U.S. Department of Labor
Occupational Safety and Health Administration
(Non-Mandatory Form). Format meets ANSI Z400.1-1998, OSHA 1910.1200 and WHMIS requirements.

Safety Data Sheet

May be used to comply with OSHA's Hazard Communication Standard, 29 CFR 1910.1200.

Section 1: Product and Company Identification

Product Name:	SOAPSTONE CHALK
End Uses:	MARKING WHEN CUTTING AND WELDING
AWS Classification:	SSFLAT, SSROUND, SSFLATTHIN, SSFLATTHINHOLDER, CSSSHF, CSSSHFEA
Manufacturer:	TECHNIWELD USA
Physical Address:	6205 BOAT ROCK BLVD ATLANTA, GA 30336
Mailing Address:	P.O. Box 44226 ATLANTA, GA 30336
Business Phone:	404-699-9900
Business Fax:	404-699-7800
E-mail Address:	info@TECHNIWELDUSA.COM
Web Address:	www.TECHNIWELDUSA.COM
Emergency Phone:	CHEMTREC (24-Hour) 1-800-424-9300 Outside of the USA & Canada 1-703-527-3887
Date of Preparation:	November 29, 2018
OSHA Regulatory Status:	Non-Regulated
WHMIS Classification:	Not a Controlled Product

Section 2: Hazards Identification

IMPORTANT - This section covers the hazardous materials from which this product is manufactured. The fumes and gases produced during welding with normal use of this product are also addressed in Section 5. The term "hazardous" in this section should be interpreted as a term required and defined in OSHA Hazard Communication Standard (29 CFR Part 1910.1200).

Potential Health Effects:

NFPA

Emergency Overview: Irritating vapors to respiratory system and eyes may form when polymer is processed date high temperatures. Molten or heated material in skin contact can cause severe burns

Routes of Entry: For hot material; Skin contact. Eye contact. Inhalation.

Potential Acute Health Effects:
Eyes: This product is not known to cause eye irritation. However, as with any chemical, some sensitive individuals may experience eye irritation upon contact.

Heated Polymer: Eye contact can cause serious thermal burns. Vapors formed when polymer is heated may be irritating to the eyes.
Skin: No Known acute effects of this product resulting from skin contact at room temperature.
Heated Polymer: Skin contact can cause serious thermal burns.
Inhalation: Negligible hazard at room temperature. Nuisance dusts can be irritating to the upper respiratory tract. Irritating vapors may form when the polymer is processed at high temperatures.
Ingestion: Not effects are expected for ingestion of small amount. May be a choking hazard.

Potential Chronic Health Effects:
Carcinogenic Effects: Classified none by NTP, None by OSHA. 3(not classifiable for human) by IARC.
Medical Conditions Aggravated by Overexposure: There is no known effect from chronic exposure to this product. Repeated or prolonged exposure is not known to aggravate medical condition.

Section 3: Composition and Information on Ingredients

Dangerous Components: None

Description: Mixture of substances listed below with additions.

Ingredient	CAS#	% WEIGHT
SiO2	/	62.6
MgO	1309-48-4	31.4
Al2O3	1344-28-1	2.5
CaO	1305-78-8	2.1
Fe2O3	1309-37-1	1.4

(1)- Copper, if contained in the product, is clearly visible and only present as a surface coating. (2)-Present only in ER80SD-D. ---Dashes indicate the ingredient is present within the group of products.

Section 4: First Aid Measures

After inhalation: Allow the victim to rest in a well-ventilated area.
After skin contact: Polymer. Not known effect on skin contact, rinse with water for few minutes. Heated Polymer. For serious burns from heated polymer , get medical attention in case of skin contact, immediately immerse in or flush with clean, cold water.
After eye contact: Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid immediately.
After swallowing: If symptoms persist consult doctor.
Ingestion: No Fist Aid procedures are needed.
Note to Physician: Not available.

Section 5: Fire Fighting Measures

Flammability of the product: May be combustible at high temperature.
Auto-ignition Temperature: Not available.
Flash Point: Not available.
Flammable Limits: Not available.
Products of Combustion: Carbon Oxides and soot.
Fire Hazards in Presence of Various Substances: No specific information is available in our database regarding the flammability of this product in presence of various materials.
Explosion Hazards in Presence of Various Substances:

Risks of explosion of the product in presence of mechanical impact: Not expected. Risks of Explosion of the product in presence of static discharge: Possible.
Risk of explosion form dust accumulation of this product is possible. See section 7 Handling for more information
Special Remarks on Explosion Hazards: Processing or material handling equipment may generate dust of sufficiently small particle size, that when suspended in air may be explosive.

