

Material Safety Data Sheet

acc. to ISO/DIS 11014

Printing date 02/20/2008

Reviewed on 02/20/2008

1 Identification of substance

- **Product details**

- **Trade name:** Emery Dry Shake Hardener

- **Article number:** 308243

- **Application of the substance / the preparation**

- **Manufacturer/Supplier:**

Conspec

4226 Kansas Avenue

Kansas City, KS 66106

Tel.: (877) 266-7732

Emergency Telephone Number: Use only in the event of an emergency involving a spill, leak, fire, exposure, or accident involving chemicals. Within the U.S., Canada, or the U.S. Virgin Islands, call ChemTrec at (800) 424-9300, 24 hours a day. Or, outside these areas, call (703) 527-3887. Collect calls are accepted.

- **Information department:** Environmental, Health, and Safety department.

2 Composition/Data on components

- **Chemical characterization**

- **Description:** Mixture of the substances listed below with nonhazardous additions.

- **Dangerous components:**

1344-28-1	aluminium oxide	25-50%
1309-37-1	diiron trioxide	25-50%
65997-15-1	Cement, portland, chemicals	25-50%
14808-60-7	Quartz (SiO ₂)	10-25%
7778-18-9	calcium sulphate, natural	≤ 2.5%

- **Additional information:** For the wording of the listed risk phrases refer to section 16.

3 Hazards identification

- **Hazard description:** May cause skin and eye irritation.

- **Information pertaining to particular dangers for man and environment:**

The product has to be labelled due to internationally acknowledged calculation procedures using the latest valid versions. At long or repeated contact with skin it may cause dermatitis due to the degreasing effect of the solvent.

- **Classification system:**

The classification was made according to the latest editions of international substances lists, and expanded upon from company and literature data.

- **NFPA ratings (scale 0 - 4)**



Health = 1

Fire = 0

Reactivity = 0

- **HMIS-ratings (scale 0 - 4)**

HEALTH	1
FIRE	0
PHYSICAL HAZARD	0

Health = 1

Fire = 0

Reactivity = 0

Material Safety Data Sheet

acc. to ISO/DIS 11014

Printing date 02/20/2008

Reviewed on 02/20/2008

Trade name: **Emery Dry Shake Hardener**

(Contd. of page 1)

4 First aid measures

- **After inhalation:** In case of unconsciousness place patient stably in side position for transportation.
- **After skin contact:**
Immediately wash with water and soap and rinse thoroughly.
If skin irritation continues, consult a doctor.
- **After eye contact:** Rinse opened eye for several minutes under running water.
- **After swallowing:** Seek medical treatment.

5 Fire fighting measures

- **Suitable extinguishing agents:**
CO₂, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **Protective equipment:**
Because fire may produce thermal decomposition products, wear a self-contained breathing apparatus (SCBA) with a full face piece operated in pressure-demand or positive-pressure mode.

6 Accidental release measures

- **Person-related safety precautions:** Wear protective equipment. Keep unprotected persons away.
- **Measures for environmental protection:** No special measures required.
- **Measures for cleaning/collecting:** Ensure adequate ventilation.

7 Handling and storage

- **Handling:**
- **Information for safe handling:**
Wear appropriate personal protective clothing to prevent eye and skin contact. Avoid breathing vapors or mists of this product. Use with adequate ventilation. Do not take internally.
- **Information about protection against explosions and fires:** No special measures required.
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** No special requirements.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:** Keep receptacle tightly sealed.

