

Safety Data Sheet (SDS)

Section 1 - Chemical Product and Company Information

Product Name: Surcoat AR

Product Code: SAR

Manufactured by:

Surtreat Solutions, Inc.
1210 Frick Building
437 Grant Street
Pittsburgh, PA 15219

Telephone 412-281-1202

In case of transportation or
chemical emergency contact:

ChemTel, Inc
1-800-255-3924 (24 hours)

Section 2 - Hazards

According to Regulation 2012 OSHA Hazard Communication Standard: 29 CFR Part 1910.1200

GHS Ratings:

Carcinogen 1A Known Human Carcinogen Based on human evidence

GHS Hazards

H350 May cause cancer

GHS Precautions

P201	Obtain special instructions before use
P202	Do not handle until all safety precautions have been read and understood
P281	Use personal protective equipment as required
P308+P313	IF exposed or concerned: Get medical advice/attention
P405	Store locked up
P501	Dispose of contents/container in accordance with local/ regional/ national/, regulations.

Signal Word: Danger



Section 3 - Composition

Chemical Name	CAS number	Weight Concentration %
Crystalline silica	14808-60-7	66.67%

Section 4 - First Aid Measures

INHALATION - Take affected persons out into the fresh air. Supply fresh air; consult doctor in case of complaints. Provide oxygen treatment if affected person has difficulty breathing. In case of irregular breathing or respiratory arrest provide artificial respiration. In case of unconsciousness place patient stably in side position for transportation. Powder is corrosive to skin and nasal passages. Wipe / rinse out as much as possible.

EYE CONTACT - In case of eye contact, flush the eyes with water for fifteen (15) minutes. If contact lenses are worn, remove them if it can be done easily, then flush the eyes with water. Have a physician examine the eyes.

SKIN CONTACT - Immediately remove any clothing soiled by the product. Immediately wash with water and soap and rinse thoroughly. Rinse until skin no longer feels slippery. If skin irritation continues, consult a doctor. Launder clothing before reuse.

INGESTION - If material is ingested, rinse out mouth with water and seek immediate medical attention. Do not induce vomiting but if vomiting occurs spontaneously, keep the head below the hips to prevent aspiration of liquid into the lungs. If victim is conscious drink large quantities of water or acidic beverages like soft drinks or citrus juice to dilute / neutralize stomach contents.

Notes to Physician: If swallowed, gastric irrigation with added, activated carbon. If swallowed or in case of vomiting, danger of entering the lungs. If necessary oxygen respiration treatment.

N/A Section 5 - Fire Fighting Measures

Flash Point: N/A

LEL: N/A

UEL: N/A

EXTINGUISHING MEDIA: This product is not inherently flammable. Use media appropriate for surrounding fire.

UNUSUAL FIRE OR EXPLOSION HAZARDS: This product generates heat when dissolved in water. It can generate flammable hydrogen gas in contact with aluminum.

HAZARDOUS COMBUSTION PRODUCTS: See section 10 for a list of hazardous decomposition products for this mixture.

FIRE FIGHTING: If evacuation of personnel is necessary, evacuate to an upwind area. Decontaminate personnel and equipment with a water wash-down after fire and smoke exposure.

FIRE FIGHTING EQUIPMENT: Firemen and emergency responders: wear full turnout gear or Level A equipment, including positive-pressure, self-contained breathing apparatus (SCBA).

Section 6 - Accidental Release Measures

SPILL AND LEAK PROCEDURES: Spill supervisor - Ensure cleanup personnel wear all appropriate Personal Protective Equipment (PPE), including respiratory protection. Keep nonessential personnel away from the contaminated area. Spilled product may be very slippery! Product absorbs moisture from air and the powders may stick to clothing and equipment. Be careful not to generate dust.

SMALL SPILLS: Ventilate the contaminated area. Sweep up spilled material and reuse or dispose of properly. Mop or rinse floor / equipment with water to remove any residue.

Plastic or steel containers are suitable for waste. Do not use aluminum or galvanized steel.

Dispose of the waste in compliance with all Federal, state, regional, and local regulations.

