



Chem-A-Co, Inc.
801 N. First Street
Monticello, IN, U.S.A.
47960

SCI-62®

SDS Preparation Date (mm/dd/yyyy): 05/25/2015

EPA Reg. No.: 61943-1

Page 1 of 11

SAFETY DATA SHEET

SECTION 1. IDENTIFICATION

Product Identifier used on the label

: SCI-62®

EPA Reg. No. : EPA Reg. No.: 61943-1

Recommended use of the chemical and restrictions on use

: Algicide / Bactericidal compounds

Chemical family : Mixture of: Water; Inorganic copper compound; Acid

Name, address, and telephone number of the chemical manufacturer, importer, or other responsible party:

Chem-A-Co, Inc.

801 N. First Street
Monticello, IN, U.S.A.
47960

Information Telephone # : (574) 583 4368

24 Hr. Emergency Tel # : (888) 255-3924 (Chem Tel)

SECTION 2. HAZARDS IDENTIFICATION

Classification of the chemical

Clear blue liquid. Mild odor.

Most important hazards: This material is classified as hazardous under OSHA regulations (29CFR 1910.1200) (Hazcom 2012).

Hazardous classification:

Corrosive to metals - Category 1

Acute toxicity - Category 4 (Inhalation; Mist)

Skin corrosion - Category 1

Eye Damage - Category 1

Specific target organ toxicity - single exposure - Category 3

Label elements

Signal Word

DANGER!

Hazard statement(s)

May be corrosive to metals. Harmful if inhaled. Causes severe skin burns and eye damage. May cause respiratory irritation.

Precautionary statement(s)

Keep only in original container. Do not breathe dust or mist. Wash hands and face thoroughly after handling. Use only outdoors or in a well-ventilated area. Wear protective gloves/clothing and eye/face protection.

Immediately call a POISON CENTER or doctor/physician. IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. Wash contaminated clothing before reuse. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. IF INHALED: Remove person to fresh air and keep comfortable for breathing.

Absorb spillage to prevent material damage.

Store in a well-ventilated place. Keep container tightly closed. Store locked up. Store in corrosive resistant container with a resistant inner liner.

Dispose of contents/container in accordance with local regulation.

Hazard pictogram(s)





SCI-62®

EPA Reg. No.: 61943-1

SDS Preparation Date (mm/dd/yyyy): 05/25/2015

Page 2 of 11

SAFETY DATA SHEET

Other hazards

Other hazards which do not result in classification:

Toxic fumes may be released during a fire. Ingestion may cause severe irritation to the mouth, throat and stomach. Chronic skin contact with low concentrations may cause dermatitis. Prolonged overexposure may cause liver and kidney effects.

Environmental precautions:

Very toxic to aquatic life with long lasting effects. Avoid release to the environment. See ECOLOGICAL INFORMATION, Section 12.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical name	CAS #	Concentration
Copper sulfate pentahydrate	7758-99-8	18.0 - 22.0
Sulfuric acid	7664-93-9	6.8 - 8.0
<i>From Copper sulfate pentahydrate at 19.8%</i>		
Copper, as metallic	7440-50-8	5.0

Note: The exact concentrations of the above listed chemicals are being withheld as a trade secret.

SECTION 4. FIRST-AID MEASURES

Description of first aid measures

- Ingestion* : Seek immediate medical attention/advice. Do NOT induce vomiting. Rinse mouth thoroughly with water. Never give anything by mouth to an unconscious person.
- Inhalation* : Immediately remove person to fresh air. If breathing has stopped, give artificial respiration. If breathing is difficult, give oxygen by qualified medical personnel only. Immediately call a POISON CENTRE or doctor/physician.
- Skin contact* : Seek immediate medical attention/advice. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. Do not rub area of contact. Wash contaminated clothing before reuse.
- Eye contact* : Seek immediate medical attention/advice. Immediately flush eyes with running water for at least 20 minutes. Protect unharmed eye. Do not rub area of contact.

