Section 1: Product & Company Information

Product Identifier: Diamabrush Lithium Densifier

Other Means of Identification
Product Number: No data available.

Recommended Use and Restrictions on Use
Recommended Use: Concrete densifier.
Restrictions on Use: Not known.

Manufacturer / Importer / Supplier / Distributor Information
Company Name: The Malish Corporation
Address: 4260 Hamann Parkway
Willoughby, OH 44094
USA

Information Telephone Number: 1-440-951-5356 / 1-800-321-7044 tool-free
Fax Number: 1-440-951-0293
Website: www.malish.com
Contact Person: Regulatory Manager
E-mail: info@malish.com.

Emergency Phone Number: Chemtrec 1-800-424-9300 / Outside USA 1-703-527-3887 (monitored 24 hours/day)

Section 2: Hazards Identification

GHS Hazard Classification(s)

Physical Hazard(s)
Not classified.

Health Hazard(s)
Corrosion/Irritation, Skin - 2
(Corrosion/Damage/Irritation, Eye - 1

Environmental Hazard(s)
Not classified.

Label Elements
Signal Word
DANGER

Hazard Symbol(s)

Hazard Statement(s)
H315: Causes skin irritation.
H318: Causes serious eye damage.

Precautionary Statements
General
Not applicable.

Prevention
P264: Wash face, hands and any exposed skin thoroughly after handling.
P280: Wear protective gloves/protective clothing/eye protection/face protection.

Response
P302 + P352: IF ON SKIN: Wash with plenty of soap and water.
P305 + P351 + P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310: Immediately call a POISON CENTER or doctor/physician.
P332: Specific treatment (see supplemental first aid instructions on this label).
P333 + P313: If skin irritation occurs: Get medical advice/attention.
P362: Take off contaminated clothing and wash before reuse.

Storage
Not applicable.

Disposal
Not applicable.
Not applicable.

Hazard(s) not otherwise classified (HNOC)
None known.

Section 3: Composition/Information on Ingredients

<table>
<thead>
<tr>
<th>Mixture</th>
<th>Chemical Identity¹</th>
<th>Common Name/Synonym(s)</th>
<th>CAS # ²</th>
<th>Weight %</th>
<th>Impurity or Stabilizing Additive</th>
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<tbody>
<tr>
<td>Sodium Silicate</td>
<td>-</td>
<td>-</td>
<td>134409-8</td>
<td>1</td>
<td>No</td>
</tr>
<tr>
<td>Silicate Acid, Lithium Salt</td>
<td>-</td>
<td>-</td>
<td>12627-14-4</td>
<td>1</td>
<td>No</td>
</tr>
</tbody>
</table>

1. Information regarding the composition and the percent ranges of the mixtures ingredients are not presented as it Confidential Business Information (CBI). Where a medical emergency exists (as determined by medical professional), timely disclosure of CBI is assured. The information omitted pertains to only the names of the substances and the concentration in the mixture (product) and can only be requested by a doctor/physician or Local/State/Provincial or Federal Authority.  
2. Non-hazardous ingredients are not presented to protect the proprietary formula of the product.  
3. '—' Indicates ingredient is a mixture and contain multiple ingredients or may have no identifying CAS number.

Section 4: First-Aid Measures

General Information
Get medical advice/attention if you feel unwell. Show this safety data sheet to the doctor in attendance.

Inhalation
Move to fresh air. Get medical attention if symptoms occur.

Skin Contact
Wash skin thoroughly with soap and water. Get medical attention if irritation persists after washing. Wash contaminated clothing before reuse.

Eye Contact
Immediately flush with plenty of water for at least 15 minutes. If easy to do, remove contact lenses. Call a physician or poison control center immediately. In case of irritation from airborne exposure, move to fresh air.

Ingestion
Rinse mouth. Call a poison control center or doctor/physician if you feel unwell.

