SAFETY DATA SHEET

SECTION 1) CHEMICAL PRODUCT AND SUPPLIER'S IDENTIFICATION

Product ID :	CSC Copper Sulfur Dust		
Product Name :	CSC Copper Sulfur Dust		
Revision Date :	Jun 09, 2015	**Date Printed :**	Jun 19, 2015
Version:	1.0	**Supersedes Date :**	N.A.
Manufacturer's Name :	Martin Operating Partnership, L.P.		
Address :	P. O. Box 191 Kilgore, TX 75663 , US		
Emergency Phone :	CHEMTREC: 1-800-424-9300		
Information Phone :	1-903-983-6200		
Fax :			

Product/Recommended Uses: Fungicide

SECTION 2) HAZARDS IDENTIFICATION

Classification:

Eye Damage / Irritation - Category 2

Skin Corrosion/Irritation - Category 2

Acute Toxicity - Category 5 (oral)

Flammable Solid - Category 2

Pictograms:

Signal Word:

Warning.

Hazard Statements:

Causes serious eye irritation.

Causes skin irritation.

May be harmful if swallowed.

Flammable solid.

Precautionary Statements - General:

Read label before use.

If medical advice is needed, have product container or label at hand.

Keep out of reach of children.

Precautionary Statements - Prevention:

Wash thoroughly after handling.

Wear protective gloves/protective clothing/eye protection/face protection.

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

Ground/bond container and receiving equipment.

Use explosion-proof equipment.

Precautionary Statements - Response:

Specific treatment (see Section 4 First Aid Measures on this SDS).

IF ON SKIN: Wash with plenty of water.

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

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.

Call a POISON CENTER/doctor if you feel unwell.

Take off contaminated clothing and wash it before reuse.

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

Precautionary Statements - Storage:

Store in a well ventilated place. Keep cool.

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.

SECTION 3) COMPOSITION / INFORMATION ON INGREDIENTS

CAS	Chemical Name	% by Weight
0000471-34-1	CALCIUM CARBONATE	62% - 79%
0007704-34-9	SULFUR	21% - 26%
0001332-65-6	Copper oxychloride	3% - 7%
0001344-73-6	BASIC COPPER SULFATE	1% - 3%

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.

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:

Do not flush to sewer or waterways. Prevent release to the environment if possible.

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. Provide mechanical ventilation for confined spaces. 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.

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.

Face protection:

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

Control Parameters / Exposure Limits:

Sulfur: OEL-RUSSIA: TWA 6mg/m3, JUN 2003

Chemical Name	OSHA TWA (ppm)	OSHA TWA (mg/m3)	OSHA STEL (ppm)	OSHA STEL (mg/m3)	OSHA-Tables-Z1,2,3	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	16.266 lb/gal
% Solids By Weight	99.723%
Density VOC	0.000 lb/gal
% VOC	0.000%
VOC Actual	0.000 lb/gal
VOC Actual	0.000 g/l
Specific Gravity	1.949

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.
Coefficient Water/Oil	N.A.

SECTION 10) STABILITY AND REACTIVITY

Conditions to Avoid:

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

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, alkalies, 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 Polymerization:

Will not occur.

Stability:

Stable

Hazardous Decomposition Products:

Sulfur oxides, hydrogen sulfide.

SECTION 11) TOXICOLOGICAL INFORMATION

Acute Toxicity:

No data available.

Reproductive Toxicity:

No data available.

Germ Cell Mutagenicity:

No data available.

Skin Corrosion/Irritation:

Causes skin irritation.

Aspiration Hazard:

No data available.

Specific Target Organ Toxicity - Single Exposure:

No data available.

Specific Target Organ Toxicity - Repeated Exposure:

No data available.

Serious Eye Damage/Irritation:

No data available.

Respiratory or Skin Sensitization:

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:

Packaging references: Exempt from requirements (49CFR172.102, Special Provision 30)

Commodity Name: Solid sulfur product
Shipping Description: Solid sulfur product

SECTION 15) REGULATORY INFORMATION

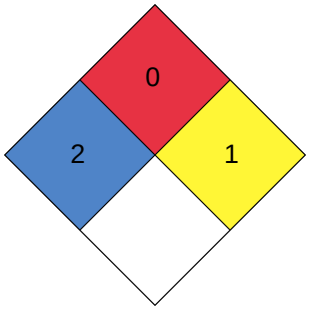
CAS	Chemical Name	% By Weight	Regulation List
0000471-34-1	CALCIUM CARBONATE	62% - 79%	SARA312,TSCA,TX_TCEQ
0001332-65-6	Copper oxychloride	3% - 7%	SARA312,SARA313,TSCA,TX_TCEQ,TX_TCEQ_TOX
0001344-73-6	BASIC COPPER SULFATE	1% - 3%	SARA312,SARA313,TSCA,TX_TCEQ,TX_TCEQ_TOX
0007704-34-9	SULFUR	21% - 26%	SARA312,TSCA,TX_ESL,TX_TCEQ

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



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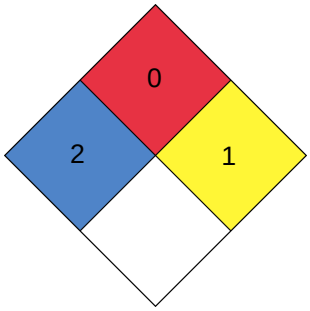

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