Most important symptoms and effects, both acute and delayed

- : Direct skin contact may cause corrosive skin burns, deep ulcerations and possibly permanent scarring. Chemical burns, corneal damage, and possibly blindness can result from direct contact. Harmful if inhaled. If mists are formed, may cause severe irritation to the nose, throat and respiratory tract. Symptoms may include coughing, choking and wheezing. Could result in pulmonary edema (fluid accumulation). Symptoms of pulmonary edema (chest pain, shortness of breath) may be delayed. Ingestion may cause severe irritation to the mouth, throat and stomach. Symptoms may include abdominal pain, vomiting, burns, perforations and bleeding. Prolonged overexposure may cause liver and kidney effects. Symptoms may include minor liver inflammation (e.g. jaundice, fatigue, weakness) and histopathological changes in the kidneys.

Indication of any immediate medical attention and special treatment needed

- : Immediate medical attention is required. Corrosive liquid. Treat symptomatically.

SECTION 5. FIRE-FIGHTING MEASURES

Extinguishing media

- Suitable extinguishing media* : Dry chemical, foam, carbon dioxide and water fog.
- Unsuitable extinguishing media* : Water may cause spattering of hot material and may spread burning.



SCI-62®

EPA Reg. No.: 61943-1

SDS Preparation Date (mm/dd/yyyy): 05/25/2015

Page 3 of 11

SAFETY DATA SHEET

Special hazards arising from the substance or mixture

- : Contact with some reactive metals may produce flammable hydrogen gas. Closed containers may rupture if exposed to excess heat or flame due to a build-up of internal pressure.

Flammability classification (OSHA 29 CFR 1910.106)

- : Not considered flammable.

Hazardous combustion products

- : Carbon oxides; sulfur oxides; Other unidentified organic compounds.

Special protective equipment and precautions for firefighters

Protective equipment for fire-fighters

- : Firefighters should wear proper protective equipment and self-contained breathing apparatus with full face piece operated in positive pressure mode. A full-body chemical resistant suit should be worn. Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA.

Special fire-fighting procedures

- : Move containers from fire area if safe to do so. Water spray may be useful in cooling equipment exposed to heat and flame. Do not allow run-off from fire fighting to enter drains or water courses. Dike for water control.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

- : All persons dealing with clean-up should wear the appropriate protective equipment including self-contained breathing apparatus. Keep all other personnel upwind and away from the spill/release. Restrict access to area until completion of clean-up. Refer to Section 8, EXPOSURE CONTROLS AND PERSONAL PROTECTION, for additional information on acceptable personal protective equipment.

Environmental precautions : Ensure spilled product does not enter drains, sewers, waterways, or confined spaces. If necessary, dike well ahead of the spill to prevent runoff into drains, sewers, or any natural waterway or drinking supply.

Methods and material for containment and cleaning up

- : Ventilate area of release. Remove all sources of ignition. Stop spill or leak at source if safely possible. Do not touch or walk through spilled material.

Clean-up methods - small spillage: Contain and absorb spilled liquid with non-combustible, inert absorbent material (e.g. sand). Neutralize with sodium bicarbonate (baking soda). Place spilled material into a suitable, labelled container for later disposal (see Section 13).

Clean-up methods - large spillage: Contact the proper local authorities. Contain spilled liquid with non-combustible, inert absorbent material (e.g. sand). Neutralize with sodium bicarbonate (baking soda). Remove liquid by pumps or vacuum equipment. Place spilled material into a suitable, labelled container for later disposal (see Section 13).

Contaminated absorbent material may pose the same hazards as the spilled product.