Most important symptoms/effects, acute and delayed
Symptoms
Harmful if swallowed. Causes serious eye damage. Irritating to eyes, respiratory system and skin.

Indication of immediate medical attention and special treatment needed
Hazards
No data available.

Treatment
Treat symptomatically. Symptoms may be delayed.

Section 5: Fire-Fighting Measures

General Fire Hazards
No unusual fire or explosion hazards noted.

Suitable (and Unsuitable) Extinguishing Media
Suitable Extinguishing Media
Use fire-extinguishing media appropriate for surrounding materials.

Unsuitable Extinguishing Media
None known.

Specific Hazards Arising from the Chemical
May burn, but does not ignite readily.

Special Protective Equipment and Precautions for Firefighters
Special Fire-Fighting Equipment Procedures
Move containers from fire area if you can do so without risk. Use water spray to keep fire-exposed containers cool. Cool containers exposed to flames with water until well after the fire is out.

Special Protective Equipment for Fire-Fighters
As in any fire, wear self-contained breathing apparatus pressure-demand (OSHA/NIOSH approved or equivalent) and full protective gear.

Section 6: Accidental Release Measures

Personal Precautions, Protective Equipment and Emergency Procedures
Evacuate spill area. Isolate hazard area and deny entry to unnecessary or unprotected personnel. Stay upwind and keep out of flow area. Remove all possible sources of ignition in the surrounding area. Wear appropriate personal protective equipment. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. See Section 8 of the SDS for Personal Protective Equipment. Ventilate contaminated area thoroughly shut off leaks if possible without personal risk.
Methods and Materials for Containment and Clean-Up
Small Spills: Absorb spill with vermiculite or other inert material. Clean surface thoroughly to remove residual contamination.

Notification Procedures
Prevent entry into waterways, sewer, basements or confined areas. Inform authorities if large amounts are involved.

Environmental Precautions
Do not contaminate water sources or sewer. Prevent further leakage or spillage if safe to do so. Avoid discharge into drains, water courses or onto the ground.

Section 7: Handling and Storage

Precautions for Safe Handling
Use personal protective equipment as required. Do not taste or swallow. Do not eat, drink or smoke when using the product. Do not get in eyes and avoid contact with skin and clothing. Avoid breathing mist. Wash hands thoroughly after handling. See Section 8 of the SDS for Personal Protective Equipment.

Conditions for Safe Storage, including any Incompatibilities
Keep away from food, drink and animal feeding stuffs. Keep container tightly closed. Store in cool, dry place. Store in a well-ventilated place.

Section 8: Exposure Controls/Personal Protection

Control Parameters
Occupational Exposure Limits
The product does not contain any relevant quantities of hazardous materials with critical values that have to be monitored in the workplace.

Biological Limit Values
The product does not contain any relevant quantities of hazardous materials with assigned biological limit values.

Appropriate Engineering Controls
No data available.

Individual protection measures, such as personal protective equipment (PPE)
General Information
Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. Eye wash facilities and emergency shower must be available when handling this product.

Eye/Face Protection
Wear safety glasses with side shields (or goggles) and a face shield. Wear a full-face respirator, if needed.

Skin Protection
Hand Protection
Wear appropriate chemical resistant gloves.
Other
Wear appropriate chemical resistant clothing.

Respiratory Protection
If engineering controls do not maintain airborne concentrations below recommended exposure limits (where applicable) or to an acceptable level (in countries where exposure limits have not been established), an approved respirator must be worn. Air-purifying respirator with an appropriate, government approved (where applicable), air-purifying filter, cartridge or canister. Contact health and safety professional or manufacturer for specific information.

