

Safety Data Sheet US Department of Labor

May be used to comply with Occupational Safety and Health Administration.

OSHA's Hazardous Communication Standard (GHS Format) 29 CFR 1910.1200.

If any item is not applicable, or information is not available, the space must be marked to indicate this.

Section I: Identification

a) **Product Name:** 4 Seasons™ Pourable Pothole Filler



b) **PAVEMENT REPAIR FILLER**

c) A 2 part, water based, liquid rubberized filler used to fill cracks, potholes, and irregularities in asphalt and concrete pavements.

d,e) **Manufacturer's Name:** 4Seasons Pavement Repair Products, Inc (formerly IMG, Inc)

Address: 3301 S Green St Shelby, MI 49455

Emergency Phone: (231) 861-7126

Information Phone: (231) 861-7126

Name of Preparer: Steven Arnold

Date: 1/1/2023

Product Code: PART A – LIQUID ASPHALT EMULSION BLEND

Section II: Hazards Identification /SARA III Information

a) This product is classified as NON-HAZARDOUS. All ingredients herein are proprietary as written out in 49 CFR RULES for such products. b,c,d) N/A

Section III: Composition/Information on Ingredients

Not Applicable: This product is classified as NON-HAZARDOUS. All ingredients herein are proprietary as written out in 49 CFR RULES for such products.

Section IV: First Aid Measures

a) **Emergency and First Aid Procedures:**

INHALATION: Move person to fresh air and consult a physician.

EYES: Flush with plenty of water for at least 15 minutes and call a physician.

INGESTION: Induce vomiting and call a physician.

SKIN: Soap and water or hand cleaner.

4b) **Health Hazards (Acute and Chronic):**

INHALATION: Irritation, nausea, dizziness, headache

SKIN: Irritation, prolonged exposure can cause dermatitis

INGESTION: Stomach irritation, nausea, vomiting

Medical Conditions Aggravated by Exposure: None Known

4c) **Signs and Symptoms of Exposure:**

Irritation, nausea, dizziness, headache, vomiting, dermatitis

Carcinogenicity:

NTP: NONE

IARC Monographs: NONE

OSHA Regulated: NONE

Section V: Fire and Explosion Hazard Data

Flash Point: COMPOUND IS A WATER BASED MIXTURE

Extinguishing Media: DRY CHEMICAL, WATER FOGGER, CO₂ FOAM

Unusual Fire and Explosion Hazards: If the water is removed, the semi-solid residue will burn, but not support combustion.

Section VI: Accidental Release Measures

a) **Protective Gloves:** For ease in personal hygiene after handling.

Eye Protection: Use goggles to prevent eye irritation.

Other Protective Clothing: To keep from splashing on clothing.

Ventilation:

Local Exhaust: N/A

Mechanical: N/A

Special: N/A

b) Dike or contain spill with earth, sand, etc. Place absorbed material in containers for disposal. Recovered uncontaminated liquid may be combined with aggregates and used for road patching and maintenance. Other wastes should be disposed of according to prevailing regulations.

Section VII: Handling and Storage

a,b) Wear disposable gloves and protective eyewear, due to possible splashing. Do not freeze, store above 40°F/4°C. not exceeding 100°F/38°C. Do not contaminate with other compounds. Store in a closed container.

Section IX: Physical/Chemical Characteristics

Appearance and Odor: CHOCOLATE BROWN, SWEETISH, VERY SLIGHT ODOR

PH: 12.5

Boiling Range: 313° to 572° F

Vapor Pressure: 23.7 mm Hg

Vapor Density (Air=1): 0.62

Evaporation Rate: WATER ONLY

Specific Gravity (H₂O=1): 1.02

Melting Point: N/A

Freezing point: 32°F/0°C

Flammability: Liquid state non-flammable; solid will not sustain flame

Solubility in Water: COMPOUND IS A WATER BASED MIXTURE

Section X: Stability and Reactivity

Stability: STABLE

Incompatibility: NONE KNOWN

Hazardous Decomposition or Byproducts: NONE KNOWN

Hazardous Polymerization: WILL NOT OCCUR

Section XI: Toxicological Information

Carcinogenicity:

NTP: NONE

IARC Monographs: NONE

OSHA Regulated: NONE

Routes of Entry: Inhalation, Skin, Ingestion

Health Hazards:

INHALATION: Irritation, nausea, dizziness, headache. Only in enclosed, unventilated area. Outdoors: N/A

SKIN: Irritation, prolonged exposure can cause dermatitis

INGESTION: Stomach irritation, nausea, vomiting

Section XII: Ecological Information

N/A

Section XIII: Disposal Considerations

Recovered materials may be combined with aggregates and used for road patching and maintenance. Material may be solidified with sand, aggregate, cat litter. Solidified wastes should be disposed of in landfill according to prevailing regulations.