LARGE SPILLS: Ventilate the contaminated area. Carefully sweep up spilled powder for reuse or disposal. Rinse floor and equipment with water to remove any residue.

Transfer swept material to a covered container. Plastic and steel containers are acceptable. Do not use aluminum or galvanized steel containers or tools.

Label the waste container. Dispose of the waste in compliance with all Federal, state, regional, and local regulations.

Section 7 - Handling and Storage

HANDLING PRECAUTIONS: Wear all appropriate Personal Protective Equipment (PPE). Wear respiratory protection or ensure adequate local ventilation at all times to avoid generating product dust. Keep containers closed when not in use. Store at room temperatures, i.e., 40 to 95 F (4 to 35 C).

Do not allow product to come in contact with aluminum. Do not use aluminum tools for handling.

STORAGE: Requirements to be met by storerooms and receptacles:

Store in a cool location.

Provide ventilation for receptacles.

Information about storage in one common storage facility:

Store away from foodstuffs.

Do not store together with acids.

Further information about storage conditions:

Store in cool, dry conditions in well sealed receptacles.

Keep container tightly sealed.

REGULATORY REQUIREMENTS: No data found.

Section 8 - Exposure Controls / Personal Protection

Chemical Name / CAS No.	OSHA Exposure Limits	ACGIH Exposure Limits	Other Exposure Limits
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Crystalline silica 14808-60-7	Z-3 TWA 30.000000mg/m 3 / %SiO2+2 USA. Occupational Exposure Limits (OSHA) - Table Z-3 Mineral Dusts TWA 10.000000mg/m 3 / %SiO2+2 USA. Occupational Exposure Limits (OSHA) - Table Z-3 Mineral Dusts 250 mpp/ cf	TLV TWA 0.025000 mg/m3 Lung cancer	NIOSH0.050 mg/m3
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ENGINEERING: Design transfer systems to minimize generation of dust and contact with aluminum.

VENTILATION: Use only with adequate ventilation, i.e., ventilation in compliance with occupational exposure limits. Use mechanical ventilation to reduce buildup of vapors and dust in enclosed areas.

ADMINISTRATIVE CONTROLS: Read SDS and follow recommended procedures.

PROTECTIVE EQUIPMENT: Wear splash goggles. If extra protection is required, wear a face shield over the splash goggles. Face shields are effective only if worn in addition to splash goggles.

Wear a chemical-resistant, butyl-rubber apron and other protective clothing, as deemed appropriate, to avoid skin contact with material.

Wear chemical-resistant gloves (butyl rubber or neoprene). Protective gloves should be inspected frequently and discarded when they exhibit cuts, tears, pinholes, or signs of excessive wear.

Respiratory protection may not be needed if the local exhaust is sufficient to maintain levels of hazardous ingredients below occupational exposure limits. If needed, use a NIOSH/MSHA approved respirator equipped with a full facepiece, organic vapor cartridges, and high-efficiency, particulate air (HEPA) filters. Do not use respirators beyond their capabilities. FOR EMERGENCIES AND UNKNOWN CONCENTRATIONS, use supplied-air respiratory protection or a positive-pressure, self-contained breathing apparatus (SCBA).

CONTAMINATED EQUIPMENT: Launder or clean gear before reuse. Dispose of the waste in compliance with all Federal, state, regional, and local regulations.

Section 9 - Physical and Chemical Properties

This mixture typically exhibits the following properties under normal circumstances:

<p>Appearance: Grey to white powder</p> <p>Vapor Pressure: N/A</p> <p>Vapor Density: N/A</p> <p>Specific Gravity: No Data</p> <p>Freezing point: No Data</p>	<p>Odor: Odorless</p> <p>Odor threshold: No Data</p> <p>pH: No Data</p> <p>Melting point: Calculated</p> <p>Solubility: No Data</p>
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Boiling range: N/A Evaporation rate: No Data Explosive Limits: N/A Autoignition temperature: No Data Viscosity: No Data	Flash point: 999°F, 999°C Flammability: No Data Partition coefficient (n-octanol/water): No Data Decomposition temperature: No Data Grams VOC less water: No Data
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Section 10 - Stability and Reactivity

Stability: Hazardous polymerization will not occur.