Hygiene Measures
Provide eyewash station and safety shower. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

Section 9: Physical and Chemical Properties

Appearance:
Physical State: Liquid
Color: Colorless
Odor: Odorless
Odor Threshold: No data available.
PH: > 10 Aqueous solution
Melting Point/Freezing Point: No data available.
Initial Boiling Point and Boiling Range: 102 °C estimated
Flash Point: No data available.
Evaporation Rate (butyl acetate = 1): No data available.
Flammability (solid, gas): No data available.
Upper/Lower Limit on Flammability or Explosive Limits
Flammability Limit – Upper: No data available.
Flammability Limit – Lower: No data available.
Explosive Limit – Upper: No data available.
Explosive Limit – Lower: No data available.
Vapor Pressure: 2.4 kPa (20 °C) estimated
Vapor Density (air = 1): No data available.
Relative Density (water = 1): 1.10 – 1.12 (20 °C)
Section 10: Stability and Reactivity

Reactivity
No dangerous reaction known under conditions of normal use.

Chemical Stability
Material is stable under normal conditions.

Possibility of Hazardous Reactions
Hazardous polymerization does not occur.

Conditions to Avoid
Contact with incompatible materials.

Incompatible Materials

Hazardous Decomposition Products
Fire or excessive heat may produce hazardous decomposition products.

Section 11: Toxicological Information

Information on routes of exposure
Ingestion: Harmful if swallowed. May cause irritation of the gastrointestinal tract.
Inhalation: May cause irritation to the respiratory system.
Skin Contact: Causes skin irritation.
Eye Contact: Causes serious eye damage.

Information on Toxicological Effects
Acute Toxicity (List all possible routes of exposure)
Oral
No data available.
Dermal
No data available.
Inhalation
No data available.
Repeated Dose Toxicity
No data available.

Skin Corrosion/Irritation
Causes skin irritation.

Serious Eye Damage/Eye Irritation
Causes serious eye damage.

Respiratory/Skin Sensitization
Not a skin sensitizer.

Carcinogenicity
IARC Monograph on the Evaluation of Carcinogenic Risks to Humans
No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

US. National Toxicology Program (NTP) Report on Carcinogens
No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1052)
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.

Germ Cell Mutagenicity
In Vitro
No mutagenic components identified.
In Vivo
No mutagenic components identified.
Section 12: Ecological Information

Ecotoxicity
  Acute Hazards to the Aquatic Environment
    Fish
      No data available.
  Aquatic Invertebrates
    No data available.
  Toxicity to Aquatic Plants
    No data available.

Chronic Hazards to the Aquatic Environment
  Fish
    No data available.
  Aquatic Invertebrates
    No data available.
  Toxicity to Aquatic Plants
    No data available.

Persistence and Degradability
  Biodegradation
    There are no data on the degradability of this product.
  BOD/COD Ratio
    No data available.

Bioaccumulative Potential
  Bioconcentration Factor (BCF)
    No data available on bioaccumulation.
  Partition Coefficient n-octanol / water (log Kow)
    No data available.

Mobility in Soil
    No data available.

Other Adverse Effects
    The product components are not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

Section 13: Disposal Considerations

Disposal Instructions
    Discharge, treatment, or disposal may be subject to national, state, or local laws.

Contaminated Packaging
    Since emptied containers retain product residue, follow label warnings even after container is emptied.

Section 14: Transportation Information

US Department of Transportation (DOT)
    This material is not regulated as a hazardous material for transport by the U.S. Department of Transportation in accordance with 49 CFR 172.101.

Section 15: Regulatory Information

US Federal Regulations
  Toxic Substance Control Act (TSCA), Chemical Substance Inventory, Section 8(b)
    This product or ingredient(s) are listed on the TSCA inventory. Any impurities present in this product are exempt from listing.
Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) Hazardous Substance List (40 CFR 302.4)
No chemical(s) in this material are subject to the reporting requirements of CERCLA.

Clean Air Act (CAA), Section 112(r)
No chemical(s) in this material are subject to the reporting requirements of CAA.

Emergency Planning and Community Right-To-Know Act (EPCRA)
EPCRA 302 Extremely Hazardous Substance
No chemical(s) in this material are subject to the reporting requirements of SARA Title III, Section 302.

