



HI-VALLEY CHEMICAL

LABORATORY PRODUCTS

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SAFETY DATA SHEET

Hi Valley Chemical

Talc

1 PRODUCT AND COMPANY IDENTIFICATION

Product Identifier: Talc
SDS Number: R-092
Product Code: 769624-1, 769624-5, 769624-10, 769624-25, 769624-50
Revision Date: 7/7/2016
Version: 1
Supplier Details: High Valley Products, Inc.
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2 HAZARDS IDENTIFICATION

Classification of the Substance or Mixture

GHS Classification in Accordance with 29 CFR 1910 (OSHA HCS):

- Health, Skin corrosion/irritation, 3
- Health, Acute toxicity, 4 Inhalation
- Health, Specific target organ toxicity - Single exposure, 3

GHS Label Elements, Including Precautionary Statements

GHS Signal Word: **WARNING**

GHS Hazard Pictograms:



GHS Hazard Statements:

- H316 - Causes mild skin irritation
- H332 - Harmful if inhaled
- H336 - May cause drowsiness or dizziness

GHS Precautionary Statements:

- P261 - Avoid breathing dust/fume/gas/mist/vapors/spray.

3 COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients:

Cas#	%	Chemical Name
14807-96-6	>96%	Talc (Mg3H2(SiO3)4)
1318-59-8	<2%	Chlorite
16389-88-1	<2%	Dolomite (CaMg(CO3)2)
546-93-0	<2%	Magnesite

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FIRST AID MEASURES

Inhalation:	Remove to fresh air.
Skin Contact:	Wash with soap and water.
Eye Contact:	Immediately flush eyes with large amounts of water for at least 15 minutes, lifting eyelids occasionally to facilitate irrigation.
Ingestion:	Drink large quantities of water. Never give liquid to an unconscious person.

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FIRE FIGHTING MEASURES

Extinguishing media
 Suitable extinguishing media
 Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Special hazards arising from the substance or mixture
 No data available

Advice for firefighters
 Wear self-contained breathing apparatus for firefighting if necessary.

Further information
 No data

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ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures:

Wear respiratory protection. Avoid dust formation. Avoid breathing dust, vapours, mist or gas. Ensure adequate ventilation.

Environmental precautions:

Do not let product enter drains.

Methods and materials for containment and cleaning up:

Soak up with inert absorbent material and dispose of as hazardous waste. Keep in suitable, closed containers for disposal.

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HANDLING AND STORAGE

Handling Precautions:	Avoid formation of dust. Avoid breathing dust. If excessive dust is generated, provide adequate ventilation and use proper respiratory and personal protective equipment.
Storage Requirements:	Keep the product dry and in closed containers. Store it in a cool and well-ventilated space.

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EXPOSURE CONTROLS/PERSONAL PROTECTION

Personal Protective Equipment:	Talc (Mg ₃ H ₂ (SiO ₃) ₄) (14807-96-6) [>96%] Personal protective equipment Respiratory protection: For nuisance exposures use type P95 (US) or type P1 (EU EN 143) particle respirator. For higher level protection use type OV/AG/P99 (US) or type ABEK-P2 (EU EN 143) respirator cartridges. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU). Hand protection: Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching gloves outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands. Immersion protection Material: Nitrile rubber Minimum layer thickness: 0.11 mm Break through time: > 480 min Material tested: Dermatrill (Aldrich Z677272, Size M) Splash protection: Material: Nitrile rubber Minimum layer thickness: 0.11 mm Break through time: > 30 min Material tested: Dermatrill (Aldrich Z677272, Size M) data source: KCL GmbH, D-36124 Eichenzell, phone +49 (0)6659 873000, e-mail sales@kcl.de, test method: EN374 If used in solution, or mixed with
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other substances, and under conditions which differ from EN 374, contact the supplier of the CE approved gloves. This recommendation is advisory only and must be evaluated by an Industrial Hygienist familiar with the specific situation of anticipated use by our customers. It should not be construed as offering an approval for any specific use scenario.

Eye protection: Safety glasses with side-shields conforming to EN166 Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin and body protection: Complete suit protecting against chemicals, The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Hygiene measures: Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

Exposure Guidelines

Talc ($Mg_3H_2(SiO_3)_4$) (14807-96-6) [$>96\%$]

Components with workplace control parameters

TWA 20Million particles per USA. Occupational Exposure Limits (OSHA) - Table Z-3
Mineral Dusts

Millions of particles per cubic foot of air, based on impinger samples counted by light-field techniques. Containing less than 1% quartz; if 1% quartz or more, use quartz limit. mppcf X 35.3 = million particles per cubic meter = particles per c.c

TWA 2 mg/m³ USA. OSHA - TABLE Z-1 Limits for Air Contaminants -
1910.1000

TWA 2 mg/m³ USA. NIOSH Recommended Exposure Limits

TWA 2 mg/m³ USA. ACGIH Threshold Limit Values (TLV)
Lower Respiratory Tract irritation The value is for particulate matter containing no asbestos and < 1% crystalline silica Not classifiable as a human carcinogen

