



Concrete Refinement Products

1. PRODUCT IDENTIFICATION

PRODUCT NAME	Dense Seal
IDENTIFICATION NUMBER	
PRODUCT USE/CLASS	Penetrating Concrete Sealer
CAS NUMBER	Mixture
SUPPLIER	Delosh 2289 Cornell Ave Montgomery, IL 60538
Emergency Telephone:	1-800-535-5053 (INFOTRAC)

2. HAZARD IDENTIFICATION

EMERGENCY OVERVIEW

Product Description:
Health Hazards:

This product is a milky white liquid.
Exposure to this product may cause irritation to eyes.
Prolonged contact may cause skin irritation. Exposure to mists may cause respiratory tract irritation. May be harmful if swallowed.

Flammability Hazards:
Reactivity Hazards:
Environmental Hazards:

This product is a non-flammable with flash point greater than 200 °F.
None known
The Environmental effects of this product have not been investigated. Release of this product is not expected to have significant adverse effects in the aquatic environment.



US DOT SYMBOLS
Non-Regulated Material

CANADA (WHMIS) SYMBOLS
"Not Controlled"

EUROPEAN and
(GHS) Hazard Symbols

CLASSIFICATION OF SUBSTANCE
OR MIXTURE IN ACCORDANCE
WITH 29 CFR 1200 (OSHA HCS)
AND THE EUROPEAN
UNION DIRECTIVES

This product does meet the definition of a hazardous substance or preparation as defined by 29 CFR 1910.1200 AND the European Union Council Directives 67/548/EEC, 1999/45/EC, 1272/2008/EC and subsequent Directives.

EU HAZARD CLASSIFICATION OF INGREDIENTS PER DIRECTIVE 1272/2008/EC

Index Number:

EC# 231-791-2 This substance is not classified in the Annex VI of Directive 67/548/EEC Proprietary Ingredient is not listed in ESIS

CAS# 68131-40-8 is not listed in ESIS

Substances not listed either individually or in group entries must be self classified.

Component(s) Contributing
to Classification(s)

All Components

LABEL ELEMENTS

GHS Hazard Classification(s):

Skin Irritant Category 2
Eye Irritant Category 2A
STOT SE Category 3
Acute Oral Toxicity Category 4

Hazard Statement(s)

H315: Causes skin irritation
H319: Causes serious eye irritation
H335: May cause respiratory irritation
H302: May be harmful if swallowed

Precautionary Statement(s)	P261: Avoid breathing fume/mist/vapors/spray P264: Wash skin after handling P281: Use personal protective equipment as required
EU HAZARD CLASSIFICATION OF INGREDIENTS PER DIRECTIVE 1999/45/EC	[C] Corrosive, [Xi] Irritant
Risk Phrases:	R22: Harmful if swallowed R36/37/38: Irritating to eyes, respiratory system and skin
Safety Phrases:	S24/25: Avoid contact with skin and eyes S45: In case of accident or if you feel unwell, seek medical attention immediately
HEALTH HAZARDS OR RISKS FROM EXPOSURE	
SYMPTOMS OF OVEREXPOSURE BY ROUTE OF EXPOSURE	The most significant routes of exposure for this product are by inhalation, skin contact, eye contact or ingestion.
ACUTE	
Inhalation:	Inhalation of mists may be irritating to the respiratory tract.
Contact with skin:	Repeated or prolonged contact may cause skin irritation.
Eye Contact:	Contact may irritate the eyes, resulting in redness or watering.
Ingestion:	Ingestion may cause gastrointestinal irritation with nausea and diarrhea.
Chronic:	None known
TARGET ORGANS: Acute:	Eyes, Skin, Respiratory System Chronic: None Known

3. COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous Ingredients	WT%	CAS#	EINECS #	Hazard	Risk
Water	75 - 95%	7732-18-5	231-791-2	None	None
Silicic Acid, Potassium Salt	20-40%	63148-62-9	203-492-7	[Xi] Irritant	R36/37/38
Surfactant Blend	1 - 5%	Mixture	Mixture	[Xn] Harmful, [Xi] Irritant	R22, R36/38
Balance of other ingredients is less than 1% in concentration (or 0.1% for carcinogens, reproductive toxins, or respiratory sensitizers).					

