

# MATERIAL SAFETY DATA SHEET

## I. PRODUCT INFORMATION

TRADE NAME ( as labeled ) : HS-300      CAS No: 68911-87-5      DATE PREPARED/REVISED: October 2, 1995

MANUFACTURER'S NAME: Hydro Engineering, Inc.  
865 West 2600 South  
Salt Lake City, Utah 84119

PHONENUMBER ( S ) :  
801/972-1181 In Utah  
800/247-8424 Toll Free

## II. HAZARDOUS INGREDIENTS

Chemical Names Other ( specify )	CAS Numbers	Percent	Exposure Limits in Air ( give units)		
			ACGH TLV	OSHA	PEL
Quartz (Silica)		2			

## III. PHYSICAL PROPERTIES

Vapor density ( air=1 ) : N/A      % Volatile Weight: <2.5%

Specify gravity ( H<sub>2</sub>O=1 ) : N/A      Boiling point or range ( °F ) : N/A

Solubility in water: N/A      Evaporation rate ( butyl acetate=1 ) : N/A

Vapor pressure ( mmHg @ 20 °C ) : N/A

Appearance and order: Black, tan speckled granules

## IV. FIRE AND EXPLOSION

Flash point ( °F ) ( give method ) : N/A

Auto ignition temperature ( °F ) : 190° C (Thin film ignition temp.)

Flammable limits in air ( volume % ) : lower ( LEL ) : Unknown      upper ( UEL ) : Unknown

Fire extinguishing materials:

water fog       carbon dioxide ( CO<sub>2</sub> )       other ( alcohol type )

foam       drychemical

Special fire fighting procedures: Flood with water if ignition occurs. Normal precautions for flammable dusts should be followed.

Unusual fire and explosion hazards: Does not normally present a fire or explosion hazard, but dust concentrations greater than 0.07 oz/ft<sup>3</sup> may ignite at 510° C or when exposed to a spark or other ignition source.

**V. HEALTH HAZARD INFORMATION**

**SYMPTOMS OF OVEREXPOSURE ( for each potential route of exposure) .** No known effects.

**Inhaled:** Unknown

**Skin:** Unknown

**Swallowed:** Unknown

**HEALTH EFFECTS OR RISKS FROM EXPOSURE:** Explain in lay terms.

**Acute:** Unknown

**Cronic:** Unknown

**FIRST AID EMERGENCY PROCEDURES:** No special procedures.

**Eye contact:** N/A

**Skin contact:** N/A

**Inhaled:** N/A

**Swallowed:** N/A

**SUSPECTED CANCER AGENT?**

**NO:** This product's ingredients are not found on the list below.

**YES:**  Federal OSHA  NP  ARC

**California employers using Cal/OSHA -- regulated carcinogen must register with Cal/OSHA. The Cal/OSHA and Federal OSHA lists are similar.**

**MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE:** Continued exposure to dust to skin and/or mucous membranes may cause drying of exposed areas. Avoid chronic inhalation of dust.

**VI. REACTIVITY DATA**

**Stability:**  ~~Stable~~  ~~Unstable~~

**Incompatibility ( materials to avoid) :** None.

**Hazardous decomposition products ( including combustion products) :** None.

**Hazardous polymerization:**  ~~May occur~~  ~~Will not occur~~

**Conditions to avoid:** Avoid exposure of dust aerosol to spark or open flame.

**VII. SPILL, LEAK, AND DISPOSAL PROCEDURES**

**Spill response procedures (include employee protection measures) :** Spilled powder may be collected by shoveling or sweeping provided respirator and eye protection are worn. Care should be exercised to prevent high dust concentrations in the air.

**Disposal methods:** Solid waste disposal. Suitable for incineration.

**NOTE: Dispose of all wastes in accordance with federal, state, and local regulations.**

**VIII. SPECIAL HANDLING INFORMATION**

**Ventilation and engineering controls:** Adequate dust collection system should be used to avoid formation of dust aerosol.

**Respiratory protection (type) :** Dust mask required.

**Eye protection (type) :** Goggles or safety glasses.

**Gloves (specify material) :** Recommended.

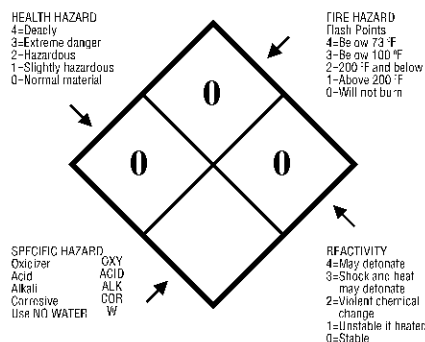
**Other clothing and equipment:** None.

**Work practices, hygiene practices:** Avoid breathing dust.

**Other handling and storage requirements:** Precautions for finely divided flammable dust should be followed. Avoid high dust concentrations. Use adequate dust collection equipment. Insure all equipment is properly grounded to prevent static discharge. Keep dust away from open flame, heat, sparks, and electrical equipment.

**IX. REPORTING REQUIREMENTS & ADDITIONAL INFORMATION**

NFPA 704 Code System Rating = Health 0; Flammability 0; Reactivity 0; Personal Protection E.



**NFPA 704 Code System**