Special spill response procedures

- : If a spill/release in excess of the EPA reportable quantity is made into the environment, immediately notify the national response center in the United States (phone: 1-800-424-8802).
US CERCLA Reportable quantity (RQ): Copper (II) sulfate (10 lbs / 4.54 kg); Sulfuric acid (1000 lbs / 454 kg)



SCI-62®

EPA Reg. No.: 61943-1

SDS Preparation Date (mm/dd/yyyy): 05/25/2015

Page 4 of 11

SAFETY DATA SHEET

SECTION 7. HANDLING AND STORAGE

Precautions for safe handling

- : Use in a well-ventilated area. Wear protective gloves/clothing and eye/face protection. Do not breathe dust or mist. Avoid contact with skin, eyes and clothing. Keep away from extreme heat and direct flame. Keep away from bases, metals and other incompatibles. Keep only in original container. Wash thoroughly after handling. Keep containers closed when not in use. Empty containers retain residue (liquid and/or vapour) and can be dangerous. Avoid release to the environment.

Conditions for safe storage

- : Store in a cool, dry, well ventilated area, away from incompatibles. Inspect periodically for damage or leaks. Store locked up. Storage area should be clearly identified, clear of obstruction and accessible only to trained and authorized personnel. Store in corrosive resistant container with a resistant inner liner. May be corrosive to steel and aluminum.

Incompatible materials

- : Strong alkalis; Strong oxidizing agents; Metals; Phosphates; Acetylene; Reducing agents

SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Limits:

Chemical Name	ACGIH TLV		OSHA PEL	
	TWA	STEL	PEL	STEL
Copper sulfate pentahydrate	1 mg/m ³ (dust and mist, as Cu)	N/Av	1 mg/m ³ (dust and mist, as Cu)	N/Av
Sulfuric acid	0.2 mg/m ³ (thoracic fraction)	N/Av	1 mg/m ³	N/Av
Copper, as metallic	0.2 mg/m ³ (fume); 1 mg/m ³ (dust and mist)	N/Av	0.1 mg/m ³ (fume); 1 mg/m ³ (dust and mist)	N/Av

Exposure controls

Ventilation and engineering measures

- : Use general or local exhaust ventilation to maintain air concentrations below recommended exposure limits.

Respiratory protection

- : If the TLV is exceeded, a NIOSH/MSHA-approved respirator is advised. A self contained breathing apparatus should be used in emergency situations or instances where exposure levels are not known. Advice should be sought from respiratory protection specialists. Respirators should be selected based on the form and concentration of contaminants in air, and in accordance with OSHA (29CFR 1910.134).

Skin protection

- : Impervious gloves must be worn when using this product. Advice should be sought from glove suppliers. Wear chemically protective gloves (impervious), boots, aprons, and gauntlets to prevent prolonged or repeated skin contact.

Eye / face protection

- : Chemical splash goggles must be worn when handling this material. A full face shield may also be necessary.

Other protective equipment

- : An eyewash station and safety shower should be made available in the immediate working area. Other equipment may be required depending on workplace standards.

General hygiene considerations

- : Do not breathe dust or mist. Avoid contact with eyes, skin and clothing. Wash hands thoroughly after using this product, and before eating, drinking or smoking. Remove and wash contaminated clothing before re-use. Handle in accordance with good industrial hygiene and safety practice.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance

- : Clear blue liquid.



SCI-62®

SDS Preparation Date (mm/dd/yyyy): 05/25/2015

EPA Reg. No.: 61943-1

Page 5 of 11

SAFETY DATA SHEET

Odor : Mild odor.
Odor threshold : N/Av
pH : 0.5
Melting/Freezing point : N/Av
Initial boiling point and boiling range : 104°C (220°F)
Flash point : N/Av
Flashpoint (Method) : N/Av
Evaporation rate (BuAe = 1) : N/Av
Flammability (solid, gas) : Not applicable.
Lower flammable limit (% by vol.) : N/Av
Upper flammable limit (% by vol.) : N/Av
Oxidizing properties : None known.
Explosive properties : Not explosive
Vapor pressure : 0.1 mmHg @ 20°C (68°F)
Vapor density : 1 (Air = 1)
Relative density : 1.2
Solubility in water : Complete
Other solubility(ies) : N/Av
Partition coefficient: n-octanol/water : N/Av
Auto-ignition temperature : N/Av
Decomposition temperature : N/Av
Viscosity : N/Av
Volatiles (% by weight) : N/Av
Volatile organic Compounds (VOC's) : N/Av
Absolute pressure of container : N/Av
Flame projection length : N/Av
Other physical/chemical comments : No additional information.

