



# Safety Data Sheet

Better Chemistry. Better Business

## NEUTRAL SALT BS

Revised: 1/10/18

### 1 IDENTIFICATION

Product Name: NEUTRAL SALT BS

Product Code :2282000

Recommended use of the chemical and restrictions on use: Metal finishing

#### Hubbard-Hall Inc.

563 South Leonard Street

Waterbury, CT 06708

Telephone: 203-756-5521

Fax number: 203-756-9017

Emergency Phone Number

CHEMTREC: 1 (800) 424-9300

International: 1 (703) 527-3887

### 2 HAZARDS IDENTIFICATION



**Hazard Category:** Carcinogenicity Hazard Category 1A

Specific Target Organ Toxicity (Repeated Exposure) Hazard Category 1

**Hazard Statements:** May cause cancer by inhalation.

Causes damage to lungs through prolonged or repeated exposure by inhalation..

**Prevention:** Obtain special instruction before use.

Do not handle until all safety precautions have been read and understood.

Do not breath dusts or mists.

Do not eat, drink or smoke when using this product.

Wear rubber protective gloves and goggles.

In case of inadequate ventilation wear respiratory protection.

**Response:** IN CASE OF FIRE: ALCOHOL FOAM, CO2, DRY CHEMICAL EXTINGUISHER SHOULD BE USED. FIREFIGHTERS SHOULD USE SELF-CONTAINED BREATHING APPARATUS.

If exposed or concerned: Get medical advice/attention.

**Disposal:** Dispose of contents/container in accordance with local, regional, national, or international regulations.

### 3 COMPOSITION INFORMATION

Chemical Name	Common Name And Synonyms	CAS No. and other Unique identifiers	Concentration %
Silica Quartz	-	14808-60-7	~0.5%

#### 4 FIRST AID

**After Skin Contact:**

If on skin: Wash with plenty of water.

**After Eye Contact:**

If in eyes: wash with plenty of water and get medical attention if burned or irritated.

**After Ingestion:**

If swallowed: Immediately call poison center or doctor. This product contains Potassium and Sodium Chlorides.

#### Most Important Symptoms/Effects

**Eye:**

Irritation of eyes and skin.

#### 5 FIRE FIGHTING MEASURES

<b>Suitable and Unsuitable extinguishing media:</b>	Will not burn or support combustion. Use extinguishing media appropriate for surrounding fire, such as water spray, dry chemical, foam or carbon dioxide.
<b>Specific hazards arising from the chemical:</b>	When fighting fires in areas where this product is being used in molten state, contact with water will result in violent reaction. (product used in molten state at temperature > 1000 °F)
<b>Special protective equipment and precautions for firefighter</b>	Wear chemical resistant protective equipment and self contained breathing apparatus (SCBA).

#### 6 ACCIDENTAL RELEASE MEASURES

<b>Personal Precautions, Protective Equipment, &amp; Emergency Proc</b>	na
<b>Methods and Materials for containment &amp; cleaning up:</b>	Sweep up and return to container

#### 7 HANDLING AND STORAGE

<b>Precautions for safe handling:</b>	Keep container tightly closed.
<b>Conditions for safe storage, inc any incompatibilities:</b>	Store in cool dry place.

#### 8 EXPOSURE CONTROLS / PERSONAL PROTECTION

Name	Std.	TWA-8hrs	STEL - 15 min.
Silica Quartz	ACGIH	0.025 mg/m3 (Respirable dust)	

ACGIH - American Control of Governmental Hygenists  
OSHA - Occupational Safety and Health Administration

<b>Protective Gloves:</b>	Thermal resistant leather
<b>Eye Protection:</b>	Wear chemical safety goggles with face shield.

