

**Fossil Fuel Trap - Absorbent | MSDS**

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**1. Identification of substance**

Product name: **Fossil Fuel Trap Absorbent**  
 Product Number: E-03171  
 Product Use: Carbon dioxide absorbent  
 CAS-No: 8006-28-8

Manufacturer/Supplier:  
 E-Flux, LLC  
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**2. Hazards identification**

**2.1 Classification of the substance or mixture**

**GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)**

Skin corrosion (Category 1A), H314  
 Serious eye damage (Category 1), H318

For the full text on the H-Statements mentioned in this Section, see Section 16.

**2.2 GHS Label elements, including precautionary statements**

Pictogram

Signal Word



**Danger**

Hazard Statements

H314 Causes severe skin burns and eye damage.

Precautionary statements

P260	Do not breathe dust or mist.
P264	Wash skin thoroughly after handling.
P280	Wear protective gloves/protective clothing /eye protection/face protection.
P301 + P330 + P331	IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P303 + P361 + P353	IF ON SKIN (or hair): Remove/ Take off immediately all contaminated clothing. Rinse skin with water/shower.
P304 + P340	IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing
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.
P321	Specific treatment.
P363	Wash contaminated clothing before reuse.
P405	Store locked up
P501	Dispose of contents/container to an approved waste disposal plat.

**2.3 Hazards not otherwise classified (HNOC) or not covered by GHS**

None.

### 3. Composition / Information on ingredients

Component	CAS-No	Classification	Concentration
Soda lime (<4% sodium hydroxide)	8006-28-8	Skin Corr. 1A; H314 Eye Dam. 1; H318	-

### 4. First aid measures

#### 4.1 Description of first aid measures

##### General advice

Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area.

##### If inhaled

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

##### In case of skin contact

Take off contaminated clothing and shoes immediately. Wash off with soap and plenty of water. Consult a physician.

##### In case of eye contact

Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician. Continue rinsing eyes during transport to hospital. Remove contact lenses if present and possible.

##### If swallowed

Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

#### 4.2 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

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

No data available

### 5. Firefighting measures

#### 5.1 Extinguishing media

##### Suitable extinguishing media

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

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

Nature of decomposition products not known.

#### 5.3 Advice for firefighters

Wear self-contained breathing apparatus for firefighting if necessary.

#### 5.4 Further information

No data available

### 6. Accidental release measures

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

Use personal protective equipment. Avoid dust formation. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas. Avoid breathing dust. For personal protection see section 8.

#### 6.2 Environmental precautions

Do not let product enter drains.

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

Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed containers for disposal.

#### 6.3 Reference to other sections

For disposal see section 13.

## 7. Handling and storage

### 7.1 Precautions for safe handling

Avoid formation of dust and aerosols.

Provide appropriate exhaust ventilation at places where dust is formed. Normal measures for preventive fire protection.

For precautions see section 2.2

### 7.2 Conditions for safe storage, including any incompatibilities

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

## 8. Exposure controls and personal protection

### 8.1 Control parameters

#### Components with workplace control parameters

Contains no substances with occupational exposure limit values.

### 8.2 Exposure controls

#### Appropriate engineering controls

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

Provide adequate ventilation (e.g. local exhaust ventilation)

#### Personal protective equipment

##### Eye/face protection

Face shield and safety glasses 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.

###### *Material of gloves*

Gloves should be impermeable and resistant to the product. Selection of material should be considered before use.

Rubber gloves.

PVC gloves.

##### Body Protection

Complete suit protecting against chemicals, the type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

##### Respiratory protection

Where risk assessment shows air-purifying respirators are appropriate use a full-face particle respirator type N100 (US) or type P3 (EN 143) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

##### Control of environmental exposure

Do not let product enter drains.