SECTION 10. STABILITY AND REACTIVITY

Reactivity : Contact with some reactive metals may produce flammable hydrogen gas. May be corrosive to metals.
Chemical stability : Stable under the recommended storage and handling conditions prescribed.
Possibility of hazardous reactions : Hazardous polymerization will not occur.
Conditions to avoid : Avoid heat and open flame. Avoid contact with incompatible materials. Do not use in areas without adequate ventilation.
Incompatible materials : Strong alkalis; Strong oxidizing agents; Metals; Phosphates; Acetylene; Reducing agents
Hazardous decomposition products : None known, refer to hazardous combustion products in Section 5.

SECTION 11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure:

Routes of entry inhalation : YES



SCI-62®

EPA Reg. No.: 61943-1

SDS Preparation Date (mm/dd/yyyy): 05/25/2015

Page 6 of 11

SAFETY DATA SHEET

Routes of entry skin & eye : YES

Routes of entry ingestion : YES

Routes of exposure skin absorption
: NO

Potential Health Effects:

Signs and symptoms of short-term (acute) exposure

Sign and symptoms inhalation

: Harmful if inhaled. May cause severe irritation to the nose, throat and respiratory tract. Symptoms may include coughing, choking and wheezing. Could result in pulmonary edema (fluid accumulation). Symptoms of pulmonary edema (chest pain, shortness of breath) may be delayed.

Sign and symptoms ingestion

: Ingestion can cause irritation and corrosive action in the mouth, stomach and digestive tract. Symptoms may include abdominal pain, vomiting, burns, perforations and bleeding.

Sign and symptoms skin

: Severely irritating or corrosive. Prolonged contact, such as when trapped against the skin under clothing or jewelry, may result in severe corrosive burns. Severe irritation, burns, ulcerations and contact dermatitis can result.

Sign and symptoms eyes

: Direct contact may strongly irritate or burn the eyes. Could cause burns and permanent eye damage if not promptly removed. Chemical burns, corneal damage, and possibly blindness can result from direct contact.

Potential Chronic Health Effects

: Chronic skin contact with low concentrations may cause dermatitis. Prolonged overexposure may cause liver and kidney effects.

Mutagenicity

: Not expected to be mutagenic in humans.

Carcinogenicity

: Not known to be carcinogenic. No components are listed as carcinogens by ACGIH, IARC, OSHA or NTP.

Reproductive effects

: Not expected to have other reproductive effects.

Senitization to material

: No data available to indicate product or components may be respiratory sensitizers. No data available to indicate product or components may be skin sensitizers.

Specific target organ effects

: This material is classified as hazardous under OSHA regulations (29CFR 1910.1200) (Hazcom 2012).

Classification:

Specific target organ toxicity - single exposure - Category 3.

May cause respiratory irritation.

Medical conditions aggravated by overexposure

: Pre-existing skin, eye and respiratory disorders.

Toxicological data

: The calculated ATE values for this mixture are:
ATE oral = 2043 mg/kg
ATE inhalation (mists) = 4.7 mg/L/4H

See below for individual ingredient acute toxicity data.

Chemical name	LC ₅₀ (4hr) inh, rat	LD ₅₀	
		(Oral, rat)	(Rabbit, dermal)
Copper sulfate pentahydrate	N/Av	481 mg/kg	> 2000 mg/kg (No mortality)
Sulfuric acid	0.375 mg/L (mist)	2140 mg/kg	N/Av
From Copper sulfate pentahydrate at 19.8%			
Copper, as metallic	> 5.11 mg/L (dust) (No mortality)	> 2500 mg/kg	> 2000 mg/kg



SCI-62®

SDS Preparation Date (mm/dd/yyyy): 05/25/2015

EPA Reg. No.: 61943-1

Page 7 of 11

SAFETY DATA SHEET

Other important toxicological hazards

: None known or reported by the manufacturer.

