



THOR Tarp

DIV. OF



INTERNATIONAL, INC



Material Safety Data Sheet Weld Shieldtm 1890 S-T & 3690 ST

Siltemp CH Silica

Section I – Product Information

Trade Name	Siltemp Fabric, CH		
Synonyms	Siltemp 36CH	Siltemp 60CH	Siltemp 84CH
	Siltemp 84CH	Siltemp 100CH	Siltemp 110CH
	Siltemp 136CH	Siltemp 150CH	Siltemp 188CH
Part Number	88-CH; 150-CH; 188-CH.		

Section II – Composition and Information on Ingredients

Ingredient(s)	CAS Number	Approx. Percent
Amorphous Silica	CAS# 7631-86-9	96%
Hydrocarbon Coating	None Assigned	* 0.3% - 0.5%

*% of actual coating as a percentage of the base silica material.

Section III – Hazard Identification

Emergency Overview	Off white or tan colored flexible woven fabric with no odor.
Effects of Overexposure	
Eye Contact	Slight irritation may be caused in contact with eyes.
Skin Contact	Temporary irritation may be caused in contact with eyes.
Inhalation	Inhalation of airborne fibers may cause irritation to mouth, nose, and throat.
Ingestion	May cause temporary irritation of the digestive tract, but not an expected route of entry in industrial uses.
Chronic Hazards	There is no known chronic health effects associated with the use of this product under normal working conditions.
Primary Routes of Entry	Skin contact, inhalation, ingestion & eye contact.
Carcinogenicity	None of the components present in this material at concentrations equal to or greater than 0.1% are listed by IARC, NTP, OSHA, or ACGIH as a carcinogen.

Section IV – First Aid Information

Eye Contact	Flush Eyes immediately with large amounts of water for at least 15 minutes holding eyelids open while flushing. Seek medical attention.
Skin Contact	Wash contaminated skin thoroughly with mild soap and cool water. Seek medical attention if irritation persists.
Inhalation	Remove person from source of exposure and then seek medical attention immediately.
Ingestion	Seek medical attention immediately

Section V – Fire Fighting Measures

Flash Point	N/A
Lower Explosive Limit	N/A
Upper Explosive Limit	N/A
Auto Ignition Temperature	N.D.
Unusual Fire & Explosive Hazards	Carbon dioxide, water foam, or dry chemical as suitable for type of surrounding fire.
Fire Fighting Instructions	Wear full fire fighting protective equipment including self-contained breathing apparatus.

Section VI – Accidental Release Measures

Steps to be taken in Case Material is Released or Spilled

Dust or loose fibers can be vacuumed or swept with the aid of a dust suppressant. Dispose according to federal, state, and local environmental regulations.

Section VII – Handling and Storage

Store material in a clean, dry place and keep container closed.

Particular care should be taken when working with “used” material to minimize dust. If exposure limits are exceeded or if irritation is experienced, NIOSH approved respiratory protection should be worn.

Section VIII – Exposure controls and Personal Protection

Engineering Controls

Ventilation

General ventilation and/or local exhaust ventilation should be utilized to maintain exposures below the TLV.

Respiratory Protection

Use and approved disposable dust respirator designed for nuisance type dusts.

Eye Protection

Safety glasses with side shields or chemical splash goggles must be worn to prevent eye contact. A good safety practice is to have an eyewash station readily available near the work area.

Protective Clothing

Wear rubber gloves when handling this product.

Personnel that are more susceptible to irritation from fibers or dusts should wear full-body coveralls.

Hygienic Practices

Use good personal hygiene practices. The use of protective creams before handling the material may prove beneficial

Exposure Limits

Amorphous Silica

(respirable)

PEL (OSHA) $80 \text{ mg/m}^3 + \% \text{ SiO}_2$ or 20 mppcf

TLF (ACGIH) 10 mg/m^3 (inhalable); 3 mg/m^3

NIOSH 6 mg/m^3

IDLH 3000 mg/m^3

Hydrocarbon Coating

This product is not considered hazardous as defined by 29 CFR 1910, 1200 (OSHA Hazcom Standard).

Section IX – Physical and Chemical Properties

Physical Data

Boiling Point

4046°F

Melting Point

>3000°F

Solubility in Water

Insoluble

Vapor Pressure

N.D.

Vapor Density

N.D.

Specific Gravity

2.2

Color

Off-white or tar colored

Odor

None

Physical State

Woven Fabric

Section X – Stability and Reactivity

Chemical Stability Incompatibilities

Product is stable at normal temperature and storage conditions. Basic phosphates, hydrofluoric acid, and some oxides and hydroxides.

Hazardous Polymerization Hazardous Decomposition Products (coating only)

Hazardous polymerization will not occur under normal conditions. Oxidation of the coating procedures carbon monoxide and carbon dioxide.

Section XI – Toxicological Information

Material which has been subjected to elevated temperatures (>1800°F) may undergo partial conversion to cristobalite, a form of crystalline silica, which may cause respiratory illness. The amount of cristobalite present will depend on the temperature and length of service. The OSHA PEL for cristobalite is .05 mg/m³ (respirable).

Section XII – Ecological Information

No information is available, however, toxicity is expected to be low based on the insolubility in water of this product.

Section XIII – Disposal Considerations

Dispose of waste material in accordance with applicable federal, state, and local environmental regulations.

Section XIV – Transportation Information

DOT Proper Shipping Name	Siltemp Fabric, CH
DOT Hazardous Class	None
DOT UN/NA Number	None
Emergency Response Guide Number	None

Section XV – Regulatory Information

U.S. Federal Regulations

SARA Section 313

This product contains the following substances subject to the reporting requirements of Section 313 of Title III of the Superfund Amendment and Reauthorization Act of 1986 and 40 CFR Part 372: NONE

TSCA

The chemical substances in this product are on the TSCA Section 8 Inventory.

Export Notification

This product contains the following chemical substances subject to the reporting requirements of TSCA 12(B) if exported from the United States: NONE

International Regulations

Canadian WHMIS

This MSDS has been prepared in compliance with controlled Product Regulations except for the use of 16 headings.

Canadian WHMIS Class DSL

Not Regulated

The chemical substances in this product are listed on the Domestic Substances List (DSL)

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