



## Safety Data Sheet

SDS No. 952A

## Section 1 - Chemical Product and Company Identification

**Product/Chemical Name:** Copper Powder**General Use:** Mineral filler**Manufacturer:** Smooth-On, Inc.,

5600 Lower Macungie Rd., Macungie, PA 18062

Phone (610) 252-5800, FAX (610) 252-6200

**Emergency Contact:** Chem-Tel

Domestic: 800-255-3924 International: 813-248-0585

## Section 2 - Hazards Identification

**Classification of the substance or mixture**

Aspiration hazard – Category 2

Eye irritation – Category 2A

**GHS Label elements, including precautionary statements****Pictogram(s):****Signal Word:** Warning

Health H305 May be harmful if swallowed and enters airways

Hazards:

H319 Causes serious eye irritation

General P101 If medical advice is needed, have product container or label  
Precautions: at hand.

P102 Keep out of reach of children.

P103 Read label before use.

Prevention P261 Avoid breathing dust/fume.

Precautions:

P264 Wash skin thoroughly after handling.

P271 Use only outdoors or in a well-ventilated area.

P280 Wear protective gloves/protective clothing/eye  
protection/face protection.Response P304 + IF INHALED: If breathing is difficult, remove victim to fresh  
Precautions: P341 air and keep at rest in a position comfortable for breathing.P305 + IF IN EYES: Rinse cautiously with water for several  
P351 + minutes. Remove contact lenses, if present and easy to  
P338 do. Continue rinsing.P312 Call a POISON CENTER or doctor/physician if you feel  
unwell.

P337 + If eye irritation persists: Get medical advice/attention.

P313

Disposal P501 Dispose of contents/container according to local, state and  
Precautions: federal laws.

**Hazards not otherwise classified (HNOC) or not covered by GHS - none**

**Section 3 - Composition / Information on Ingredients**

The following ingredients are hazardous according to OSHA criteria.

CAS	Component	Concentration
7440-50-8	Copper	>99%

**Section 4 - First Aid Measures**

**Inhalation:** Remove source(s) of contamination and move victim to fresh air. If breathing has stopped, give artificial respiration, then oxygen if needed. Contact physician immediately.

**Eye Contact:** Flush eyes with plenty of water. If irritation persists, seek medical attention.

**Skin Contact:** In case of skin contact, wash thoroughly with soap and water.

**Ingestion:** Do not induce vomiting unless instructed by a physician. Never give anything by mouth to an unconscious person.

**After first aid, get appropriate in-plant, paramedic, or community medical support.**

**Section 5 - Fire-Fighting Measures**

**Flammable Classification:** Non-Flammable

**Extinguishing Media:** Water Fog, Dry Chemical, and Carbon Dioxide Foam

**Unusual Fire or Explosion Hazards:** None known.

**Fire-Fighting Instructions:** Use water spray to cool fire-exposed surfaces and to protect personnel. Shut off "fuel" to fire. If a leak or spill has not ignited, use water spray to disperse the vapors. Either allow fire to burn under controlled conditions or extinguish with foam or dry chemical. Try to cover liquid spills with foam.

**Further information:** Because fire may produce toxic thermal decomposition products, wear a self-contained breathing apparatus (SCBA) with a full face piece operated in pressure demand or positive-pressure mode.

**Section 6 - Accidental Release Measures**

**Spill /Leak procedures:** Spilled material may produce dust hazard if not handled correctly. Wear appropriate personal protective equipment: coveralls, gloves and eye protection. Contain spillages and clean up with vacuum or conventional tools and attempt to minimize dusting. Place in a suitable container for recycling or disposal in accordance with local, state and federal laws.

**Environmental precautions:** Prevent material from entering drains, and waterways.

**Section 7 - Handling and Storage**

**Handling Precautions:** Use only in a well ventilated area and prevent the creation of dust. Use good general housekeeping procedures. Wash hands after use.

**Storage Requirements:** Keep container(s) tightly closed and properly labeled. Store in cool, dry, well ventilated place away from heat, direct sunlight, strong oxidizers and any incompatibles. Store in approved containers and protect against physical damage. Keep containers securely sealed when not in use. Indoor storage should meet OSHA standards and appropriate fire codes. Containers that have been opened must be carefully resealed to prevent leakage. Empty containers retain residue and may be dangerous. Avoid water contamination.

### Section 8 - Exposure Controls / Personal Protection

**Control parameters:**

**Copper:**

Basis	Value	Parameter
OSHA	PEL	1 mg/m <sup>3</sup>
ACGIH-TLV	TWA	1 mg/m <sup>3</sup>

**Respiratory Protection:** Should a respirator be needed, follow OSHA respirator regulations 29 CFR 1910.134 and European Standards EN 141, 143 and 371; wear an MSHA/NIOSH or European Standards EN 141, 143 and 371 approved respirators equipped with particulate filter.

**Hand Protection:** Wear any liquid-tight gloves such as butyl rubber, neoprene or PVC. A gauntlet type glove or long sleeve shirt should also be worn if skin contact is probable and skin is sensitive.

**Eye Protection:** Safety glasses with side shields per OSHA eye- and face-protection regulations 29 CFR 1910.133 and European Standard EN166. Contact lenses are not eye protective devices. Appropriate eye protection must be worn instead of, or in conjunction with contact lenses.

**Other Protective Clothing/Equipment:** Additional protective clothing or equipment is not normally required. Provide eye bath and safety shower.

**Comments:** Never eat, drink, or smoke in work areas. Practice good personal hygiene after using this material, especially before eating, drinking, smoking, using the toilet, or applying cosmetics. Wash thoroughly after handling.