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity : Very toxic to aquatic life with long lasting effects. No data is available on the product itself. The product should not be allowed to enter drains or water courses, or be deposited where it can affect ground or surface waters. The product contains the following substances which are hazardous for the environment: Copper sulfate pentahydrate. This product contains the following substance which may also be hazardous for the environment: Sulfuric acid. Toxicity is primarily associated with pH.

See the following tables for individual ingredient ecotoxicity data.

Ecotoxicity data:

Ingredients	CAS No	Toxicity to Fish		
		LC50 / 96h	NOEC / 21 day	M Factor
Copper sulfate pentahydrate	7758-99-8	0.032 mg/L (Fathead minnow)	N/Av	10
Sulfuric acid	7664-93-9	16 - 28 mg/L (Bluegill sunfish)	N/Av	None.
Copper, as metallic	7440-50-8	N/Av	N/Av	None.

Ingredients	CAS No	Toxicity to Daphnia		
		EC50 / 48h	NOEC / 21 day	M Factor
Copper sulfate pentahydrate	7758-99-8	0.02 - 0.031 mg/L Daphnia pulex (Water flea)	N/Av	10
Sulfuric acid	7664-93-9	29 mg/L/24hr (Daphnia magna)	N/Av	None.
Copper, as metallic	7440-50-8	N/Av	N/Av	None.

Ingredients	CAS No	Toxicity to Algae		
		EC50 / 96h or 72h	NOEC / 96h or 72h	M Factor
Copper sulfate pentahydrate	7758-99-8	N/Av	0.0157 - 0.164 mg/L/72hr (Green algae)	1
Sulfuric acid	7664-93-9	> 100 mg/L/72hr (Green algae)	N/Av	None.
Copper, as metallic	7440-50-8	N/Av	N/Av	None.

Persistence and degradability

: No data is available on the product itself. Biodegradation is not applicable to inorganic materials.

Bioaccumulation potential

: No data is available on the product itself.

Mobility in soil

: No data is available on the product itself.

Other Adverse Environmental effects

: No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.



SCI-62®

EPA Reg. No.: 61943-1

SDS Preparation Date (mm/dd/yyyy): 05/25/2015



Page 8 of 11

SAFETY DATA SHEET

SECTION 13. DISPOSAL CONSIDERATIONS

- Handling for Disposal** : Handle waste according to recommendations in Section 7. Empty containers retain residue (liquid and/or vapour) and can be dangerous. Avoid release to the environment.
- Methods of Disposal** : Dispose in accordance with all applicable federal, state, territory and local regulations.
- RCRA** : If this product, as supplied, becomes a waste in the United States, it may meet the criteria of a hazardous waste as defined under RCRA, Title 40 CFR 261. It is the responsibility of the waste generator to determine the proper waste identification and disposal method. For disposal of unused or waste material, check with local, state and federal environmental agencies.

SECTION 14. TRANSPORTATION INFORMATION

Regulatory Information	UN Number	UN proper shipping name	Transport hazard class(es)	Packing Group	Label
49CFR/DOT	UN3264	CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S. (Sulfuric acid; Copper sulfate)	8	III	 
49CFR/DOT Additional Information	<p>May be shipped as Limited Quantity when transported in containers no larger than 5.0 Litres; in packages not exceeding 30 kg gross mass. Refer to 49 CFR Section 173.154.</p> <p>US CERCLA Reportable quantity (RQ): Copper (II) sulfate (10 lbs / 4.54 kg); Sulfuric acid (1000 lbs / 454 kg)</p> <p>This product contains marine pollutants. The environmentally hazardous substance mark must appear on packagings holding more than 5 litres of the material. "Marine pollutant" must be included with the shipping description on documentation.</p>				

- Special precautions for user** : Appropriate advice on safety must accompany the package.
- Environmental hazards** : This mixture meets the criteria for an environmentally hazardous material according to the IMDG Code. See ECOLOGICAL INFORMATION, Section 12.
- Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code**
: This information is not available.

