



Permasil Safety Data Sheet

Date of issue: 5/2015

Supersedes: 05/2012

Version: 1.0

Page 1 of 5

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

Product Form: Mixture

Product Name: US SPEC Permasil

Synonyms: None

Product Uses: Concrete Chemical Hardener and Dustproofers

Manufacturer: US MIX Co.
112 South Santa Fe Drive
Denver, CO 80223
Telephone: 303-778-7227
Fax: 303-722-8426

Emergency Contact: CHEMTREC 800-424-9300

SECTION 2: HAZARDS IDENTIFICATION

GHS-US classification

Acute Toxicity - 4 (Oral)

Acute Toxicity - 4 (Inhalation)

Eye damage/irritation - 1

Skin corrosion/irritation - 1

GHS-US labeling

Hazard Pictograms (GHS-US):



Signal Word (GHS-US):

Warning

Hazard Statements (GHS-US):

May cause serious eye damage/irritation. Harmful if inhaled. Harmful if swallowed.

Precautionary Statements (GHS-US):

Wear protective gloves and eye/face protection. Wash with plenty of water and soap thoroughly after handling. Avoid inhalation of vapors. Do not eat, drink or smoke when using this product. Use only outdoors or in a well ventilated area. Keep out of reach of children. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Call a POISON CENTER or doctor/physician. IF SWALLOWED: Contact a Poison Control Center or doctor if you feel unwell. Rinse mouth. IF ON SKIN: Wash with plenty of soap and water. If skin irritation or rash occurs, get medical advice. Take off contaminated clothing and wash it before reuse. Store in well ventilated place. Keep container tightly closed. Store locked up. Dispose of contents/container in accordance with local, regional, national and international regulations.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

INGREDIENT	CAS No.	PERCENT
Sodium Silicate	1344-09-8	20-40

The exact percentage (concentration) of composition has been withheld as a trade secret in accordance with paragraph (i) of §1910.1200.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**APPEARANCE:** Cloudy White Liquid**ODOR:** Mild**BOILING POINT:** 212°F (100°C)**FREEZING / MELTING POINT:** 32°F (0°C)**VAPOR PRESSURE (MM HG):** 17@ 68°F Water**EVAPORATION (BUTYL ACETATE = 1):** <1**VAPOR DENSITY (AIR = 1):** <1 Water**WATER SOLUBILITY:** Soluble**SPECIFIC GRAVITY (H2O=1):** 1.01**OTHER SOLUBILITIES:** None Known**pH:** N/A**VOC CONTENT:** 0 g/l**SECTION 10: STABILITY AND REACTIVITY****STABILITY:** Stable**CONDITIONS TO AVOID:** Protect from freezing**INCOMPATIBILITY (MATERIALS TO AVOID):** NA**HAZARDOUS DECOMPOSITION (BYPRODUCTS):** NA**HAZARDOUS POLYMERIZATION:** Will not occur**SECTION 11: TOXICOLOGICAL INFORMATION****ROUTES OF ENTRY**

Inhalation? Yes Skin? Yes Ingestion? No (not under normal conditions of use) Eyes? Yes

HEALTH HAZARDS

SODIUM SILICATE 1344-09-8	
LD50 (Oral)	1,100-1,600 mg/kg (rat); 1,100 mg/kg (mouse)

INHALATION: Breathing mist can cause irritation of nasal and respiratory passages**SKIN CONTACT:** May cause irritation**INGESTION:** May cause gastrointestinal irritation, nausea, vomiting and diarrhea**EYE CONTACT:** May cause irritation, redness, tearing and blurred vision. Risk for serious damage to eyes.**GERM CELL MUTAGENICITY:** Based on available data, the classification criteria are not met.**CARCINOGENICITY:** Based on available data, the classification criteria are not met**REPRODUCTIVE TOXICITY:** Based on available data, the classification criteria are not met.**SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE):** May cause respiratory irritation.**SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE):****ASPIRATION HAZARD:** Based on available data, the classification criteria are not met.**SYMPTOMS/INJURIES AFTER INHALATION:** May cause respiratory tract irritation.**SYMPTOMS/INJURIES AFTER SKIN CONTACT:** May cause skin irritation.**SYMPTOMS/INJURIES AFTER EYE CONTACT:** May cause eye damage/irritation.**SYMPTOMS/INJURIES AFTER INGESTION:** Harmful if swallowed. May cause stomach distress, nausea or vomiting.**OTHER INFORMATION:** Likely routes of exposure: inhalation, skin and eye.

Permasil

Safety Data Sheet

Date of issue: 5/2015 Supersedes: 05/2012 Version: 1.0

Page 4 of 5

SECTION 12: ECOLOGICAL INFORMATION

Toxicity

Not determined

Persistence and degradability

Not determined

Elimination information

Not determined

Bioaccumulative potential

Not determined

Mobility in soil

Not determined

Other adverse effects

Not determined

SECTION 13: DISPOSAL CONSIDERATIONS

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

SECTION 14: TRANSPORT INFORMATION

DOT Transportation Data (49 CFR 172.101):

Shipping Name:	Not a Regulated Material
Hazard Class:	Non-Hazardous
ID No.:	NA
Packing Group:	NA
Label:	NA
Limited Quantity Exceptions:	NA
US Domestic Ground Shipments:	NA
Maritime Transport:	NA
Air Transport:	NA
Placards:	NA
National Motor Freight NMF-100-0:	Concrete Curing Compound
	Item: 33980
	Class: 55

SECTION 15: REGULATORY INFORMATION

OSHA STATUS: Irritant

SARA TITLE III: Section 312 Extremely Hazardous Substances: None
Section 311/312 Hazard Categories: Acute Health Hazard
Section 313 Toxic Chemicals: None Known

RCRA STATUS: If discarded in its purchased form, this product would not be a hazardous waste either by listing or by characteristic. However, under RCRA, it is the responsibility of the product user to determine at the time of disposal, whether a material containing the product derived from the product should be classified as a hazardous waste.

CALIFORNIA PROPOSITION 65: The chemical(s) noted below are contained in this product and are known to the state of California to cause cancer, birth defects or other reproductive harm:

None Known

SECTION 16: OTHER INFORMATION

DATA SOURCES: SDS prepared by US MIX Co. pursuant to the Hazard Communication Standard (CFR29 1910.1200) HazCom 2012
SDS REVISION DATE: 5/7/2015
HMIS: Health 1; Flammability 0; Reactivity; 0

Comments: This Safety Data Sheet and the information it contains are offered to you in good faith as accurate. We have reviewed any information contained in this datasheet, which we received from sources outside our company. We believe that information to be correct, but cannot guarantee its accuracy or completeness. Health and safety precautions in this data sheet may not be adequate for all individuals and/or situations. It is the user's obligation to evaluate and use this product safely and to comply with all applicable laws and regulations. No statement made in this data sheet shall be construed as a permission or recommendation for the use of this product in a manner that might infringe existing patents. No warranty is made, either expressed or implied.