## 9. Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

Appearance	form- granular, color - beige	Vapor pressure	no data available
Odor	no data available	Vapor density	no data available
Odor threshold	no data available	Relative density	no data available
pH	7.0-14.0	Water solubility	Insoluble
Melting point/ Freezing point	no data available	Partition coefficient-noctanol/water	no data available
Initial boiling point and boiling range	no data available	Auto-ignition temperature	
Flash point	no data available	Decomposition temperature	no data available
Evaporation rate	no data available	Viscosity	no data available

Flammability (solid, gas)	no data available	Explosive properties	no data available
Upper/lower flammability or explosive limits	no data available	Oxidizing properties	no data available

**9.2 Other safety information**

No data available

**10. Stability and reactivity**

**10.1 Reactivity**

Heat is generated if exposed to acids

**10.2 Chemical stability**

Stable under recommended storage conditions.

**10.3 Possibility of hazardous reactions**

Hazardous polymerization will not occur.

**10.4 Conditions to avoid**

Air sensitive.

**10.5 Incompatible materials**

Strong acids

**10.6 Hazardous decomposition products**

Other decomposition products - No data available

In the event of fire: see section 5

**11. Toxicological information**

**11.1 Information on toxicological effects**

Acute toxicity	Skin corrosion/irritation	Serious eye damage/eye irritation	Respiratory or skin sensitization	Germ cell mutagenicity
No data available Inhalation: No data available Dermal: No data available	No data available	No data available	No data available	No data available

**Carcinogenicity**

IARC: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

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

**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

Material is extremely destructive to tissue of the mucous membranes and upper respiratory tract, eyes, and skin., Cough, Shortness of breath, Headache, Nausea

**12. Ecological information****12.1 Toxicity**

No data available

**12.2 Persistence and degradability**

No data available

**12.3 Bioaccumulative potential**

No data available

**12.4 Mobility in soil**

No data available

**12.5 Results of PBT and vPvB assessment**

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

**12.6 Other adverse effects**

No data available

**13. Disposal considerations****13.1 Waste treatment methods****Product**

Offer surplus and non-recyclable solutions to a licensed disposal company. Contact a licensed professional waste disposal service to dispose of this material. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber.

**Contaminated packaging**

Dispose of as unused product.

**14. Transport information**

U.S. DOT, IATA, IMO, ADR:	Not Classified
Proper shipping name (ADR, IMDG, IATA):	Not Classified
Transport Class(es) (ADR, IMDG, IATA):	* Exempt under special provision 62 and A16
Packing group (ADR, IMDG, IATA):	Not Classified
Environmental Hazards (ADR, IMDG, IATA):	Not a marine pollutant (by the U.S. DOT, 49 CFR 172.101. Appendix B)
Special Procedures (ADR, IMDG, IATA):	Not Applicable
Transport in Bulk:	Not Applicable
Other:	Not classified as dangerous goods, per U.S.DOT, 49 CFR, 172.101.

*\*Special provision 62 of the transport regulations (IMDG Code/RID/ADR/AND) applies to UN 1907, stating that soda lime is not considered a dangerous good for transport when the sodium hydroxide concentration is lower than 4%, and is not subject to IATA under special provision A16.*

**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**

Acute Health Hazard

**Massachusetts Right To Know Components**

No components are subject to the Massachusetts Right to Know Act.

**Pennsylvania Right To Know Components**

	CAS-No.	Revision Date
Soda lime	8006-28-8	

**New Jersey Right To Know Components**

	CAS-No.	Revision Date
Soda lime	8006-28-8	

**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.**

Eye Dam.	Serious eye damage
H314	Causes severe skin burns and eye damage.
H318	Causes serious eye damage.
Skin Corr.	Skin corrosion

**HMIS Rating**

Health hazard:	3
Chronic Health Hazard:	
Flammability:	0
Physical Hazard	0

**NFPA Rating**

Health hazard:	3
Fire Hazard:	0
Reactivity Hazard:	0

**Further information**

License granted to make unlimited paper copies for internal use only. The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. E-Flux shall not be held liable for any damage resulting from handling or from contact with the above product.

"The data included herein are presented in accordance with various environment, health and safety regulations. It is the responsibility of a recipient of the data to remain currently informed on chemical hazard information, to design and update its own program and to comply with all national, federal, state and local laws and regulations applicable to safety, occupational health, right-to-know and environmental protection."

**Department issuing MSDS:**

*Other Information:*

Raw material suppliers' safety data sheets were used as key data sources in the preparation of this safety data sheet.