



# Safety Data Sheet

## Insulcel-E

---

### SECTION 1: Identification

#### 1.1 GHS Product identifier

Product name Insulcel-E

#### 1.3 Recommended use of the chemical and restrictions on use

For industrial use.

#### 1.4 Supplier's details

Name Siplast, Inc.  
Address 14911 Quorum Dr.  
Suite 600  
Dallas TX 75254  
USA

Telephone 800-922-8800  
email info@siplast.com

1.5 Emergency phone number 800-424-9300 (CHEMTREC)

---

### SECTION 2: Hazard identification

#### General hazard statement

Causes skin irritation  
Causes serious eye irritation  
Suspected of causing cancer

#### 2.1 Classification of the substance or mixture

**GHS classification in accordance with: OSHA (29 CFR 1910.1200)**

- Skin corrosion/irritation, Cat. 2
- Eye damage/irritation, Cat. 2A
- Carcinogenicity, Cat. 2

#### 2.2 GHS label elements, including precautionary statements

##### Pictograms



##### Signal word

**Warning**

# Safety Data Sheet

## Insulcel-E

### Hazard statement(s)

H315	Causes skin irritation
H319	Causes serious eye irritation
H351	Suspected of causing cancer [route]

### Precautionary statement(s)

P201	Obtain special instructions before use.
P202	Do not handle until all safety precautions have been read and understood.
P264	Wash face, hands and any exposed skin thoroughly after handling.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P302+P352	IF ON SKIN: Wash with plenty of water and soap.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.
P308+P313	IF exposed or concerned: Get medical advice/attention.
P321	Specific treatment (see Section 4 on this SDS).
P332+P313	If skin irritation occurs: Get medical advice/attention.
P337+P313	If eye irritation persists: Get medical advice/attention.
P362+P364	Take off contaminated clothing and wash it before reuse.
P405	Store locked up.
P501	Dispose of contents/container to an approved waste disposal plant.

### 2.3 Other hazards which do not result in classification

No data available.

### Statement regarding ingredients of unknown toxicity

No data available.

---

## SECTION 3: Composition/information on ingredients

### 3.2 Mixtures

#### Hazardous components

##### 1. Component 1 (trade secret)\*

Concentration	1.66 % (weight)
---------------	-----------------

##### 2. Component 2 (trade secret)\*

Concentration	1.36 % (weight)
---------------	-----------------

##### 3. Component 3 (trade secret)\*

Concentration	0.15 % (weight)
---------------	-----------------

##### 4. Sodium hydroxide

Concentration	0.004 % (weight)
---------------	------------------

EC no.	215-185-5
--------	-----------

CAS no.	1310-73-2
---------	-----------

Index no.	011-002-00-6
-----------	--------------

# Safety Data Sheet

## Insulcel-E

- Skin corrosion/irritation, Cat. 1A

H314  
SCLs/M-factors/ATEs

Causes severe skin burns and eye damage  
Skin Corr. 1A; H314:  $C \geq 5\%$   
Skin Corr. 1B; H314:  $2\% \leq C < 5\%$   
Skin Irrit. 2; H315:  $0,5\% \leq C < 2\%$   
Eye Irrit. 2; H319:  $0,5\% \leq C < 2\%$

### Trade secret statement (OSHA 1910.1200(i))

\*\*If Chemical Name/CAS No is "proprietary" and/or Weight-% is listed as a range, the specific chemical identity and/or percentage of composition has been withheld as a trade secret.\*\*

---

## SECTION 4: First-aid measures

### 4.1 Description of necessary first-aid measures

General advice	In case of accident or if you feel unwell, seek medical advice immediately (show the label or SDS where possible).
If inhaled	Remove to fresh air.
In case of skin contact	Wash with plenty of water and soap. If skin irritation occurs: Get medical advice/attention. Take off contaminated clothing and wash it before reuse.
In case of eye contact	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
If swallowed	Clean mouth with water and drink afterwards plenty of water.
Personal protective equipment for first-aid responders	No data available.