Section XIV: Transportation Information

Liquid is classified Non-Hazardous, Non-flammable by the US DOT and REACH and is not regulated by the Transportation of Dangerous Goods (TDG) when shipped by any mode of transport including air and sea.

Section XV: Regulatory Information

N/A

Section XVI: Other Information

Revised December 20, 2020

Section XVII: Disclaimer

Disclaimer:

The information contained herein is based on data considered accurate. However, no warranty is expressed or implied regarding accuracy of these data or the results to be obtained from the use thereof. The Manufacturer assumes no responsibility for personal injury or property damage to vendees, users or third parties caused by this material.

Section I: Identification

a) **Product Name:** 4 Seasons™ Pourable Pothole Filler



a) PAVEMENT REPAIR FILLER

c) A 2 part, water based, liquid rubberized filler used to fill cracks, potholes, and irregularities in asphalt and concrete pavements.

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b) PART B, C – AGGREGATE, ACTIVATOR

Section II: Hazards Identification /SARA III Information

a) **Classification of the substance or mixture:**

Product may contain minor amounts of crystalline silica, a naturally occurring part of PUMICE. Crystalline silica dust is classified as Hazardous. Dust in/on product or generated by stirring or shaking may form crystalline silica of respirable size that is small enough to be inhaled into lungs.

b) **GHS Label elements, including precautionary statements:**

May be harmful if swallowed and enters airways.

c) **Hazards not otherwise classified (HNOC) or not covered by GHS:**

None

d) N/A

Section III: Composition/Information on Ingredients

a,b,c)

PUMICE (volcanic glass) CAS # 1332-09-8 (Amphorous Aluminum Silicate-Al2O3)

GYP SUM CAS #7778-18-9

PROPRIETARY BLEND FILLER *Non- hazardous, non flammable, proprietary as written in 49CFR Rules for such products.

Section IV: First Aid Measures

a) **EMERGENCY & FIRST AID PROCEDURES:**

Eyes: Flush with running water. Contact physician if irritation persists.

Inhalation: Move to fresh air. Contact physician if difficulty in breathing.

Skin: Wash with soap and water. Contact physician if irritation persists

b) **Signs & Symptoms of Exposure:** Irritated eyes from dust, difficulty breathing, irritated skin

Health Hazards (Acute):

Inhalation: Nuisance dust

Skin: Irritation, prolonged exposure while hardening can cause heat build up and mild burns

Eyes: May cause irritation.

Ingestion: Stomach irritation, nausea, vomiting. May cause blockage

Chronic: None

Carcinogenicity: NTP: NONE

IARC Monographs: NONE

OSHA Regulated: NONE

c) **Medical Conditions Aggravated by Exposure:** Respiratory system, irritated eyes or open wounds.

Section V: Fire and Explosion Hazard Data

a) **Extinguishing Media:** NOT COMBUSTABLE

Use water spray, or alcohol-resistant form, dry chemical or carbon dioxide.

b) **Flash Point:** NONE **Unusual fire and explosion hazards:** NONE

c) Wear self contained breathing apparatus for fighting fire if necessary, avoid breathing dust.

Section VI: Accidental Release Measures

a) Avoid creating excessive dust. Wear suitable dust mask during clean up. Slurry may plug drains.

b) Sweep or vacuum up all spillage and place in suitable container for disposal. Waste can be reused if clean and dry, otherwise dispose of in suitable container according to regulations.

Section VII: Handling and Storage

a) Avoid formation of dust. Provide appropriated exhaust ventilation at places where dust is formed.

b) Dew point conditions or other conditions causing presence of liquid/water during storage will cause gypsum to harden. No incompatibilities.

