



HI-VALLEY CHEMICAL

LABORATORY PRODUCTS

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SAFETY DATA SHEET

Hi Valley Chemical

Talc

1 PRODUCT AND COMPANY IDENTIFICATION

Supplier Details: High Valley Products, Inc.
1134 West 850 North
Centerville, Utah 84014

Emergency: PERS: 800-633-8253
Phone: 801-295-9591
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2 HAZARDS IDENTIFICATION

Classification of the Substance or Mixture

GHS Classification in Accordance with 29 CFR 1910 (OSHA HCS):
Health, Carcinogenicity, 1 A

GHS Label Elements, Including Precautionary Statements

GHS Signal Word: **DANGER**

GHS Hazard Pictograms:



GHS Hazard Statements:

H350 - May cause cancer (Inhalation)

GHS Precautionary Statements:

- P201 - Obtain special instructions before use.
- P202 - Do not handle until all safety precautions have been read and understood.
- P260 - Do not breathe dust/fume/gas/mist/vapors/spray.
- P280 - Wear protective gloves/protective clothing/eye protection/face protection.
- P308 + P313 - IF exposed or concerned: Get medical advice/ attention.
- P405 - Store locked up.

3 COMPOSITION/INFORMATION OF INGREDIENTS

Ingredients:

Cas#	%	Chemical Name
14807-96-6	60-100%	Talc
1318-59-8	1-15%	Chlorite
14808-60-7	0.1-1%	Quartz (fine fraction)

4 FIRST AID MEASURES

Inhalation: Remove to fresh air. Keep at rest in a position comfortable for breathing. If symptoms develop, obtain medical attention.

Skin Contact: Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse. If symptoms develop, obtain medical attention.

Eye Contact: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If symptoms develop, obtain medical attention.

Ingestion: Rinse mouth. Do NOT induce vomiting. Give 100 - 200 ml of water to drink. If symptoms develop, obtain medical attention.

Most important symptoms and effects, both acute and delayed.

Symptoms/injuries after inhalation: May cause irritation to the respiratory tract.
Symptoms/injuries after skin contact: Repeated and/or prolonged skin contact may cause irritation.
Symptoms/injuries after eye contact: May cause eye irritation.

5 FIRE FIGHTING MEASURES

Extinguishing media
Suitable extinguishing media
Use extinguishing media appropriate for surrounding fire.

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

6 ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures:
Wear respiratory protection as required. Avoid dust formation. Avoid breathing dust, vapors, mist or gas. Ensure adequate ventilation.

Environmental precautions:
Do not let product enter drains.

Methods and materials for containment and cleaning up:
Collect using vacuum cleaner fitted with HEPA filter. Sweep or shovel spills into appropriate container for disposal. Minimize generation of dust. Do not dry sweep dust. Store away from other materials.

7 HANDLING AND STORAGE

Handling Precautions: Provide appropriate exhaust ventilation at places where dust is formed. Avoid dust formation. Avoid contact with skin and eyes. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Do not breathe dust.

Storage Requirements: Keep container tightly closed.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Personal Protective Equipment: Talc (Mg₃H₂(SiO₃)₄) cas#:(14807-96-6) [60-100%]
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: Dermatril (Aldrich Z677272, Size M)

Splash protection: Material: Nitrile rubber Minimum layer thickness: 0.11 mm Break through time: > 30 min Material tested: Dermatril (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 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.

Quartz (SiO₂) cas#:(14808-60-7) [0.1-1%]

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.

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.

Talc (Mg₃H₂(SiO₃)₄) cas#:(14807-96-6) [60-100%]

Components with workplace control parameters

TWA 20 Million 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

USA. Occupational Exposure Limits (OSHA) - Table Z-3
Mineral Dusts

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

Quartz (SiO₂) cas#:(14808-60-7) [0.1-1%]

Components with workplace control parameters

TWA 0.025 mg/m3 USA. ACGIH Threshold Limit Values (TLV)
Suspected human carcinogen

TWA 0.025 mg/m3 USA. ACGIH Threshold Limit Values (TLV)
Lung cancer Pulmonary fibrosis Suspected human carcinogen