### 4.2 Most important symptoms/effects, acute and delayed

Causes skin irritation. Causes serious eye irritation. Suspected of causing cancer.

### 4.3 Indication of immediate medical attention and special treatment needed, if necessary

Treat symptomatically and supportively.

---

## SECTION 5: Fire-fighting measures

### 5.1 Suitable extinguishing media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

### 5.2 Specific hazards arising from the chemical

Not determined.

### 5.3 Special protective actions for fire-fighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

# Safety Data Sheet

## Insulcel-E

### Further information

No data available.

---

## SECTION 6: Accidental release measures

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

Use personal protective equipment as required.

### 6.2 Environmental precautions

See Section 12 for additional Ecological Information.

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

Methods for Containment: Prevent further leakage or spillage if safe to do so.

Methods for Clean-Up: Keep in suitable, closed containers for disposal. For waste disposal, see section 13 of the SDS.

### Reference to other sections

No data available.

---

## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

Handle in accordance with good industrial hygiene and safety practice. Wash face, hands and any exposed skin thoroughly after handling. Wear appropriate personal protective equipment.

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

Storage Conditions: Keep containers tightly closed in a dry, cool and well-ventilated place.

Incompatible Materials: None known based on information supplied.

### Specific end use(s)

No data available.

---

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

#### 1. Component 1 (trade secret)\*

STEL (Inhalation): 6 ppm; US (ACGIH)

TWA (Inhalation): 3 ppm; US (ACGIH)

TWA (Inhalation): 3 ppm; US (US/OSHA)

TWA (Inhalation): 6 mg/m<sup>3</sup>; US (US/OSHA)

TWA (Inhalation): 8 mg/m<sup>3</sup>; US (US/OSHA)

STEL (Inhalation): 6 ppm; US (US/OSHA)

STEL (Inhalation): 15 mg/m<sup>3</sup>; US (US/OSHA)

IDLH (Inhalation): 30 ppm; US (NIOSH)

TWA (Inhalation): 3 ppm; US (NIOSH)

# Safety Data Sheet

## Insulcel-E

TWA (Inhalation): 8 mg/m<sup>3</sup>; US (NIOSH)

STEL (Inhalation): 6 ppm; US (NIOSH)

STEL (Inhalation): 15 mg/m<sup>3</sup>; US (NIOSH)

### 2. Component 2 (trade secret)\*

STEL (Inhalation): 15 ppm; US (ACGIH)

TWA (Inhalation): 10 ppm; US (ACGIH)

TWA (Inhalation): 10 ppm; US (US/OSHA)

TWA (Inhalation): 25 mg/m<sup>3</sup>; US (US/OSHA)

IDLH (Inhalation): 50 ppm; US (NIOSH)

TWA (Inhalation): 10 ppm; US (NIOSH)

TWA (Inhalation): 25 mg/m<sup>3</sup>; US (NIOSH)

STEL (Inhalation): 15 ppm; US (NIOSH)

STEL (Inhalation): 37 mg/m<sup>3</sup>; US (NIOSH)

### 3. Sodium hydroxide (CAS: 1310-73-2)

TLV® (Inhalation): (C) 2 mg/m<sup>3</sup>; US (ACGIH)

TWA (Inhalation): 2 mg/m<sup>3</sup>; US (US/OSHA)

IDLH (Inhalation): 10 mg/m<sup>3</sup>; US (NIOSH)

IDLH (Inhalation): (C) 2 mg/m<sup>3</sup>; US (NIOSH)

## 8.2 Appropriate engineering controls

Apply technical measures to comply with the occupational exposure limits.

## 8.3 Individual protection measures, such as personal protective equipment (PPE)

### Pictograms



### Eye/face protection

Use approved safety goggles or safety glasses. If necessary, refer to appropriate regulations and standards.

