

---

## 1. PRODUCT AND COMPANY IDENTIFICATION

### Product identifier

**Product Name** • E5 Liquid Fly Ash (LFA)  
**Product Code** • E5-LFA

### Relevant identified uses of the substance or mixture and uses advised against

**Recommended use** • Household and industrial cleaning

### Details of the supplier of the safety data sheet

**Manufacturer** • Specification Products  
15196 Cumberland Road  
Noblesville, IN 46060  
www.specificationproducts.com

**Telephone (General)** • 888-881-1726

### Emergency telephone number

**Manufacturer** • 888-881-1726

---

## 2. HAZARDS IDENTIFICATION

### Emergency Overview

Appearance	liquid
Color	clear, cloudy
Odor	slight

### GHS Classification

Not a hazardous substance or mixture

### GHS label elements

Not a hazardous substance or mixture

---

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

#### Mixtures

Common Names : Amorphous Silica, aqueous nano silica solution : Mixture  
Pure Substance/Mixture

#### Hazardous components

Component	Classification	Concentration
<b>Proprietary</b>		
CAS-No.	7631-86-9	

---

### 4. FIRST AID MEASURES

#### Description of first aid measures

##### General advice

Move out of dangerous area.

##### If inhaled

If breathed in, move person into fresh air. If not breathing, give artificial respiration.

##### In case of skin contact

Wash off with soap and plenty of water.

##### In case of eye contact

Flush eyes with water as a precaution.

##### If swallowed

Never give anything by mouth to an unconscious person. Rinse mouth with water.

##### Most important symptoms and effects, both acute and delayed

The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11

##### Indication of any immediate medical attention and special treatment needed

No data available

---

### 5. FIREFIGHTING MEASURES

#### Extinguishing media

##### Suitable extinguishing media

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

##### Special hazards arising from the substance or mixture

silicon oxides

##### Advice for firefighters

Wear self-contained breathing apparatus for firefighting if necessary.

##### Further information

No data available

---

### 6. ACCIDENTAL RELEASE MEASURES

#### Personal precautions, protective equipment and emergency procedures

Avoid breathing vapours, mist or gas.

For personal protection see section 8.

#### Environmental precautions

No special environmental precautions required.

#### Methods and materials for containment and cleaning up

Keep in suitable, closed containers for disposal.

## 7. HANDLING AND STORAGE

### Precautions for safe handling

For precautions see section 2.2.

### Conditions for safe storage, including any incompatibilities

Keep container tightly closed in a dry and well-ventilated place.

### Specific end use(s)

Apart from the uses mentioned in section 1.2 no other specific uses are stipulated

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Control parameters

#### Components with workplace control parameters

Component	CAS-No.	Value	Control parameters	Basis
Silicon dioxide	7631-86-9	TWA	6.000000 mg/m <sup>3</sup>	USA. NIOSH Recommended Exposure Limits
		TWA	20.000000 Million particles per cubic foot	USA. Occupational Exposure Limits (OSHA) - Table Z-3 Mineral Dusts
	Remarks	Millions of particles per cubic foot of air, based on impinger samples counted by light-field techniques. mppcf X 35.3 = million particles per cubic meter = particles per c.c		
		TWA	80.000000 mg/m <sup>3</sup> / %SiO <sub>2</sub>	USA. Occupational Exposure Limits (OSHA) - Table Z-3 Mineral Dusts
		TWA	20.000000 Million particles per cubic foot	USA. Occupational Exposure Limits (OSHA) - Table Z-3 Mineral Dusts
		Millions of particles per cubic foot of air, based on impinger samples counted by light-field techniques. mppcf X 35.3 = million particles per cubic meter = particles per c.c		
		TWA	80.000000 mg/m <sup>3</sup> / %SiO <sub>2</sub>	USA. Occupational Exposure Limits (OSHA) - Table Z-3 Mineral Dusts
		TWA	20.000000 Million particles per cubic foot	USA. Occupational Exposure Limits (OSHA) - Table Z-3 Mineral Dusts
		Millions of particles per cubic foot of air, based on impinger samples counted by light-field techniques. mppcf X 35.3 = million particles per cubic meter = particles per c.c		
		TWA	80.000000 mg/m <sup>3</sup> / %SiO <sub>2</sub>	USA. Occupational Exposure Limits (OSHA) - Table Z-3 Mineral Dusts
		TWA	6.000000 mg/m <sup>3</sup>	USA. NIOSH Recommended Exposure Limits
		TWA	6.000000 mg/m <sup>3</sup>	USA. NIOSH Recommended Exposure Limits

### Exposure controls

#### Appropriate engineering controls

General industrial hygiene practice.

#### Personal protective equipment

##### Eye/face protection

Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

##### Skin protection

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

**Body Protection**

impervious clothing, The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

**Respiratory protection**

Respiratory protection not required. For nuisance exposures use type OV/AG (US) or type ABEK (EU EN 14387) respirator cartridges. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

**Control of environmental exposure**

No special environmental precautions required.

