



# MATERIAL SAFETY DATA SHEET

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## COMPANY DETAILS

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## EMERGENCY NO'S:

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## INTERNATIONAL:

CHEMTREC +1 703 527 3887

NOTE: The Chemtrec Transportation Emergency Phone is to be used only in the event of chemical emergencies involving a spill, leak, fire, exposure or accident involving chemicals.

## 1. PRODUCT AND COMPANY IDENTIFICATION:

**Trade Name:** Euco Diamond Hard

Chemical family: Siliconate Polymer

Chemical name:

Synonyms: Concrete Surface Densifier

Chemical Abstract No:

NIOSH No:

Hazchem Code

UN No: 1719 Class 8

## 2. COMPOSITION:

%	CAS NO.	CHEMICAL NAME
> 60	7732-18-5	Water
15-40	1344-09-8	Meta-Silicate
5-10	31795-24-1	Siliconate

## 3. HAZARDOUS IDENTIFICATION:

Main hazard: Harmful if Digested or Inhaled  
 Flammability: Not Flammable – water based  
 Chemical hazard: Highly Alkali  
 Reproductive hazard: Primary irritation  
 Eye effect – eyes: Damages and burns  
 Health effects – skin: Burns and blisters  
 Health effects – ingestion: Mucous membrane damage  
 Health effects – inhalation: Vapours can cause irritation

## 4. FIRST AID MEASURES:

Product in eye: Flush with large amounts of water. Consult a physician.  
 Product on skin: Wash affected area with soap and water. Consult a physician if irritation persists.  
 Product ingested: Do not induce vomiting. Get medical attention.  
 Product inhaled: Remove to fresh air. Restore breathing. Get medical attention.

## 5. FIRE FIGHTING MEASURES:

Extinguishing media: Water, Carbon Dioxide, Dry Chemical  
 Special hazards: Dried product will burn producing Carbon Monoxide, Carbon Dioxide and possibly oxides of nitrogen.  
 Protective clothing: Fire fighters to wear self contained breathing apparatus.

## 6. ACCIDENTAL RELEASE MEASURES:

Personal precautions: Appropriate PPE and equipment.  
 Environmental precautions: Contain all spills.  
 Small spills: Soak with absorbent, dispose of in accordance with local regulations.  
 Large spills: Contain spill, soak with absorbent, dispose of in accordance with local regulations.

## 7. HANDLING AND STORAGE:

Suitable material: Stable under normal conditions.  
 Handling / Storage precautions: Gloves & eye protection / dry sealed containers away from heat & freezing.

<b>8. EXPOSURE CONTROLS / PERSONAL PROTECTION:</b>	
Occupational exposure limits:	No known components with limites
Engineering control measures:	Ensure adequate ventilation
Personal protection – respiratory:	Approved respirator in confined spaces
Personal protection – hands:	Impervious gloves
Personal protection – eyes:	Chemical goggles
Personal protection – skin:	Protective clothing
Other protection:	Protective creams for skin
<b>9. PHYSICAL AND CHEMICAL PROPERTIES:</b>	
Appearance:	Clear liquid
Odour:	None
pH:	12-13
Boiling point:	100°C
Melting point:	Not Applicable
Flash point:	Not Applicable
Flammability:	Not Flammable
Auto-flammability:	Not Applicable
Explosive properties:	Not Applicable
Oxidising properties:	Not Applicable
Vapour pressure:	Heavier Than Air
Density:	1.10 – 1.20
Solubility – water:	Dilutable
Solubility – solvent:	Not Soluble
<b>10. STABILITY AND REACTIVITY:</b>	
Conditions to avoid:	Acids and metals
Incompatible materials:	Not Determined
Hazardous decomposition products:	Dried product will burn producing Carbon Monoxide, Carbon Dioxide and possibly oxides of nitrogen.
<b>11. TOXICOLOGICAL INFORMATION:</b>	
Acute toxicity:	LD50 > 2000mg/kg
Skin and eye contact:	Severe irritation
<b>12. ECOLOGICAL INFORMATION:</b>	
Aquatic toxicity – fish:	Toxic in large quantities
Aquatic toxicity – daphnia:	Toxic in large quantities
Aquatic toxicity – algae:	Toxic in large quantities
Biodegradability:	Not readily biodegradable
Bio-accumulation:	Not determined
Mobility:	Miscible in water
<b>13. DISPOSAL CONSIDERATIONS:</b>	
Disposal methods:	In accordance with local regulations.
Disposal of packaging:	Dispose to licensed disposal contractor.
<b>14. TRANSPORT INFORMATION:</b>	
UN No:	1719 Class 8
Substance identity no:	Caustic Alkali Liquid
IMDG – Packaging group:	PG11
Tremcard no:	
<b>15. REGULATORY INFORMATION:</b>	
EEC hazard classification:	SARA 311/312 – Acute health hazard
Safety phrases:	
<b>16. OTHER INFORMATION:</b>	
EPA Coating Category*:	Concrete sealers
EPA VOC Content Limit (g/l):	400
Product VOC Content (g/l)**:	0
Thinning Recommendations:	None
Application Recommendations:	For professional use only
* As per the federal EPA definition for coating categories in 40 CFR 59.401	
** Grams of VOC per litre of coating product as applied (mixture of Part A and Part B) per EPA Method 24.	

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