8 Exposure controls and personal protection

- **Additional information about design of technical systems:** No further data; see item 7.
- **Components with limit values that require monitoring at the workplace:**

1344-28-1 aluminium oxide

PEL	15*;5** mg/m ³ *Total dust **Respirable fraction
TLV	10 mg/m ³ (e)

(Contd. on page 3)

USA

Material Safety Data Sheet

acc. to ISO/DIS 11014

Printing date 02/20/2008

Reviewed on 02/20/2008

Trade name: *Emery Dry Shake Hardener*

(Contd. of page 2)

1309-37-1 diiron trioxide

PEL	10 mg/m ³ Fume (Fe ₂ O ₃)
REL	5 mg/m ³ as Fe; Iron dust & fume (Fe ₂ O ₃)
TLV	5 mg/m ³ as Fe (Iron oxide dust & fume (Fe ₂ O ₃))

65997-15-1 Cement, portland, chemicals

PEL	50 mppcf or 15*;5** mg/m ³ *Total dust **Respirable fraction
REL	10*; 5** mg/m ³ *Total dust **Respirable fraction
TLV	10 mg/m ³ (e)

14808-60-7 Quartz (SiO₂)

REL	0.05* mg/m ³ *Respirable dust
TLV	(0.05 R) mg/m ³ NIC-0.025 R

7778-18-9 calcium sulphate, natural

PEL	15*; 5** mg/m ³ *Total dust **Respirable fraction
REL	10*; 5** mg/m ³ *Total dust **Respirable fraction
TLV	10 mg/m ³ (e)

· **Additional information:** The lists that were valid during the creation were used as basis.

· **Personal protective equipment:**

· **General protective and hygienic measures:**

Keep away from foodstuffs, beverages and feed.

Immediately remove all soiled and contaminated clothing.

Wash hands before breaks and at the end of work.

Avoid contact with the eyes and skin.

· **Breathing equipment:** Suitable respiratory protective device recommended.

· **Protection of hands:**



Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

· **Eye protection:** Wear appropriate eye protection to prevent eye contact.

9 Physical and chemical properties

· **General Information**

Form:	Powder
Color:	Reddish Brown to Dark Gray
Odor:	Odorless

(Contd. on page 4)

USA

Material Safety Data Sheet

acc. to ISO/DIS 11014

Printing date 02/20/2008

Reviewed on 02/20/2008

Trade name: *Emery Dry Shake Hardener*

(Contd. of page 3)

- | | |
|--|--|
| · Change in condition
<i>Melting point/Melting range: Undetermined.</i>
<i>Boiling point/Boiling range: Undetermined.</i> | |
| · Flash point: | <i>Not applicable.</i> |
| · Auto igniting: | <i>Product is not selfigniting.</i> |
| · Danger of explosion: | <i>Product does not present an explosion hazard.</i> |
| · Density at 20°C (68°F): | <i>2.600 g/cm³</i> |
| · Solubility in / Miscibility with Water: | <i>Insoluble.</i> |
| · Solvent content:
<i>Organic solvents:</i> | <i>0.0 %</i> |
| · Solids content: | <i>100.0 %</i> |
| · Volatile Organic Compounds: <i>Not determined</i> | |

10 Stability and reactivity

- **Thermal decomposition / conditions to be avoided:** *No decomposition if used according to specifications.*
- **Dangerous reactions** *No dangerous reactions known.*
- **Dangerous products of decomposition:** *No dangerous decomposition products known.*

11 Toxicological information

- **Acute toxicity:**
- **Primary irritant effect:**
- **on the skin:** *May cause skin irritation.*
- **on the eye:** *Irritating effect.*
- **Sensitization:** *No sensitizing effects known.*
- **Additional toxicological information:**
The product shows the following dangers according to internally approved calculation methods for preparations:
Irritant

12 Ecological information

- **General notes:** *Water hazard class 1 (Self-assessment): slightly hazardous for water*

13 Disposal considerations

- **Product:**
- **Recommendation:**
Must not be disposed of as normal garbage. Do not allow product to reach sewage system.
It is the generator's responsibility to determine if the waste meets applicable definitions of hazardous waste. State and local regulations may differ from federal disposal regulations. Dispose of waste material according to local, state, federal, and provincial environmental regulations.