NOTE: ALL WHMIS required information is included in appropriate sections based on the ANSI Z400.1-2010 format. This product has been classified in accordance with the hazard criteria of the CPR and the MSDS contains all the information required by the CPR, EU Directives and the Japanese Industrial Standard JIS Z 7250: 2000.

4. FIRST AID MEASURES

First aid measures

Eye:

If product enters the eyes, open eyes while under gentle running water for at least 15 minutes. Seek medical attention if irritation persists.

Skin:

If product contacts skin, wash skin thoroughly with soap and water after handling. Seek medical attention if irritation develops and persists.

Inhalation:

If breathing becomes difficult, remove victim to fresh air. If necessary, use artificial respiration to support vital functions. Seek medical attention.

Ingestion:

If product is swallowed, call physician or poison control center for most current information. If professional advice is not available, do not induce vomiting. Never induce vomiting or give diluents (milk or water) to someone who is unconscious, having convulsions, or who cannot swallow. Seek medical advice. Take a copy of the label and/or SDS with the victim to the health professional.

SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED

Exposure to this product may cause irritation to skin and eyes. Inhalation of fumes/vapors may cause irritation to respiratory system. May be harmful if swallowed with digestive tract irritation, diarrhea and vomiting.

RECOMMENDATIONS TO PHYSICIANS

Treat symptoms and eliminate overexposure.

5. FIRE FIGHTING MEASURES

FIRE EXTINGUISHING MATERIALS

Use fire extinguishing methods below:

Water Spray:	No
Foam:	Yes
Halon:	Yes
Carbon Dioxide:	Yes
Dry Chemical:	Yes
Other:	Any "C" Class

UNUSUAL FIRE AND EXPLOSION HAZARDS

Emits toxic fumes under fire conditions.

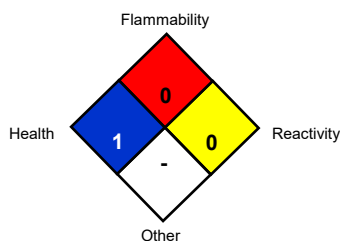
Explosion Sensitivity to Mechanical Impact: No

Explosion Sensitivity to Static Discharge: No

SPECIAL FIRE-FIGHTING PROCEDURES

Incipient fire responders should wear eye protection. Structural firefighters must wear Self-Contained Breathing Apparatus and full protective equipment. Isolate materials not yet involved in the fire and protect personnel. Move containers from fire area if this can be done without risk; otherwise, cool with carefully applied water spray. If possible, prevent runoff water from entering storm drains, bodies of water, or other environmentally sensitive areas.

NFPA RATING SYSTEM



HMIS RATING SYSTEM

HAZARDOUS MATERIAL IDENTIFICATION SYSTEM			
HEALTH HAZARD (BLUE)			1
FLAMMABILITY HAZARD (RED)			0
PHYSICAL HAZARD (YELLOW)			0
PROTECTIVE EQUIPMENT			
EYES	RESPIRATORY	HANDS	BODY
	See Sect 8		See Sect 8
For Routine Industrial Use and Handling Applications			

Hazard Scale 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe * = Chronic Hazard

6. ACCIDENTAL RELEASE MEASURES

Personal precautions,
protective equipment and
emergency procedures

See section 8.2 for Exposure Controls.

ENVIRONMENTAL PRECAUTIONS

Construct a dike to prevent spreading. Keep out of sewers, storm drains, surface waters, and soils

SPILL AND LEAK RESPONSE

Soak up with absorbent material such as clay, sand or other suitable non-reactive material. Place in leak-proof containers. Seal tightly for proper disposal. Dispose of in accordance with U.S. Federal, State, and local hazardous waste disposal regulations and those of Canada and its Provinces, those of Australia, Japan and EU Member States (see Section 13, Disposal Considerations).