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PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	White
Physical State:	Powder
Odor:	None
Odor Threshold:	No data available
Solubility:	Solubility in water: Negligible Solubility in hydrofluoric acid: Yes
Spec Grav./Density:	2.58 - 2.83
Viscosity:	No data available
Boiling Point:	No data available
Freezing/Melting Pt.:	$>1300^{\circ}C$
Flash Point:	No data available
Partition Coefficient:	No data available
Vapor Pressure:	No data available
Vapor Density:	No data available
pH:	9 - 9.5 (suspension of 10% talc in water)
Evap. Rate:	No data available
Auto-Ignition Temp:	No data available
Decomp Temp:	$>1000^{\circ}C$
UFL/LFL:	No data available

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STABILITY AND REACTIVITY

Reactivity: Stable material
Chemical Stability: Stable under normal conditions.
Conditions to Avoid: None
Materials to Avoid: None
Hazardous Decomposition: None

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TOXICOLOGICAL INFORMATION

Talc (Mg₃H₂(SiO₃)₄) (14807-96-6) [>96%]

Information on toxicological effects

Acute toxicity:

Oral LD50 no data available

Inhalation LC50

Dermal LD50

Other information on acute toxicity

Skin corrosion/irritation: Skin - Human - Mild skin irritation - 3 h

Serious eye damage/eye irritation: no data available

Respiratory or skin sensitization: no data available

Germ cell mutagenicity: no data available

Carcinogenicity:

Carcinogenicity - rat - Inhalation:

Tumorigenic: Carcinogenic by RTECS criteria. Lungs, Thorax, or Respiration: Bronchiogenic carcinoma. Endocrine: Tumors.

Carcinogenicity - rat - Inhalation:

Tumorigenic: Equivocal tumorigenic agent by RTECS criteria. Lungs, Thorax, or Respiration: Tumors.

This product is or contains a component that has been reported to be possibly carcinogenic based on its IARC, ACGIH, NTP, or EPA classification.

IARC: 1 - Group 1: Carcinogenic to humans (Quartz)

IARC: 3 - Group 3: Not classifiable as to its carcinogenicity to humans (Hydrous magnesium silicate)

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.

Reproductive toxicity: no data available

Teratogenicity: no data available

Specific target organ toxicity - single exposure (Globally Harmonized System):

Inhalation - May cause respiratory irritation. - Lungs

Specific target organ toxicity - repeated exposure (Globally Harmonized System):

no data available

Aspiration hazard: no data available

Potential health effects: Inhalation Toxic if inhaled. May cause respiratory tract irritation. Ingestion May be harmful if swallowed. Skin May be harmful if absorbed through skin. May cause skin irritation. Eyes May cause eye irritation.

Signs and Symptoms of Exposure: Prolonged inhalation of crystalline silica may result in silicosis, a disabling pulmonary fibrosis characterized by fibrotic changes and miliary nodules in the lungs, a dry cough, shortness of breath, emphysema, decreased chest expansion, and increased susceptibility to tuberculosis. In advanced stages, loss of appetite, pleuritic pain, and total incapacity to work. Advanced silicosis may result in death due to cardiac failure or destruction of lung tissue. Crystalline silica is classified as group 1 "known to be carcinogenic to humans" by IARC and "sufficient evidence" of carcinogenicity by the NTP.

Synergistic effects: no data available

Additional Information:

RTECS: WW2710000

12 ECOLOGICAL INFORMATION

Talc ($\text{Mg}_3\text{H}_2(\text{SiO}_3)_4$) (14807-96-6) [>96%]

Information on ecological effects

Toxicity: no data available

Persistence and degradability: no data available

Bioaccumulative potential: no data available

Mobility in soil: no data available

PBT and vPvB assessment: no data available

Other adverse effects: no data available

13 DISPOSAL CONSIDERATIONS

Dispose of in accordance with local regulations.

14 TRANSPORT INFORMATION

None DOT regulated

15 REGULATORY INFORMATION

Component (CAS#) [%] - CODES

Talc ($\text{Mg}_3\text{H}_2(\text{SiO}_3)_4$) (14807-96-6) [>96%] MASS, OSHAWAC, PA, TSCA, TXAIR

Chlorite (1318-59-8) [<2%]

Dolomite ($\text{CaMg}(\text{CO}_3)_2$) (16389-88-1) [<2%] TSCA

Magnesite (546-93-0) [<2%] MASS, OSHAWAC, TSCA, TXAIR

Regulatory CODE Descriptions

MASS = MA Massachusetts Hazardous Substances List

OSHA = OSHA workplace Air Contaminants

PA = PA Right-To-Know List of Hazardous Substances

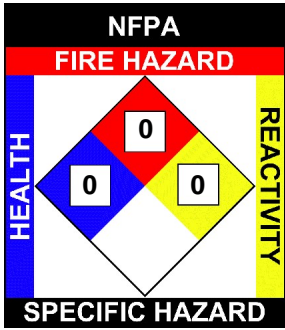
TSCA = Toxic Substances Control Act

TXAIR = TX Air Contaminants with Health Effects Screening Level

16 OTHER INFORMATION

NFPA: Health = 0, Fire = 0, Reactivity = 0, Specific Hazard = n/a

HMIS III: Health = 1(Chronic), Fire = 0, Physical Hazard = 0



HMIS	
HEALTH	<input checked="" type="checkbox"/> 1
FLAMMABILITY	0
PHYSICAL HAZARD	0
PERSONAL PROTECTION	<input type="checkbox"/>

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