Section 6: Accidental Release Measures

Small Spill and Leak: Pellets on the floor could present a serious slipping problem. Good housekeeping must be maintained at all times to avoid this hazard. Pellets on the floor could present a serious slipping problem.
Large Spill and Leak: Use a shovel to put the material into a convenient waste disposal container. Do not allow any potentially contaminated water with pellets to enter any waterway, sewer or drain.

Section 7: Handling and Storage

Handling: Avoid Temperatures of 600 ° F (316 ° C) or above. Handling of plastic may form nuisance dust. Protect personnel. Pneumatic material handling and processing equipment may generate dust of sufficiently small particle size that, when suspended in air, may be explosive. Dust accumulations should be controlled through a comprehensive dust control program that includes, but is not limited to, source capture, inspection and repair of leaking equipment, routine housekeeping and employee training in hazards. See NFPA 654.
Storage: Keep container dry. Keep in a cool place. Ground all equipment containing material. Keep container tightly closed. Keep in a cool, well-ventilated place. Combustible materials should be stored away from extreme heat and away from strong oxidizing agents.

Section 8: Exposure Controls / Personal Protection

Additional information about design of technical facilities: No further date; see item 7.

Ingredients with limit values that require monitoring at the workplace:
The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

Additional information: The lists valid during the making were used as basis.

Personal protective equipment:
General protective and hygienic measures:
Keep away from foodstuffs, beverages and feed. Immediately remove all soiled and contaminated clothing. Wash hands before breaks and ate the end of work.
Avoid contact with the skin.
Avoid contact with the eyes and skin.

Respiratory protection:
In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.

Protection of hands:
Protective gloves
The glove material has to be impermeable and resistant to the product/the substance/the preparation.
Due to missing tests not recommendation to the glove material can be given for the product /the preparation/ the chemical mixture.
Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation.

Material of gloves
The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer, As the product is a preparation of several substances, the resistance of the glove material cannot be calculated in advance and has therefore to be checked prior to the application.

Penetration time of glove material
The exact break through time has to be found out by manufacturer of the protective of gloves and has to be observed.

Eye protection: Goggles recommended during refilling

Section 9: Physical and Chemical Properties

General Information	
Form: **Color:** **Odor:**	Solid White Odorless
Change in condition **Melting point/Melting range:** **Boiling point/Boiling range:**	 Not available Not available
Flash point:	Not applicable
Self-igniting:	Not applicable
Danger of explosion:	Not applicable
Density: **Relative density:** **Vapor density:** **Evaporation rate**	Not available Not available Not available Not Applicable
Solubility in/Miscibility with Water:	Not miscible or difficult to mix
Viscosity: **Dynamic:**	 Not available

Section 10: Stability and Reactivity

Chemical Stability: The product is stable at room temperature in closed containers under normal storage and handling conditions.
Conditions to Avoid: temperatures of 600°F (316°C) or above.
Incompatibilities with Other Materials: Reactive with strong oxidizing agents.
Hazardous Decomposition Products: Hazardous decomposition products are carbon monoxide, carbon dioxide, dense smoke, and various hydrocarbons. Exposure of polystyrene to extremely high temperatures (600 deg F or higher) may cause partial decomposition. Chemicals that may be released include styrene monomer, benzene, and other hydrocarbons.
Hazardous Polymerization: Hazardous polymerization will not occur.

Section 11: Toxicological Information

Please refers to section 3 for hazards identification.
Acute Toxicity Data: The following results are for a similar product.

Primary irritant effect: None
on the skin: Irritant to skin and mucous membranes if soluble
on the eye: Sensitizing effects known.
Carcinogenicity: None Determined.
Mutagenicity: None Determined.
Teratogenicity: None Determined.
LD 50: Not available.
LC50: Not available.

Section 12: Ecological Information

Ecotoxical effects: None Established
General notes: Do not allow product to reach ground water, water course or sewage system. Danger to drinking water if even quantities leak into the ground.
Also poisonous for fish and plankton in water bodies.
Ecotoxicity: Not available.
BOD5 and COD: Not available.
Biodegradable/OECD: Not available.
Mobility: Not available.

Section 13: Disposal Considerations

Waste Information: Transfer to an approved disposal area in accordance with federal, state, and local regulations.
Waste Stream: Not available.
Consult your local or regional authorities.