7. HANDLING AND STORAGE

Precautions for safe handling

To prevent skin and eye contact under the foreseeable conditions of use, wear appropriate protective clothing and safety eyewear. When handling do not eat, drink, or smoke. Wash thoroughly after handling. Avoid breathing fumes. Handle in a well-ventilated work area.

STORAGE AND HANDLING PRACTICES

Keep in cool, dry, well-ventilated area in closed containers. Protect containers from physical damage.

SPECIFIC USES

Mineral residue remover

8. EXPOSURE CONTROLS & PERSONAL PROTECTION

EXPOSURE parameters			
Chemical Name	CAS#	ACGIH TLV	OSHA TWA
Water	7732-18-5	Not Listed	Not Listed
Silicic Acid, Lithium Salt	10102-24-6	Not Listed	Not Listed
Surfactant	Mixture	Not Listed	Not Listed

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE (Physical State)
and COLOR:

ODOR:

ODOR THRESHOLD:

pH:

MELTING/FREEZING POINT:

BOILING POINT:

FLASH POINT:

EVAPORATION RATE (n-BuAc=1):

FLAMMABILITY (SOLID, GAS):

UPPER/LOWER FLAMMABILITY

OR EXPLOSION LIMITS:

VAPOR PRESSURE (mm Hg @ 20°C (68°F):

VAPOR DENSITY:

RELATIVE DENSITY:

DENSITY:

SPECIFIC GRAVITY:

SOLUBILITY IN WATER:

WEIGHT PER GALLON:

PARTITION COEFFICIENT

(n-octanol/water):

AUTO-IGNITION TEMPERATURE:

DECOMPOSITION TEMPERATURE:

VISCOSITY:

OTHER INFORMATION:

This product is a hazy liquid with a characteristic odor.

Characteristic

Not Available

11.5

32 °F

212 °F

>200°F

Not Available

Not Applicable

Not Applicable

Not Applicable

Not Applicable

Not Applicable

1.045

Soluble

Not Available

Not Applicable

Not Applicable

Not Available

Not Available

No additional information.

10. STABILITY AND REACTIVITY

Reactivity	This product is not reactive.
Stability	Stable under normal storage/use conditions
possibility of hazardous reactions	Will not occur
Conditions to avoid	None known
incompatible materials	None known
Hazardous decomposition products	Thermal decomposition products include carbon dioxide and carbon monoxide.

11. TOXICOLOGICAL INFORMATION

TOXICITY DATA	Not classified
SUSPECTED CANCER AGENT	None of the ingredients within this product are found on the following lists: FEDERAL OSHA Z LIST, NTP, IARC, or CAL/OSHA and therefore are not considered to be, or suspected to be, cancer-causing agents by these agencies.
IRRITANCY OF PRODUCT	This product may be irritating to skin, eyes or respiratory system. This product is not considered a respiratory system or skin sensitizer.
SENSITIZATION TO THE PRODUCT	
SPECIFIC TARGET ORGAN TOXICITY – SINGLE EXPOSURE	No information concerning the effects of this product and its components on the human reproductive system.
REPRODUCTIVE TOXICITY INFORMATION	Eyes, respiratory System and Skin
SPECIFIC TARGET ORGAN TOXICITY – REPEATED EXPOSURE	None known
ASPIRATION HAZARD	None

12. ECOLOGICAL INFORMATION

TOXICITY	No toxicity data available
Persistence and degradability	No specific data available on this product.
Bioaccumulative potential	No specific data available on this product.
Mobility in soil	No specific data available on this product.
RESULTS OF PBT ANDvPvB ASSESSMENT	No specific data available on this product.
Other adverse effects	No specific data available on this product. ALL WORK PRACTICES MUST BE AIMED AT ELIMINATING ENVIRONMENTAL CONTAMINATION.
WATER ENDANGERMENT CLASS	Water endangering in accordance with EU Guideline 91/155-EWG. Not determined

