Fax:
Product/Recommended Uses: Fungicide

SECTION 2) HAZARDS IDENTIFICATION

Classification

Specific Target Organ Toxicity - Repeated Exposure - Category 2
Skin Irritation - Category 2
Eye Irritation - Category 2A
Skin Sensitizer - Category 1
Flammables solids - Category 2

Pictograms



Signal Word

Warning

Hazardous Statements - Physical

Flammable solid

Hazardous Statements - Health

May cause damage to organs through prolonged or repeated exposure
Causes skin irritation
Causes serious eye irritation
May cause an allergic skin reaction

Precautionary Statements - General

If medical advice is needed, have product container or label at hand.
Keep out of reach of children.
Read label before use.

Precautionary Statements - Prevention

Do not breathe dust/fume/gas/mist/vapors/spray.
Keep away from heat, hot surfaces, sparks, open flames and other ignition sources.
Wear protective gloves/protective clothing/eye protection/face protection.

Avoid breathing dust/fume/gas/mist/vapors/spray.

Contaminated work clothing should not be allowed out of the workplace.

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

Ground/bond container and receiving equipment.

Use explosion-proof (electrical/ventilating/lighting) equipment.

Precautionary Statements - Response

Get Medical advice/attention if you feel unwell.

IF ON SKIN: Wash with plenty of water.

Specific treatment (see First-aid measures on this label).

If skin irritation occurs: IF IN EYES: Get medical advice/attention.

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Take off contaminated clothing. And wash it before reuse.

If eye irritation persists: Get medical advice/attention.

If skin irritation or a rash occurs: Get medical advice/attention.

In case of fire: Use dry chemical, foam, carbon dioxide to extinguish.

Precautionary Statements - Storage

No precautionary statement available.

Precautionary Statements - Disposal

Dispose of contents/container to disposal recycling center. Under RCRA it is the responsibility of the user of the product to determine at the time of disposal whether the product meets RCRA criteria for hazardous waste. Waste management should be in full compliance with federal, state and local laws.

Hazard not otherwise classified (HNOC)

None

SECTION 3) COMPOSITION/INFORMATION ON INGREDIENTS

CAS	Chemical Name	% By Weight
0000471-34-1	CALCIUM CARBONATE	47.9%
0007704-34-9	SULFUR	24.5%
0001332-65-6	Copper oxychloride	19.2%
0001344-73-6	BASIC COPPER SULFATE	7.6%

SECTION 4) FIRST-AID MEASURES

Inhalation

Remove source of exposure or move person to fresh air and keep comfortable for breathing. Get medical advice/attention if you feel unwell or are concerned. Eliminate all ignition sources if safe to do so.

Skin Contact

Take off immediately contaminated clothing. Rinse skin with water/shower (and mild soap) for 15-20 minutes or until product is removed. Store contaminated clothing under water and wash before re-use, or discard.

Eye Contact

Avoid direct contact. Wear chemical protective gloves, if necessary. Gently brush product off face. Do not rub eyes. Let the eyes water naturally for a few minutes. Look right and left, then up and down. If particle/dust does not come out, cautiously rinse eyes with lukewarm, gently flowing water for 15-20 minutes or until particle/dust is removed, while holding the eyelids open. If eye irritation persists: Get medical advice/attention. Do not attempt to manually remove anything from the eyes.

Ingestion

Rinse mouth. If you feel unwell or if concerned: Get medical advice/attention. Do not induce vomiting without advice from poison control center.

Most Important Symptoms/Effects, Acute and Delayed

No data available

Indication of Immediate Medical Attention and Special Treatment Needed

SECTION 5) FIRE-FIGHTING MEASURES

Suitable Extinguishing Media

Use dry chemical, foam or carbon dioxide to extinguish fire.

Unsuitable Extinguishing Media

Use of water to control fires associated with molten sulfur can be dangerous because the product is kept heated above the boiling point of water. Water will turn to steam rapidly and too much water can cause splattering of the material into explosive type discharges.

Specific Hazards in Case of Fire

Do not mix water with hot sulfur.

Molten sulfur can release hydrogen sulfide, a highly toxic gas.

Fire may produce irritating and/or toxic gases.

Easily ignitable, combustible solid. Dust suspended in air ignites easily and can cause an explosion.

Hazardous in contact with oxidizing materials, forming explosive mixtures.

Sulfur burns with a pale blue flame that may be difficult to see in daylight.

Special Protective Actions

Structural firefighters' protective clothing will only provide limited protection. Wear protective pressure self-contained breathing apparatus (SCBA).

SECTION 6) ACCIDENTAL RELEASE MEASURES

Emergency Procedure

Keep unnecessary people away; isolate hazard area and deny entry. Do not touch or walk through spilled material.

Stay upwind; keep out of low areas.

Flammable/combustible material.

ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area).

Small/Large spill: With clean shovel place material into clean, dry container and cover loosely; move containers from spill area. If liquid spill, take up with sand or other noncombustible absorbent material and place into containers for later disposal.

Prevent entry into waterways, sewers, basements or confined areas.

Collect product and contaminated soil and water.