---

**9. PHYSICAL AND CHEMICAL PROPERTIES****Information on basic physical and chemical properties**

a) Appearance	Form: liquid
b) Odour	No data available
c) Odour Threshold	No data available
d) pH	No data available
e) Melting point/freezing point	No data available
f) Initial boiling point and boiling range	No data available
g) Flash point	No data available
h) Evaporation rate	No data available
i) Flammability (solid, gas)	No data available
j) Upper/lower flammability or explosive limits	No data available
k) Vapour pressure	No data available
l) Vapour density	No data available
m) Relative density	1.4 g/cm <sup>3</sup> at 25 °C (77 °F)
n) Water solubility	No data available
o) Partition coefficient: n-octanol/water	No data available
p) Auto-ignition temperature	No data available
q) Decomposition temperature	No data available
r) Viscosity	No data available
s) Explosive properties	No data available
t) Oxidizing properties	No data available

**Other safety information**

No data available

---

**10. STABILITY AND REACTIVITY****Reactivity**

No data available

**Chemical stability**

Stable under recommended storage conditions.



**Possibility of hazardous reactions**

No data available

**Conditions to avoid**

No data available

**Incompatible materials**

Strong bases, Strong oxidizing agents, Amines, Strong acids, Acid anhydrides, Peroxides, Isocyanates, Phenol, Aniline

**Hazardous decomposition products**

Other decomposition products - No data available

In the event of fire: see section 5

---

**11. TOXICOLOGICAL INFORMATION****Information on toxicological effects****Acute toxicity**

No data available

Inhalation: No data available

Dermal: No data available

No data available

**Skin corrosion/irritation**

No data available

**Serious eye damage/eye irritation**

No data available

**Respiratory or skin sensitisation**

No data available

**Germ cell mutagenicity**

No data available

**Carcinogenicity**

IARC: 3 - Group 3: Not classifiable as to its carcinogenicity to humans (Silicon dioxide)

ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

NTP: 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.

OSHA: 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.

**Reproductive toxicity**

No data available

No data available

**Specific target organ toxicity - single exposure**

No data available

**Specific target organ toxicity - repeated exposure**

No data available

**Aspiration hazard**

No data available

**Additional Information**

RTECS: Not available

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

Stomach - Irregularities - Based on Human Evidence  
Stomach - Irregularities - Based on Human Evidence (Silicon dioxide)

---

## 12. ECOLOGICAL INFORMATION

### Toxicity

No data available

### Persistence and degradability

No data available

### Bioaccumulative potential

No data available

### Mobility in soil

No data available

### Results of PBT and vPvB assessment

PBT/vPvB assessment not available as chemical safety assessment not required/not conducted

### Other adverse effects

No data available

---

## 13. DISPOSAL CONSIDERATIONS

### Waste treatment methods

### Product

Offer surplus and non-recyclable solutions to a licensed disposal company.

### Contaminated packaging

Dispose of as unused product.

---

## 14. TRANSPORT INFORMATION

**DOT (US): Not Regulated**

**IMDG: Not Regulated**

**IATA: Not Regulated**

---

## 15. REGULATORY INFORMATION

### SARA 302 Components

No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

### SARA 313 Components

This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

### SARA 311/312 Hazards

Chronic Health Hazard

### Massachusetts Right To Know Components

	CAS-No.	Revision Date
Silicon dioxide	7631-86-9	1993-04-24

### Pennsylvania Right To Know Components

	CAS-No.	Revision Date
Water	7732-18-5	
Silicon dioxide	7631-86-9	1993-04-24

### New Jersey Right To Know Components

	CAS-No.	Revision Date
Water	7732-18-5	
Silicon dioxide	7631-86-9	1993-04-24

### California Prop. 65 Components



This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

---

## 16. OTHER INFORMATION

### Full text of H-Statements referred to under sections 2 and 3.

H372 Causes damage to organs through prolonged or repeated exposure.  
STOT RE Specific target organ toxicity - repeated exposure

### HMIS Rating

Health hazard:	1
Chronic Health Hazard:	*
Flammability:	0
Physical Hazard	0

### NFPA Rating

Health hazard:	0
Fire Hazard:	0
Reactivity Hazard:	0

### Further information

Last Revision Date • 06/01/2015  
Preparation Date • 06/01/2015

Disclaimer/Statement of Liability

Key to abbreviations

NDA = No data available.

- The information contained herein is believed to be accurate but is not warranted to be so. Data and calculations are based on information furnished by the manufacturer of the product and manufacturers of the components of the product. Users are advised to confirm in advance the need that information is current, applicable and suited to the circumstances of use. Specification Products assumes no responsibility for injury to vendee or third party person proximity caused by the material if reasonable safety procedures are not adhered to as stipulated in the data sheet. Furthermore, Specification Products assumes no responsibility for injury by abnormal use of this material even if reasonable safety procedures are followed.