13. DISPOSAL CONSIDERATION

WASTE TREATMENT METHODS	Waste disposal must be in accordance with appropriate U.S. Federal, State, and local regulations, those of Canada, Australia, EU Member States and Japan.
EU Waste Code	Not determined

14. TRANSPORT INFORMATION

US DOT, IATA, IMO, ADR U.S. DEPARTMENT OF TRANSPORTATION (DOT) SHIPPING REGULATIONS:	This product is classified (per 49 CFR 172.101) by the U.S. Department of Transportation, as follows.
Proper Shipping Name:	Non-Regulated Material
Hazard Class Number and Description:	None
UN Identification Number:	None
Packing Group:	None
DOT LABEL(S) REQUIRED	None
NORTH AMERICAN EMERGENCY RESPONSE GUIDEBOOK NUMBER	None
RQ QUANTITY	None
MARINE POLLUTANT	None of the components of this product are designated by the Department of Transportation to be Marine Pollutants (49 CFR 172.101, Appendix B).
SPECIAL PRECAUTIONS FOR USER	Avoid exposure
INTERNATIONAL TRANSPORTION INTERNATIONAL AIR TRANSPORT ASSOCIATION SHIPPING INFORMATION (IATA):	This product is not considered as dangerous goods.
INTERNATIONAL MARITIME ORGANIZATION SHIPPING INFORMATION (IMO):	This product is not considered as dangerous goods.
TRANSPORT IN BULK ACCORDING TO ANNEX II OF MARPOL 73/78 AND IBC CODE	This product is not considered by the United Nations Economic Commission for Europe to be dangerous goods.

15. REGULATORY INFORMATION

UNITED STATES REGULATIONS

U.S. SARA REPORTING REQUIREMENTS:	The components of this product are not subject to the reporting requirements of Sections 302, 304, and 313 of Title III of the Superfund Amendments and Reauthorization Act.
U.S. SARA THRESHOLD PLANNING QUANTITY:	There are no specific Threshold Planning Quantities for the components of this product. The default Federal MSDS submission and inventory requirement filing threshold of 10,000 lbs (4,540 kg) therefore applies, per 40 CFR 370.20.
U.S. CERCLA REPORTABLE QUANTITY (RQ):	None
U.S. TSCA INVENTORY STATUS:	The components of this product are listed on the TSCA Inventory or are exempted from listing.
OTHER U.S. FEDERAL REGULATIONS:	None
CALIFORNIA SAFE DRINKING WATER AND TOXIC ENFORCEMENT ACT (PROPOSITION 65):	Ingredients within this product are not on the Proposition 65 Lists.

CANADIAN REGULATIONS

CANADIAN DSL/NDSL INVENTORY STATUS:	The components of this product are on the DSL Inventory, or are exempted from listing.
OTHER CANADIAN REGULATIONS:	Not applicable.
CANADIAN ENVIRONMENTAL PROTECTION ACT (CEPA) PRIORITIES SUBSTANCES LISTS:	This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all of the information required by those regulations.
CANADIAN WHMIS CLASSIFICATION and SYMBOLS:	This product is "Not Controlled:", per WHMIS Controlled Product Regulations.

16. OTHER INFORMATION

Disclaimer

This safety data sheet (SDS) was prepared in accordance with the 29 CFR 1910.1200. The information contained herein is based upon data available to us and reflects our best professional judgement. However, no warranty is expressed or implied regarding the accuracy of such information or the results obtained from the use thereof. We assume no legal responsibility whatsoever for any damage resulting from reliance upon this information since it is being furnished upon the condition that the person receiving it shall make his or her own determination of the suitability of the material described herein for a particular application, storage, or disposal situation.