Recommended equipment

Positive pressure, full-facepiece self-contained breathing apparatus (SCBA), or positive pressure supplied air respirator with escape SCBA (NIOSH approved).

Personal Precautions

Powders, dusts, shavings, borings, turnings or cuttings may explode or burn with explosive violence. ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area).

Use explosive proof equipment.

Avoid inhalation of dust and contact with skin and eyes.

Do not touch damaged containers or spilled materials unless wearing appropriate protective clothing.

Environmental Precautions

Prevent further leakage or spillage if safe to do so. Retain and dispose of contaminated wash water.

This product is a fertilizer, and if discarded to waterways, may promote algae growth/eutrophication.

Methods and Materials for Containment and Cleaning up

Collect with absorbent, non-combustible material into suitable containers. Transfer to a container for disposal.

SECTION 7) HANDLING AND STORAGE

General

Wash hands after use.

Do not get in eyes, on skin or on clothing.

Do not breathe vapors or mists.

Use good personal hygiene practices.

Eating, drinking and smoking in work areas is prohibited.

Remove contaminated clothing and protective equipment before entering eating areas.

Eyewash stations and showers should be available in areas where this material is used and stored.

Ventilation Requirements

Use only with adequate ventilation to control air contaminants to their exposure limits. The use of local ventilation is recommended to control emissions near the source. Use explosion-proof ventilation equipment.

Storage Room Requirements

Store in tightly closed containers in cool, dry, well-ventilated area away from heat, sources of ignition and incompatibilities.

Empty containers may contain residue; observe all warnings and precautions listed for the product.

SECTION 8) EXPOSURE CONTROLS/PERSONAL PROTECTION

Eye protection

Dust-proof goggles or safety glasses with side shields or vented/splash proof goggles. Contact lenses may absorb irritants. Particles may adhere to lenses and cause corneal damage.

Skin protection

Avoid skin contact. Wear gloves impervious to conditions of use such as neoprene or nitrile gloves. Additional protection may be necessary to prevent skin contact including use of apron, face shield, boots or full body protection.

Respiratory protection

If exposure limits are exceeded, NIOSH approved respiratory protection should be used. For higher concentrations, unknown concentrations, use a NIOSH approved air-supplied respirator.

Appropriate Engineering Controls

Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of gas, vapors or dusts below their respective threshold limit value.

Chemical Name	OSHA TWA (ppm)	OSHA TWA (mg/m3)	OSHA STEL (ppm)	OSHA STEL (mg/m3)	OSHA Tables (Z1, Z2, Z3)	OSHA Carcinogen	OSHA Skin designation	NIOSH TWA (ppm)	NIOSH TWA (mg/m3)	NIOSH STEL (ppm)	NIOSH STEL (mg/m3)	NIOSH Carcinogen
CALCIUM CARBONATE		[15]; [5 (a)];			1				10,5a			

Chemical Name	ACGIH TWA (ppm)	ACGIH TWA (mg/m3)	ACGIH STEL (ppm)	ACGIH STEL (mg/m3)	ACGIH Carcinogen	ACGIH Notations	ACGIH TLV Basis
CALCIUM CARBONATE							

SECTION 9) PHYSICAL AND CHEMICAL PROPERTIES

Physical and Chemical Properties

Density	8.44 lb/gal
% Solids By Weight	80.00%
Specific Gravity	1.01
Appearance	Greenish powder
Odor Threshold	N.A.
Odor Description	Sulfur-like odor
pH	N.A.
Water Solubility	Insoluble
Flammability	N/A
Flash Point Symbol	N.A.
Flash Point	N.A.
Viscosity	N.A.
Lower Explosion Level	N.A.
Upper Explosion Level	N.A.
Vapor Pressure	13355.7 mmHg

Vapor Density	N.A.
Freezing Point	N.A.
Melting Point	N.A.
Low Boiling Point	N.A.
High Boiling Point	N.A.
Auto Ignition Temp	N.A.
Decomposition Pt	N.A.
Evaporation Rate	N.A.
Partition Coefficient: n-Octanol/Water	N.A.

SECTION 10) STABILITY AND REACTIVITY

Stability

Stable

Conditions to Avoid

Avoid great heat, sparks, flame, build up of static electricity, contact with incompatible materials.

Hazardous Polymerization

Will not occur.

Incompatible Materials

Material may be corrosive to ferrous and mild steel materials. All handling and storage equipment should be constructed of stainless steel, aluminum, or poly-type materials. Powdered sulfur is subject to dust cloud explosions.

Incompatible with acids, alkalis, halogens, oxygen and strong oxidizing agents.

Forms explosive mixtures with oxidizing agents, ammonia, ammonium nitrate, chlorine dioxide, all inorganic perchlorates, sodium nitrate, and zinc.

Hazardous Decomposition Products

Sulfur oxides, hydrogen sulfide.

