



Univar USA Inc.
6100 Carillon Point
Kirkland, WA 98033
(425) 889-3400

For Emergency Assistance involving chemicals call - CHEMTREC (800)
424-9300

=====

The Version Date for this MSDS is : 06/14/2000

PRODUCT IDENTIFICATION

PRODUCT NAME PUMICE

MSDS# 34814

DATE ISSUED: 1/2/99

SUPERSEDES: new

ISSUED BY: 004559

January 02, 1999

-----PRODUCT IDENTIFICATION-----
Trade Name: Hess Pumice Products, Inc.
Generic Name: Pumice CAS NO: 1332-09-8
Chemical Name: Amorphous Aluminum Silica

Manufacturer: Hess Pumice Products, Inc. Web Site: www.hesspumice.com
Address: P.O. Box 209 Email: custserv@hesspumice.com
Malad Industrial Park Telephone: (208)766-4777
Malad, Idaho 83252 Emergency: (208)766-2655

-----PRODUCT INGREDIENTS-----

PUMICE: Pumice may contain free silica up to a maximum of .1% (Non-respirable

bulk material). Respirable pumice (PM10) contains less than .1% crystalline silica based on lab test conducted in EPA certified labs (available upon request).

Hazardous Components: Silica, Crystalline Quartz (respirable)

Specific Chemical Identity: Silicone Dioxide SiO₂ (CAS 14808-60-7)

Common Names: Silica, Crystalline Free Silica, Quartz,
Ground Silica, Silica Flour

OSHA PEL: Exposure to airborne crystalline silica shall not exceed an 8-hour time-weighted average limit as stated in 29 CFR 1910.1000 Table Z-1-A, Air Contaminants, specifically: Silica, Crystalline Quartz (respirable Dust) 0.1 mg/M³

ACGIH TLV: Crystalline Quartz

TLV - TWA = 0.1 mg/M³ (respirable Dust)

See Threshold Limit Value and Biological Exposure Indices for
1991-1992 American Conference of Governmental Industrial Hygienists

Other Limits Recommended: National Institute for Occupational Safety and Health (NIOSH). Recommended standard maximum

permissible

concentration = 0.05 mg/M³ (respirable free silica) as

determined by a full-shift sample up to a 10-hour work day, 40-hour work week. See NIOSH Criteria for Recommended Standard Occupational Exposure to Crystalline Silica.

-----PHYSICAL DATA-----

Appearance and Odor: Fine Grained Particles or Powder, with no odor	
Boiling Point: NA	Evaporation Rate: NA
Vapor Pressure: NA	Specific Gravity: water-(1) 2.35
Water Solubility: Non Soluble	Melting Point: NA
Vapor Density: NA	% Volatile by Volume: None

-----FIRE AND EXPLOSION DATA-----

Flash Point (method): Nonflammable	NEPA Flammable/Combustible Liquid
Flammable Limits: NA	Classification: NA
Extinguishing Media: NA	Auto-ignition Temperature: NA
Special Fire-Fighting Procedures: None	

-----HEALTH HAZARDS SUMMARY RISKS-----

Summary: This product may contain low levels of crystalline silica which IARC classifies as probably carcinogenic to humans. However, there is no evidence to indicate that the trace amounts of crystalline silica present in this product have a carcinogenic effect. This product is considered a nuisance dust by the ACGIH and OSHA.

Medical conditions which may be aggravated: Pre-existing upper respiratory and lung disease such as, but not limited to Bronchitis, Emphysema and Asthma.

Target Organ(s): Lungs

Acute Health Effects: Transitory upper respiratory irritant.

Chronic Health Effects: Inhalation of high levels of any nuisance dust over long periods of time may make lungs more vulnerable to respiratory disease.

Primary Entry Route(s): Inhalation

-----HEALTH HAZARDS SIGNS/SYMPTOMS OF
EXPOSURE-----

Inhalation: Respiratory Irritation. In extreme exposures some congestion may occur.

Skin Contact: NA

Ingestion: Not hazardous when ingested.

Skin Absorption: NA
inflammation.

Eyes: Temporary irritation and

-----HEALTH HAZARDS FIRST AID/EMERGENCY PROCEDURES-----

Skin Contact: NA

Ingestion: NA

Skin Absorption: NA
if

Eyes: Flush eyes with copious amount of water,
irritation persists consult physician.

-----REACTIVITY DATA-----

Material is stable. Hazardous polymerization cannot occur.

Chemical Incompatibilities: Hydrofluoric Acid

Conditions to avoid: None in designed use.

Hazardous Decomposition Products: May react with hydrofluoric acid to form
toxic

silicon tetra-fluoride gas.

-----SPILL OR LEAK PROCEDURES-----

Procedures for spill/leak:

Vacuum clean spillage. If sweeping is necessary use
a dust suppressant.

Waste Management: Dispose of in accordance with all applicable federal, state,
and local regulations.

-----SPECIAL PROTECTION
INFORMATION-----

Goggles: Chemical safety goggles

Gloves: Not normally required.

Respirator: OSHA/NIOSH approved respirator for protection against nuisance
dust.

Ventilation: Local if necessary to maintain allowable PEL or TLV levels.

Special considerations for repair/maintenance of contaminated equipment:

Insure proper respiratory protection.

Other: NA

-----SPECIAL PRECAUTIONS-----

Storage segregation hazard classes: NA

Special handling/storage: Repair all broken bags immediately. Maintain good
housekeeping practices.

Special workplace engineering controls: Not normally required.

Other: NA

For Additional Information:

Contact: MSDS Coordinator - Univar USA

During business hours, Pacific Time - (425) 889-3400

NOTICE

Univar USA, expressly disclaims all express or implied warranties of merchantability and fitness

for a particular purpose, with respect to the product or information provided herein under no circumstances be liable for incidental or consequential damages.

Do not use ingredient information and/or ingredient percentages in this MSDS as a product specification. For product specification information refer to a Product Specification

Certificate of Analysis. These can be obtained from your local Univar USA Sales Office.

All information appearing herein is based upon data obtained from the manufacturer and recognized technical sources. While the information is believed to be accurate, Univar USA

makes no representations as to its accuracy or sufficiency. Conditions of use are beyond Univar

USA's control and therefore users are responsible to verify this data under their own conditions to determine whether the product is suitable for their particular purpose. Users assume all risks of their use, handling, and disposal of the product, or from the purchase of, or reliance upon, information contained herein. This information relates only to the product designated herein, and does not relate to its use in combination with any other material or other process.

END OF MSDS