EPCRA 304 Emergency Response Notification
No chemical(s) in this material are subject to the reporting requirements of SARA Title III, Section 304.

EPCRA 311/312 Emergency and Hazardous Materials Reporting
Fire Hazard: No
Sudden Release of Pressure: No
Reactive: No
Acute (Immediate) Health Hazard: Yes
Chronic (Delayed) Health Hazard: No

EPCRA 313 Toxic Chemical Release Inventory ( TRI) Reporting
This material does not contain any chemical(s) with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

US State Regulations
California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65)
This product does not contain any chemicals known to the State of California to cause cancer, birth defects, or any other reproductive harm.

Important Note: Due to the changing nature of regulatory requirements, the information in this document should NOT be considered all-inclusive or authoritative. Users should make their own investigations to determine the suitability of the information for their particular purposes. International, Federal, State and Local regulations should be consulted to determine compliance with all required reporting requirements.

Section 16: Other Information

Hazardous Materials Identification System (HMIS®) Classification
Health Hazard: 1
Chronic Health Hazard: /
Flammability: 0
Physical Hazard: 0

(Hazard Rating: 0 – Minimal / 1 – Slight / 2 – Moderate / 3 – Serious / 4 – Severe)

National Fire Protection Association (NFPA 704) Rating
Health Hazard: 1
Fire Hazard: 0
Reactivity Hazard: 0
Special: N/A

(Hazard Rating: 0 – Minimal / 1 – Slight / 2 – Moderate / 3 – Serious / 4 – Severe)

Prepared By: Regulatory Manager
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Revisions: -

Key to Abbreviations and Acronyms
ATE - Acute Toxicity Estimate
BCF - Bioconcentration Factor
EC50 - Effective concentration, 50%
IDHL - Immediately Dangerous to Life and Health
Kg – Kilogram
L – Liter
lb – Pound
LC50 - Lethal Concentration, 50%
LD50 - Lethal Dose, 50%
mg – milligram
ml – milliliter
N/A – Not Applicable
ND – Not Determined
PEL – Permissible Exposure Limit
REL – Recommended Exposure Limit
STEL – Short-term Exposure Limit
TWA – Time weighted average

ACGIH – American Conference of Industrial Hygienists
AIHA – American Industrial Hygiene Association
BEI – Biological Exposure Indices
CAS – Chemical Abstracts Service
DOT – US Department of Transportation
EPA – US Environmental Protection Agency
GHS – Globally Harmonized System of Classification and Labelling of Chemicals
IARC – International Agency for Research on Cancer
IATA – International Air Transport Association
IBC – Intermediate Bulk Container
IMDG – International Maritime Dangerous Goods
NIOSH – National Institute for Occupational Safety and Health
NTP – National Toxicology Program
OSHA – US Occupational Health and Safety Administration
SARA – US EPA Superfund Amendments and Reauthorization Act
TSCA – US EPA Toxic Substances Control Act
UN – United Nations

References
HSDB® - Hazardous Substances Data Bank

Disclaimer
The information in this SDS was obtained from sources which we believe are reliable. HOWEVER, THE INFORMATION IS PROVIDED WITHOUT ANY WARRANTY, EXPRESS OR IMPLIED, REGARDING ITS CORRECTNESS. The conditions or methods of handling, storage, use, and disposal of the product are beyond our control and may be beyond our knowledge. FOR THIS AND OTHER REASONS, WE DO NOT ASSUME RESPONSIBILITY AND EXPRESSLY DISCLAIM LIABILITY FOR LOSS, DAMAGE OR EXPENSE ARISING OUT OF OR IN ANY WAY CONNECTED WITH THE HANDLING, STORAGE, USE OR DISPOSAL OF THE PRODUCT. This SDS was prepared and is to be used only for this product. If the product is used as a component in another product, this SDS information may not be applicable.