SECTION 15 - REGULATORY INFORMATION

US Federal Information:

Components listed below are present on the following U.S. Federal chemical lists:

Ingredients	CAS #	TSCA Inventory	CERCLA Reportable Quantity(RQ) (40 CFR 117.302):	SARA TITLE III: Sec. 302, Extremely Hazardous Substance, 40 CFR 355:	SARA TITLE III: Sec. 313, 40 CFR 372, Specific Toxic Chemical	
					Toxic Chemical	de minimus Concentration
Copper sulfate pentahydrate	7758-99-8	Yes	10 lbs / 4.54 kg (anhydrous)	None.	No	N/Ap
Sulfuric acid	7664-93-9	Yes	1000 lb/ 454 kg	1000 lb TPC	Yes	1%
Copper, as metallic	7440-50-8	Yes	5000 lbs / 2270 kg	None.	Yes	1%



SCI-62®

SDS Preparation Date (mm/dd/yyyy): 05/25/2015

EPA Reg. No.: 61943-1

Page 9 of 11

SAFETY DATA SHEET

SARA TITLE III: Sec. 311 and 312, MSDS Requirements, 40 CFR 370 Hazard Classes: Reactive hazard; Immediate (Acute) health hazard; Chronic Health Hazard. Under SARA Sections 311 and 312, the EPA has established threshold quantities for the reporting of hazardous chemicals. The current thresholds are 500 pounds for the threshold planning quantity (TPQ), whichever is lower, for extremely hazardous substances and 10,000 pounds for all other hazardous chemicals.

U.S. Federal Insecticide, Fungicide and Rodenticide Act (FIFRA) information:

This chemical is a pesticide product registered by the United States Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets (SDS), and for workplace labels of non-pesticide chemicals. The hazard information required on the pesticide label is reproduced below. The pesticide label also includes other important information, including directions for use. Following is the hazard information as required on the pesticide label:

DANGER!

Corrosive.

Causes irreversible eye damage.

Harmful if swallowed.

Harmful if absorbed through skin.

US State Right to Know Laws:

The following chemicals are specifically listed by individual States:

Ingredients	CAS #	California Proposition 65		State "Right to Know" Lists					
		Listed	Type of Toxicity	CA	MA	MN	NJ	PA	RI
Copper sulfate pentahydrate	7758-99-8	No	N/Ap	Yes	Yes	No	Yes	Yes	No
Sulfuric acid	7664-93-9	No	N/Ap	Yes	Yes	Yes	Yes	Yes	Yes
Copper, as metallic	7440-50-8	No	N/Ap	Yes	Yes	Yes	Yes	Yes	Yes

Canadian Information:

Canadian Environmental Protection Act (CEPA) information: All ingredients listed appear on the Domestic Substances List (DSL).

International Information:

Components listed below are present on the following International Inventory lists:

Ingredients	CAS #	European EINECS	Australia AICS	Philippines PICCS	Japan ENCS	Korea KECI/KECL	China IECSC	New Zealand IOC
Copper sulfate pentahydrate	7758-99-8	231-847-6 (anhydrous)	Present	Present	(1)-300 (anhydrous)	KE-08956 (anhydrous)	Present	HSR003126
Sulfuric acid	7664-93-9	231-639-5	Present	Present	(1)-724; (1)-430	KE-32570	Present	HSR001572, HSR001573, HSR001588 (dilution)
Copper, as metallic	7440-50-8	231-159-6	Present	Present	Not listed	KE-08896	Present	HSR002948