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PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	White Powder.
Physical State:	Solid
Odor:	No data available
Odor Threshold:	No data available
Solubility:	Insoluble in water
Spec Grav./Density:	2.8
Viscosity:	No data available
Boiling Point:	No data available
Freezing/Melting Pt.:	No data available
Flash Point:	No data available
Partition Coefficient:	No data available
Vapor Pressure:	No data available
Vapor Density:	No data available
pH:	No data available
Evap. Rate:	No data available
Auto-Ignition Temp:	No data available
Decomp Temp:	No data available
UFL/LFL:	No data available

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STABILITY AND REACTIVITY

Reactivity:	Stable material at normal ambient temperature and pressure.
Chemical Stability:	Stable under normal conditions.
Conditions to Avoid:	Dust formation

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TOXICOLOGICAL INFORMATION

Talc (Mg₃H₂(SiO₃)₄) cas#:(14807-96-6) [60-100%]

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

Quartz (SiO₂) cas#:(14808-60-7) [0.1-1%]

Information on toxicological effects

Acute toxicity:

Oral LD50 no data available

Inhalation LC50

Dermal LD50

Other information on acute toxicity

Skin corrosion/irritation: no data available

Serious eye damage/eye irritation: no data available

Respiratory or skin sensitization: no data available

Germ cell mutagenicity: no data available

Carcinogenicity:

Limited evidence of carcinogenicity in human studies

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

ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

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):
no data available

Specific target organ toxicity - repeated exposure (Globally Harmonized System):
Inhalation - May cause damage to organs through prolonged or repeated exposure.

Aspiration hazard: no data available

Potential health effects: Inhalation May be harmful 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., The chronic health risks are associated with respirable particles of 3-4 um over protracted periods of time. Currently, there is a limited understanding of the mechanisms of quartz toxicity, including its mechanisms for lung carcinogenicity. Additional studies are needed to determine whether the cell transforming activity of quartz is related to its carcinogenic potential.

Synergistic effects: no data available

Additional Information:

RTECS: VV7330000

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ECOLOGICAL INFORMATION

Talc (Mg₃H₂(SiO₃)₄) cas#:(14807-96-6) [60-100%]

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

Quartz (SiO₂) cas#:(14808-60-7) [0.1-1%]

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

Non D.O.T. regulated

15 REGULATORY INFORMATION

Component (CAS#) [%] - CODES

Talc ($Mg_3H_2(SiO_3)_4$) (14807-96-6) [60-100%] MASS, OSHAWAC, PA, TSCA, TXAIR

Chlorite (1318-59-8) [1-15%]

Quartz (SiO_2) (14808-60-7) [0.1-1%] MASS, NRC, OSHAWAC, PA, TSCA, TXAIR

Regulatory CODE Descriptions

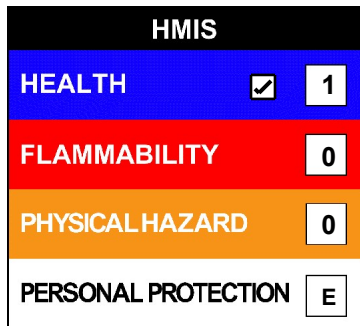
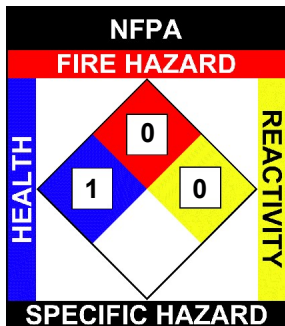
MASS = MA Massachusetts Hazardous Substances List
OSHAWAC = OSHA Workplace Air Contaminants
PA = PA Right-To-Know List of Hazardous Substances
TSCA = Toxic Substances Control Act
TXAIR = TX Air Contaminants with Health Effects Screening Level
NRC = Nationally Recognized Carcinogens

16 OTHER INFORMATION

NFPA: Health = 1, Fire = 0, Reactivity = 0, Specific Hazard = n/a

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

HMIS PPE: E - Safety Glasses, Gloves, Dust Respirator



Disclaimer:

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