#### 9 PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance:</b>	White to off-white granular mixture
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Odor:	bleach odor
Odor Threshold:	N/A
PH:	N/A
Melting Point/Freezing Point:	N/A
Initial Boiling Point and Boiling Range:	N/A
Flash Point:	N/A
Evaporation Rate:	N/A
Flammability (solid, gas):	N/A
Upper/Lower flammability or explosive limits:	N/A
Vapor Pressure:	N/A
Vapor Density:	N/A
Relative Density:	N/A
Solubility (ies):	Complete in water
Partition Coefficient; n-octanol/water:	N/A
Auto-ignition Temperature:	N/A
Decomposition Temperature:	N/A
Viscosity:	N/A

## 10 STABILITY AND REACTIVITY

Conditions to Avoid:	Contact with incompatible materials when use in molten state.
Incompatible Materials:	When in use in molten state material is incompatible with all chemicals except other heat transfer salts.

## 11 TOXICOLOGICAL INFORMATION

Oral Administration:	Silica Quartz -LD50(Rat)->22,500 mg/kg
Dermal administration:	Not established for this product
Irritation:	May cause irritation to skin and eyes.
Long term exposure:	Prolonged inhalation of respirable crystalline silica may cause lung disease, silicosis, lung cancer and other effects as indicated below. <b>Chronic or Ordinary Silicosis:</b> the most common form of silicosis, and can occur after many years (10 to 20 or more) of prolonged repeated inhalation of relatively low levels of airborne respirable crystalline silica dust. It is further defined as either simple or complicated silicosis. Simple silicosis is characterized by lung lesions (Shown as radiographic opacities) less than 1 centimeter in diameter, primarily in the upper lung zones.
Long term exposure:	Often, simple silicosis may be progressive and may develop into complicated silicosis or progressive massive fibrosis (PMF). Complicated silicosis or PMF is characterized by lung lesions (shown as radiographic opacities) greater than 1 centimeter in diameter. Complicated silicosis or PMF symptoms, if present, are shortness of breath and cough.
Long term exposure:	Complicated silicosis or PMF may be associated with decreased lung function and may be disabling. Advanced complicated silicosis or PMF may lead to death. Advanced complicated silicosis or PMF can result in secondary heart disease to lung disease (cor pulmonale). <u>Accelerated silicosis</u> -can occur with prolonged repeated inhalation of high concentrations of crystalline silica over a relatively short period; the lung lesions can appear within 5 years of initial exposure.
Long term exposure:	Progression can be rapid. Accelerated silicosis is similar to chronic or ordinary silicosis, except the lung lesions appear earlier and progression is more rapid. <u>Acute silicosis</u> - can occur after the repeated inhalation of very high concentrations of respirable silica over a short period of time, sometimes as short as a few months. The symptoms of acute silicosis include progressive shortness of breath, fever, cough, weakness and weight loss. Acute silicosis is fatal.

**Long term exposure:** **Autoimmune diseases**-Several studies have reported excess cases of several autoimmune disorders--schleroderma,systemic lupus erythematosus,rheumatoid arthritis--among silica exposed workers. **Tuberculosis**-Individuals with silicosis are at increased risk to develop pulmonary tuberculosis, if exposed to tuberculosis bacteria. Individuals with chronic silicosis have a three-fold higher risk of contracting tuberculosis than similar individuals without silicosis.

**Long term exposure:** Several studies have reported excess cases of kidney diseases, including end stage renal disease, among silica exposed workers.

**Cancer Hazard:** Silica Quartz-IARC Group I -carcinogenic to humans,ACGIH Class 2A-suspected human carcinogen

**Routes of Exposure** Eyes, Skin, Inhalation, Ingestion

## 12 ECOLOGICAL INFORMATION

**Daphnia Magna,** no data available  
**Persistence and Degradability:** Not Available  
**Water result:** Disperses in water.  
**Soil/Sediment Result:** No data available

## 13 DISPOSAL CONSIDERATION

*Dispose of in accordance with local, state and federal regulations.*

## 14 TRANSPORT INFORMATION

**UN Proper Shipping Name:** NOT D.O.T. REGULATED

## 15 REGULATORY INFORMATION

**HMIS: Health: 1 Flammability: 0 Reactivity: 0**

## 16 OTHER INFORMATION

**Disclaimer:** The information is based on our knowledge to date but does not constitute an assurance of product properties and does not imply a legal contractual relationship.