STABLE

Components of this mixture are incompatible with the following materials: Acids and soft metals like aluminum.

This mixture is likely to exhibit the following combustion products:
Oxides of carbon and nitrogen

Hazardous polymerization will not occur.

Section 11 - Toxicological Information

Mixture Toxicity

Component Toxicity

Exposure to this material may affect the following organs:

Lungs

Effects of Overexposure

Carcinogenicity: The following chemicals comprise 0.1% or more of this mixture and are listed and/or classified as carcinogens or potential carcinogens by NTP, IARC, OSHA (mandatory listing), or ACGIH (optional listing).

<u>CAS Number</u>	<u>Description</u>	<u>% Weight</u>	<u>Carcinogen Rating</u>
14808-60-7	Crystalline silica	66.67	Human carcinogen. IARC: 1 - Group 1: Carcinogenic to humans (Quartz) NTP: Known to be human carcinogen (Quartz) OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

Preexisting skin, eye, and respiratory disorders may be aggravated by exposure to this product.

Section 12 - Ecological Information

Ecological information: No data found.

Component Ecotoxicity

Section 13 - Disposal Considerations

As the US EPA, state, regional, and other regulatory agencies may have jurisdiction over the disposal of your facility's hazardous waste, it is incumbent upon you, the hazardous waste generator, to learn of and satisfy all the requirements which affect you. Dispose of the hazardous waste at a properly licensed and permitted disposal site or facility. Ensure conformity to all applicable hazardous waste disposal regulations.

The US EPA Hazardous Waste Numbers which follow are applicable to this unadulterated product if the product enters the "waste stream." Refer to Title 40 of the Code of Federal Regulations, Part 261 (40 CFR 261). This part of the Code identifies solid wastes which are subject to regulation under various sections of the Code and which are subject to the notification requirements of Section 3010 of the Resource Conservation and Recovery Act (RCRA).

Section 14 - Transport Information

This material is classified for transport as follows:

<u>Agency</u>	<u>Proper Shipping Name</u>	<u>UN Number</u>	<u>Packing Group</u>	<u>Hazard Class</u>
IATA	Not Regulated			

Section 15 - Regulatory Information

Additional regulatory listings, where applicable.

- None

The following chemicals are listed in MA RTK
14808-60-7 Crystalline silica 66.67 %

The following chemicals are on the NJ RTK list:
14808-60-7 Crystalline silica 66.67 %

The following chemicals are on the NY RTK list
- None

The following chemicals are on the PA RTK list
14808-60-7 Crystalline silica 66.67 %

The following chemicals are listed under Prop 65
14808-60-7 Crystalline silica 66.67 % Carcinogen

- None

- None

- None

Country

Canada
US

Regulation

Canadian Domestic Substances List
Toxic Substances Control Act

All Components Listed

No
No



EU Risk Phrases

Safety Phrase

Toxic Substances Control Act (TSCA): All chemicals except those listed below appear in the Toxic Substances Control Act Chemical Substance Inventory:

- None

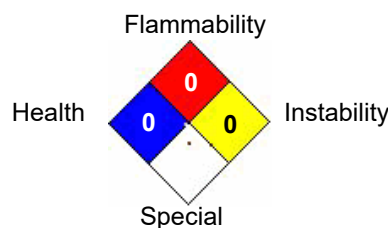
Section 16 - Other Information

Hazardous Material Information System (HMIS)

HEALTH	0
FLAMMABILITY	0
PHYSICAL HAZARD	0
PERSONAL PROTECTION	E

HMIS & NFPA Hazard Rating Legend
* = Chronic Health Hazard
0 = INSIGNIFICANT
1 = SLIGHT
2 = MODERATE
3 = HIGH

National Fire Protection Association (NFPA)



DISCLAIMER AND NON-WARRANTY: This Safety Data Sheet was prepared by Shore Corporation and is correct to the best of our knowledge, information and belief at the date of its publication. The information came from raw material suppliers, regulatory databases, and/or third parties with expertise in this area. This information is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release. No warranties of any kind, either expressed or implied, including warranties of the accuracy of the information presented and the suitability of a product for a particular purpose

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