(Contd. on page 5)

USA

Material Safety Data Sheet

acc. to ISO/DIS 11014

Printing date 02/20/2008

Reviewed on 02/20/2008

Trade name: *Emery Dry Shake Hardener*

(Contd. of page 4)

- **Uncleaned packagings:**
- **Recommendation:** Disposal must be made according to Federal, State, and Local regulations.

14 Transport information

- | | |
|---|--|
| · DOT regulations: | Not Regulated |
| · Hazard class: | N/A |
| · Limited Quantity Exemption: | No Limited Quantity exemption applies for this shipping class. |
| · U.S. Domestic Ground Shipments: | Same as listed for Standard Shipments above. |
| · U.S. Domestic Ground Non-Bulk (119 gal or less per container) Shipments: | Same as listed for Standard Shipments above. |
| · Emergency Response Guide (ERG) Number: | Not determine |
| · Land transport ADR/RID (cross-border): | Not Regulated |
| · ADR/RID class: | N/A |
| · Maritime transport IMDG: | Not Regulated |
| · IMDG Class: | - |
| · Marine pollutant: | No |
| · Air transport ICAO-TI and IATA-DGR: | Not Regulated |
| · ICAO/IATA Class: | - |

15 Regulations

· **Sara**· **Section 355 (extremely hazardous substances):**

None of the ingredient is listed.

· **Section 313 (Specific toxic chemical listings):**

This product may contain 1 or more toxic chemicals subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act (SARA) of 1986 and 40 CFR part 372. If so, the chemicals are listed below.

1344-28-1	aluminium oxide	25-50%
-----------	-----------------	--------

· **TSCA (Toxic Substances Control Act):**

All ingredients are listed.

· **Proposition 65**· **Chemicals known to the State of California (Prop. 65) to cause cancer:**

14808-60-7	Quartz (SiO ₂)
------------	----------------------------

· **Chemicals known to cause reproductive toxicity for females:**

None of the ingredients is listed.

· **Chemicals known to cause reproductive toxicity for males:**

None of the ingredients is listed.

· **Chemicals known to cause developmental toxicity:**

None of the ingredients is listed.

· **Cancerogenity categories**· **EPA (Environmental Protection Agency)**

None of the ingredients is listed.

(Contd. on page 6)

Material Safety Data Sheet

acc. to ISO/DIS 11014

Printing date 02/20/2008

Reviewed on 02/20/2008

Trade name: **Emery Dry Shake Hardener**

(Contd. of page 5)

· IARC (International Agency for Research on Cancer)		
1309-37-1	diiron trioxide	3
14808-60-7	Quartz (SiO ₂)	1
· NTP (National Toxicology Program)		
14808-60-7	Quartz (SiO ₂)	K
· TLV (Threshold Limit Value established by ACGIH)		
1344-28-1	aluminium oxide	A4
1309-37-1	diiron trioxide	A4
14808-60-7	Quartz (SiO ₂)	A2
· MAK (German Maximum Workplace Concentration)		
1344-28-1	aluminium oxide	2
14808-60-7	Quartz (SiO ₂)	1
· NIOSH-Ca (National Institute for Occupational Safety and Health)		
14808-60-7	Quartz (SiO ₂)	
· OSHA-Ca (Occupational Safety & Health Administration)		
None of the ingredients is listed.		

· Product related hazard informations:

The product has been classified and marked in accordance with directives on hazardous materials.

· Hazard symbols: Xi Irritant**· Risk phrases:**

36/37/38 Irritating to eyes, respiratory system and skin.

66 Repeated exposure may cause skin dryness or cracking.

· Safety phrases:

2 Keep out of the reach of children.

3 Keep in a cool place.

25 Avoid contact with eyes.

39 Wear eye/face protection.

· National regulations:

· **Water hazard class:** Water hazard class 1 (Self-assessment): slightly hazardous for water.

16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

· **Department issuing MSDS:** Environmental, Health & Safety Department

· **Contact:** Environmental, Health & Safety Manager