Section VIII: Exposure Controls/ Personal Protection

a)

COMPONENTS	Occupational Exposure Limits						
	CAS NO.	OSHA PEL	ACGH TLV	OTHER mmHGO	TEMP	PERCENT	
PUMICE (volcanic glass) (Amphorous Aluminum Silicate-Al2O3)	1332-09-8	15mg/m3	10mg/m3	N/A	N/A	N/A*	
GYPSUM	7778-18-9	15mg/m3	10mg/m3	N/A	N/A	N/A*	
PROPRIETARY BLEND FILLER *	N/A	N/A	10mg/m3	N/A	N/A	N/A*	

*Non- hazardous, non flammable, proprietary as written in 49CFR Rules for such products.

HAZARDOUS COMPONENTS	Occupational Exposure Limits					
	CAS NO.	OSHA PEL	ACGH TLV	OTHER mmHGO	TEMP	PERCENT
CRYSTALLINE SILICA (Quartz SiO2) (occurs naturally in PUMICE)	14808-60-7	10SiO2 2 respirable	0.025 respirable	0.05 respirable		<1%

HMIS (hazardous Materials Identification System Ratings-NPCA/CPCA)
Based on hazard rating of 4=Most Severe

*Health 0 *Flammability 0 *Reactivity 0



b) Handle in accordance with good personal hygiene and safety practices. Wash hands before breaks and end of workday. Pumice is odorless, white/gray/tan granular aggregate. Contact can cause irritation to eyes, skin, respiratory system and gastrointestinal tract.

c) Eyes: Contact can cause irritation to eyes. Wear safety goggles in enclosed environment.

Skin: Contact can cause mild irritation or drying of skin. Wear gloves if irritation occurs.

Ingestion: Can cause mild irritation of gastrointestinal tract if swallowed.

Inhalation: This product can cause mild irritation of the respiratory system. Wear suitable dust mask if handling in enclosed area.

Section IX: Physical/Chemical Characteristics

Boiling Range: N/A

Vapor Pressure: N/A

Vapor Density (Air=1): N/A

Solubility in Water: 0.2%

Appearance : Off-white, tan, grey, black granule

Flash Point: N/A

PH: 8-10

Solubility: Insoluble

Specific Gravity (H2O=1): 2.7

Melting Point: (decomposes) 1450° C

Evaporation Rate: N/A

Harding Time: 15-20 minutes

Odor: Low, earthy

Flammability: N/A

Relative Density: 2.4g/cc

Section X: Reactivity Data

Stability: STABLE

Reactivity: Non-reactive

Hazardous Decomposition or byproducts: Above 1450°C- SO2 and CaO

Hazardous Polymerization: Will not occur

Conditions to Avoid: Avoid contact with HYDROFLUORIC ACID

Incompatibility: Strong acid, strong bases,
Hydrogen fluoride

Section XI: Toxicological Information

a,b,c) Acute Toxicity: No data available

Inhalation: Trace amounts of respirable crystalline silica may cause cancer, Cal. Prop. 65

Dermal: No data available

Skin corrosion/irritation: Not corrosion, possible mild irritation

Serious eye damage/irritation: Avoid dust (nuisance)

Respiratory or skin sensitization: No data available

Germ Cell mutagenicity: No data available

Rat: An LD50 of 6450mg/kg (rat oral) has been identified for this product. Pumice is not listed by MSHA, OSHA, or IARC as a carcinogen, but this product may contain crystalline silica which has been classified by IARC as a carcinogenic to humans when inhaled in the form of quartz or cristobalite.

Reproductive toxicity: No data available

Specific target organ toxicity-single exposure: No data available

Specific target organ toxicity- repeated exposure: No data available

Aspiration hazard: No data available

Section XII: Ecological Information

a-e) N/A

Section XIII: Disposal Considerations

Measures should be taken to prevent dust generation during disposal. Dispose as non-toxic waste in an approved landfill in accordance with all federal, state, and local regulations.

Section XIV: Transportation Information

a-f) N/A

g) Pumice and proprietary blend of aggregate, activator is not classified as a hazardous material by US DOT or REACH and is not regulated by the Transportation of Dangerous Goods (TDG) when shipped by any mode of transport.

Section XV: Regulatory Information

N/A

Section XVI: Other Information

Revised December 20, 2020.

Section XVII: Disclaimer

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