SECTION 11) TOXICOLOGICAL INFORMATION

Likely route of exposure

Inhalation, ingestion, skin absorption (In most cases)

Skin Corrosion/Irritation

Causes skin irritation

Serious Eye Damage/Irritation

Causes serious eye irritation

Respiratory/Skin Sensitization

May cause an allergic skin reaction

Germ Cell Mutagenicity

No Data Available

Carcinogenicity

No Data Available

Reproductive Toxicity

No Data Available

Specific Target Organ Toxicity - Single Exposure

No Data Available

Specific Target Organ Toxicity - Repeated Exposure

May cause damage to organs through prolonged or repeated exposure

Aspiration Hazard

No Data Available

Acute Toxicity

No Data Available

0007704-34-9 SULFUR

LC50 (Mammal - species unspecified, Inhalation) : 1660 mg/m3, Toxic effects : Details of toxic effects not reported other than lethal dose value.

SECTION 12) ECOLOGICAL INFORMATION

Toxicity

No Data Available

Persistence and Degradability

No Data Available.

Bioaccumulative Potential

No Data Available.

Mobility in Soil

No Data Available.

Other Adverse Effects

No Data Available.

SECTION 13) DISPOSAL CONSIDERATIONS

Waste Disposal

Under RCRA it is the responsibility of the user of the product to determine at the time of disposal whether the product meets RCRA criteria for hazardous waste. Waste management should be in full compliance with federal, state and local laws.

SECTION 14) TRANSPORT INFORMATION

U.S. DOT Information

Status: Not Regulated
DOT UN/NA Number: N/A
Proper Shipping Name: Sulfur (formed solid)
Hazard Class: N/A
Packing Group: N/A
Hazardous Substance (RQ): N/A
Note / Special Provision Exempt from requirements (49CFR172.102, Special Provision 30)

IMDG Information

Status: Not Regulated
DOT UN/NA Number: N/A
Proper Shipping Name: Sulfur (formed solid)
Hazard Class: N/A
Packing Group: N/A
Hazardous Substance (RQ): N/A
Note / Special Provision Exempt from requirements (49CFR172.102, Special Provision 30)

IATA Information

Status: Not Regulated
DOT UN/NA Number: N/A
Proper Shipping Name: Sulfur (formed solid)
Hazard Class: N/A
Packing Group: N/A
Hazardous Substance (RQ): N/A
Note / Special Provision Exempt from requirements (49CFR172.102, Special Provision 30)

SECTION 15) REGULATORY INFORMATION

CAS	Chemical Name	% By Weight	Regulation List
0000471-34-1	CALCIUM CARBONATE	47.9%	SARA312,TSCA,TX_ESL,TX_TCEQ,OSHA
0007704-34-9	SULFUR	24.5%	SARA312,TSCA,TX_ESL,TX_TCEQ
0001332-65-6	Copper oxychloride	19.2%	CERCLA,SARA312,TSCA,TX_TCEQ,TX_TCEQ_TOX
0001344-73-6	BASIC COPPER SULFATE	7.6%	CERCLA,SARA312,TSCA,TX_TCEQ,TX_TCEQ_TOX

SECTION 16) OTHER INFORMATION INCLUDING INFORMATION ON PREPARATION AND REVISION OF THE SDS

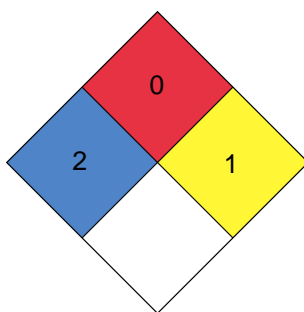
Glossary

ACGIH: American Conference of governmental Industrial Hygienists; ANSI: American National Standards Institute; Canadian TDG: Canadian Transportation of Dangerous Goods; CAS: Chemical Abstract Service; Chemtrec: Chemical Transportation Emergency Center (US); CHIP: Chemical Hazard Information and Packaging; DSL: Domestic Substances List; EC: Equivalent Concentration; EH40 (UK): HSE Guidance Note EH40 Occupational Exposure Limits; EPCRA: Emergency Planning and Community Right-To-Know Act; HMIS: Hazardous Material Information Service; LC: Lethal Concentration; LD: Lethal Dose; NFPA: National Fire Protection Association; OEL: Occupational Exposure Limits; OSHA: Occupational Safety and Health Administration, US Department of Labor; PEL: Permissible Exposure Limit; SARA (Title III): Superfund Amendments and Reauthorization Act; SARA 313: Superfund Amendments and Reauthorization Act, Section 313; SCBA: Self-Contained Breathing Apparatus; STEL: Short Term Exposure Limit; TLV: Threshold Limit Value; TSCA: Toxic Substances Control Act Public Law 94-469; TWA: Time Weighted Value; US DOT: US Department of Transportation; WHMIS: Workplace Hazardous Materials Information System

HMIS

Health	/ 2
FLAMMABILITY	0
Physical Hazard	1
Personal Protection	

NFPA



(*) - Chronic effects

Caution: HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks

Version 3.0:

Revision Date: Jun 15, 2017

Changes made on: Section , Section 3, Section 11 and Section 16.

Please contact the supplier for further information on the version history.

DISCLAIMER

This SDS is prepared to comply with the Globally Harmonized System of Classification and Labelling of Chemicals (GHS) as prescribed by the United States (US) Occupational Safety and Health Administration (OSHA) Hazard Communication Standard (29 CFR 1910.1200).

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