### Section 9 - Physical and Chemical Properties

**Appearance :** yellow powder

**Odor/Threshold:** odorless

**pH:** N.A. (non-aqueous)

**Melting Point/Freezing Point:** N.A.

**Low/High Boiling Point:** N.A.

**Flash Point:** Not applicable.

**Evaporation Rate:** Not available

**Flammability:** Not available

**UEL/LEL:** Not available

**Vapor Pressure:** Not available

**Vapor Density (Air=1):** Not available

**Specific Gravity (H<sub>2</sub>O=1, at 4 °C):** 8.0

**Water Solubility:** Insoluble

**Partition coefficient:** Not available

**Auto-ignition temperature:** Not available

**Decomposition temperature:** Not available

**Viscosity:** Not applicable

**% Volatile:** Nil

### Section 10 - Stability and Reactivity

**Stability:** These products are stable at room temperature in closed containers under normal storage and handling conditions.

**Polymerization:** Hazardous polymerization cannot occur.

**Chemical Incompatibilities:** Strong bases, and acids.

**Hazardous Decomposition Products:** Thermal oxidative decomposition can produce carbon oxides and traces of incompletely burned carbon compounds.

### Section 11- Toxicological Information

**Skin Corrosion/Irritation:** no data

**Serious Eye Damage/Irritation:** Redness, tearing, itching, burning and conjunctivitis.

**Respiratory/Skin Sensitization:** no data

**Germ Cell Mutagenicity:** no data

**Carcinogenicity:** This product is not listed by NTP, IARC, or regulated as a carcinogen by OSHA.

**Reproductive Toxicity:** no data

**Specific Target Organ Toxicity – Single Exposure:** no data

**Specific Target Organ Toxicity – Repeated Exposure:** no data

**Aspiration Hazard:** no data

**Acute Toxicity:** no data

**Chronic Exposure:** no data

**Potential Health Effects – Miscellaneous:** no data

### Section 12 - Ecological Information

**Toxicity:** no data

**Persistence and Degradability:** no data

**Bioaccumulative Potential:** no data

**Mobility in Soil:** no data

**Other Adverse Effects:** no data

### Section 13 - Disposal Considerations

**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.

Empty containers retain product residue which may exhibit hazards of material, therefore to not pressurize, cut, glaze, weld or use for any other purposes. Return drums to reclamation centers for proper cleaning and reuse.

### Section 14 - Transport Information

#### DOT

Not Regulated

#### IATA

**Proper Shipping Name:**  
Environmentally hazardous  
substance, sold n.o.s.  
(copper metal powder)  
**UN:** 3077  
**HC:** 9 **PG:** III  
Label: Marine Pollutant

#### IMDG

**Proper Shipping Name:**  
Environmentally hazardous  
substance, sold n.o.s. (copper  
metal powder)  
**UN:** 3077  
**HC:** 9 **PG:** III  
Label: Marine Pollutant

### Section 15 - Regulatory Information

#### SAR 311/312 Codes:

This product contains the following chemicals that are subject to release reporting requirements under Section 313 of SARA Title III

CAS	Component	Concentration
7440-50-8	Copper	>99%

#### SARA Toxic Chemical (40 CFR 372.65):

CAS	Component	Concentration
7440-50-8	Copper	>99%

**CERCLA Hazardous Substance (40 CFR 302.4):**

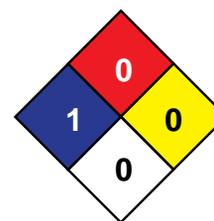
CAS	Component	RQ	Concentration
7440-50-8	Copper	5000 lb	>99%

**TSCA Inventory Status (40 CFR710):** All components of this formulation are listed in the TSCA Inventory.

California Proposition 65: This product does not contain any chemicals which have been identified by the state of California to cause cancer, birth defects or other reproductive harm.

**16 - Other Information**

HMIS	
H	1
F	0
R	0



**NFPA**

**Revision:** 7

**Date Prepared:** May 19, 2015

**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; ESL-Effects screening levels; GHS-Globally Harmonized System of Classification and Labelling of Chemicals; HMIS-Hazardous Material Information Service; IATA-International Air Transport Association; IMDG-International Maritime Dangerous Goods Code; LC-Lethal Concentration; LD-Lethal Dose; LEL-Lower Explosion Level; NFPA-National Fire Protection Association; OEL-Occupational Exposure Limit; OSHA-Occupational Safety and Health Administration, US Dept. 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; TCEQ-Texas Commission on Environmental Quality; TLV-Threshold Limit Value; TSCA-Toxic Substances Control Act Public Law 94-469; TWA-Time Weighted Value; UEL-Upper Explosion Level; US DOT-US Department of Transportation; WHMIS-Workplace Hazardous Materials Information System.

**Disclaimer:** The information contained in this Safety Data Sheet (SDS) is considered accurate as of the version date. However, no warranty is expressed or implied regarding the accuracy of the data. Since the use of this product is not within the control of Smooth-On Inc., it is the user's obligation to determine the suitability of the product for its intended application and assumes all risk and liability for its safe use.

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), the Canadian Workplace

Hazardous Materials Information System (WHMIS), and European Union Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 (REACH).

Classifications of the chemical in accordance with 29 CFR 1910.1200, signal word, hazard and precautionary statement(s), symbol(s) and other information are based on listed concentration of each hazardous ingredient. Unlisted ingredients are not "hazardous" per the OSHA Hazard Communication Standard (29 CFR 1910.1200), WHMIS and EC No 1907/2006 and are considered trade secrets under US Federal Law (29 CFR and 40 CFR), Canadian Law (Health Canada Legislation), and European Union Directives.