Section 14: Transportation Information

DOT Classification for Bulk Shipments (non bulk shipments may differ): Not a DOT controlled material (United States).
Hazard class number and description: No data
Packing Group: Not applicable
UN Identification: No data
U.S. DOT: Not applicable
North American Emergency response guidebook number, 2000: Not applicable
Marine Pollutant: No component of these products is designated as a Marine Pollutant, per Appendix B to 49 CFR 172. 101

Transport information: Silver oxide battery is considered as “dry cell” and not to subject to hazardous materials(dangerous goods) regulations for the purpose of transportation by the U.S. Department of Transportation (DOT),the International Civil Organization (ICAO),the International Air Transport Association (IAIA) or the International Maritime Organization (IMO) and also is not classified as dangerous under the current edition of the IAIA DANGEROUS GOODS REGULATIONS (IAIA DGR 59th Edition) Special Provision A123 and all applicable carrier and governmental regulations.
During the transportation of a large amount of batteries by ship, trailer or railway, do not leave them in the places of high temperature and do not allow them to be exposed to condensation.
During the transportation, do not allow packages to fall down or be damaged.

Section 15: Regulatory Information

HCS Classification: This product is not a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

U.S. Federal Regulations: TSCA (Toxic Substance Control Act): This product is listed on the TSCA Inventory.

SARA 301/302/303: No chemicals in this product are listed as extremely hazards substances in 40 CFR 355, Emergency Planning And Notification (Appendix A to Part 355).

SARA 304: No chemicals in this product require reporting under the requirement of 40 CFR 355, Emergency Planning and Notification (SARA extremely hazardous substances listed in Appendix A to Part 355 or CERCLA hazardous substances listed in Table 302.4 of 40 CFR Part 302).
SARA 313: This product contains no chemicals in excess of the applicable de minimis concentration that are subject to the reporting requirements of section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372 (Table 372.65).
SARA 311/312: This product is not a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200, and as such does not require reporting under the requirements of 40 CFR 370, Hazardous Chemical Reporting: Community Right-To-Know.

Specific state and local regulations should be consulted to determine if there are any additional requirements. Because many states and localities have added requirements or incorporated

Clean water act (CWA) 307: No products were found.
Clean water act (CWA) 311: No products were found.
Clean air act (CAA) 112 accidental release prevention: No products were found.
Clean air act (CAA) 112 regulated flammable substances: No products were found.
Clean air act (CAA) 112 regulated toxic substances: No products were found.
the Federal contents in their own forms, Tier I & II should be obtained from the State Emergency Response Commission (SERC).

Section 16: Other Information

The contents and format of this MSDS/SDS are in accordance with REGULATION (EC) No 1907/2006, EU Commission Directive 1999/45/EC, 1967/548/EEC.

DISCLAIMER OF LIABILITY
The information in this MSDS/SDS was obtained from sources which we believe are reliable. However, the information is provided without any warranty, express or implied, regarding its correctness. The conditions or methods of handing, storage, use or disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product. This MSDS/SDS was prepared and is to be used only for this product. If the product is used as a component in another product, this MSDS/SDS information may be applicable.

The following Risk and Safety Phrase Texts and Hazard Statements correspond with the columns labeled-EU 67/548/EEC within Section 2 of this material safety data sheet. Take appropriate precautions and protective measures to eliminate or limit the associated hazard.

EU DIRECTIVE 67/548/EEC-RISK PHRASE TEXTS
R20/22-harmful by inhalation and if swallowed

R48/20/22-Harmful: danger of serious damage to health by prolonged exposure through inhalation and if swallowed.

R36/37-Irritating to eyes and respiratory system

For additional information please refer to the following sources:

USA: **American National Standard (ANSI) Z49.1** "Safety in Welding and Cutting", **ANSI/American Welding Society (AWS) F1.5** "Methods for Sampling and Analyzing Gases from Welding and Allied Processes", **ANSI/AWS F1.1** "Method for Sampling Airborne Particles Generated by Welding and Allied Processes", **AWSF3.2/F3.2** "Ventilation Guide for Weld Fume", American Welding Society, 550 North le Jeune Road, Miami, Florida, 33135. Safety and Health Fact Sheets available from AWS at www.aws.org. **OSHA Publication 2206 (29 C.F.R. 1910),** U.S. Government Printing Office, Superintendent of Documents, P.O. Box 371954, Pittsburgh, PA 15250-7954. **Threshold Limit Values and Biological Exposure Indices,** American Conference of Governmental Hygienists (ACGIH), 6500 Glenway Ave., Cincinnati, Ohio 45211, USA. **NFPA51B** "Standard for Fire Prevention During Welding, Cutting and Other Hot Work" published by the National Fire Protection Association, 1 Battery march Park, Quincy, MA 02169

UK: **WMA Publication 236 and 237,** "Hazards from Welding Fume", The arc welder at work, some general aspects of health and safety".

CANADA: **CSA Standard CAN/CSA-W117.2-01** "Safety in Welding, Cutting and Allied Processes".