SCI-62®

EPA Reg. No.: 61943-1

SDS Preparation Date (mm/dd/yyyy): 05/25/2015

Page 10 of 11

SAFETY DATA SHEET

SECTION 16. OTHER INFORMATION

Legend

- : ACGIH: American Conference of Governmental Industrial Hygienists
- ATE: Acute Toxicity Estimate
- CA: California
- CAS: Chemical Abstract Services
- CERCLA: Comprehensive Environmental Response, Compensation, and Liability Act of 1980
- CFR: Code of Federal Regulations
- DOT: Department of Transportation
- EINECS: European Inventory of Existing Commercial chemical Substances
- EPA: Environmental Protection Agency
- HSDB: Hazardous Substances Data Bank
- IARC: International Agency for Research on Cancer
- IBC: Intermediate Bulk Container
- IMDG: International Maritime Dangerous Goods
- Inh: Inhalation
- LC: Lethal Concentration
- LD: Lethal Dose
- MA: Massachusetts
- MN: Minnesota
- MSHA: Mine Safety and Health Administration
- N/Ap: Not Applicable
- N/Av: Not Available
- NIOSH: National Institute of Occupational Safety and Health
- NJ: New Jersey
- NOEC: No observable effect concentration
- NTP: National Toxicology Program
- OECD: Organisation for Economic Co-operation and Development
- OSHA: Occupational Safety and Health Administration
- PA: Pennsylvania
- PEL: Permissible exposure limit
- RCRA: Resource Conservation and Recovery Act
- Ri: Rhode Island
- RTECS: Registry of Toxic Effects of Chemical Substances
- SARA: Superfund Amendments and Reauthorization Act
- SDS: Safety Data Sheet / Material Safety Data Sheet
- STEL: Short Term Exposure Limit
- TDG: Canadian Transportation of Dangerous Goods Act & Regulations
- TLV: Threshold Limit Values
- TWA: Time Weighted Average

References

- : 1. ACGIH, Threshold Limit Values for Chemical Substances and Physical Agents & Biological Exposure Indices for 2015.
- 2. International Agency for Research on Cancer Monographs, searched 2015.
- 3. Canadian Centre for Occupational Health and Safety, CCHInfoWeb databases, 2013 (Chempendium, HSDB and RTECs).
- 4. Material Safety Data Sheets from manufacturer.
- 5. US EPA Title III List of Lists - March 2015 version.
- 6. California Proposition 65 List - May 11, 2015 version.
- 7. OECD - The Global Portal to Information on Chemical Substances - eChemPortal, 2015.

Preparation Date (mm/dd/yyyy)

: 05/25/2015

Other special considerations for handling

: Provide adequate information, instruction and training for operators.



Chem-A-Co, Inc.
801 N. First Street
Monticello, IN, U.S.A.
47960



SCI-62@

SDS Preparation Date (mm/dd/yyyy): 05/25/2015

EPA Reg. No.: 61943-1

Page 11 of 11

SAFETY DATA SHEET

<p>Prepared for: Chem-A-Co, Inc. 801 N. First Street Monticello, IN, U.S.A. 47960 Telephone: (574) 583-4368 Direct all enquiries to: Chem-A-Co, Inc.</p>	
<p>Prepared by: ICC The Compliance Center Inc. http://www.thecompliancecenter.com</p>	

DISCLAIMER

This Safety Data Sheet was prepared by ICC The Compliance Center Inc. using information provided by / obtained from Chem-A-Co, Inc. and CCOHS' Web Information Service. The information in the Safety Data Sheet is offered for your consideration and guidance when exposed to this product. ICC The Compliance Center Inc and Chem-A-Co, Inc. expressly disclaim all expressed or implied warranties and assume no responsibilities for the accuracy or completeness of the data contained herein. The data in this SDS does not apply to use with any other product or in any other process.

This Safety Data Sheet may not be changed, or altered in any way without the expressed knowledge and permission of ICC The Compliance Center Inc. and Chem-A-Co, Inc.

END OF DOCUMENT