### Skin protection

Use body protection appropriate for task. If necessary, refer to appropriate regulations and standards.

### Body protection

Use body protection appropriate for task. If necessary, refer to appropriate regulations and standards.

### Respiratory protection

Ensure adequate ventilation, especially in confined areas. Refer to 29 CFR 1910.134 for respiratory protection requirements.

### Thermal hazards

No data available.

# Safety Data Sheet

## Insulcel-E

### Control banding approach

No data available.

### Environmental exposure controls

No data available.

---

## SECTION 9: Physical and chemical properties

### Basic physical and chemical properties

Physical state	Liquid
Appearance	Amber liquid
Color	Amber
Odor	Musty
Odor threshold	Not determined
Melting point/freezing point	~0°C / ~32°F
Boiling point or initial boiling point and boiling range	N/A
Flammability	Not determined
Lower and upper explosion limit/flammability limit	No data available
Flash point	Non-flammable
Explosive properties	Not determined
Auto-ignition temperature	No data available
Decomposition temperature	No data available.
Oxidizing properties	No data available.
pH	~9
Kinematic viscosity	Not determined
Solubility	100%
Partition coefficient n-octanol/water (log value)	No data available.
Vapor pressure	approximately that of water
Evaporation rate	Not determined
Density and/or relative density	slightly greater than 1
Relative vapor density	No data available
Particle characteristics	No data available.

### Supplemental information regarding physical hazard classes

No data available.

### Further safety characteristics (supplemental)

VOC Content: None

---

## SECTION 10: Stability and reactivity

### 10.1 Reactivity

Not reactive under normal conditions.

### 10.2 Chemical stability

Stable under recommended storage conditions.

### 10.3 Possibility of hazardous reactions

None under normal processing.

### 10.4 Conditions to avoid

Keep out of reach of children.

# Safety Data Sheet

## Insulcel-E

### 10.5 Incompatible materials

Sodium hydroxide : Caustic soda reacts with all the mineral acids to form the corresponding salts. It also reacts with weak-acid gases, such as hydrogen sulfide, sulfur dioxide, and carbon dioxide. Caustic soda reacts with amphoteric metals (Al, Zn, Sn) and their oxides to form complex anions such as  $AlO_2(-)$ ,  $ZnO_2(-2)$ ,  $SNO_2(-2)$ , and  $H_2$  (or  $H_2O$  with oxides). All organic acids also react with sodium hydroxide to form soluble salts. Another common reaction of caustic soda is dehydrochlorination.

### 10.6 Hazardous decomposition products

Sodium hydroxide : Sodium oxides

---

## SECTION 11: Toxicological information

### Information on toxicological effects

#### Acute toxicity

No data available.

#### Skin corrosion/irritation

Causes skin irritation.

#### Serious eye damage/irritation

Causes serious eye irritation.

#### Respiratory or skin sensitization

Do not inhale. Avoid contact with skin.

#### Germ cell mutagenicity

No data available.

#### Carcinogenicity

Suspected of causing cancer.

#### Reproductive toxicity

No data available.

#### Summary of evaluation of the CMR properties

No data available.

#### Specific target organ toxicity (STOT) - single exposure

No data available.

#### Specific target organ toxicity (STOT) - repeated exposure

No data available.

#### Aspiration hazard

Do not inhale.

#### Additional information

No data available.

## **SECTION 12: Ecological information**

### **Toxicity**

Harmful to aquatic life with long lasting effects.

### **Persistence and degradability**

Not determined.

### **Bioaccumulative potential**

There is no data for this product.

### **Mobility in soil**

Component 1: Partition coefficient -2.3

Component 2: Partition coefficient -0.17

### **Results of PBT and vPvB assessment**

No data available.

### **Endocrine disrupting properties**

No data available.

### **Other adverse effects**

No data available.

---

## **SECTION 13: Disposal considerations**

### **Disposal methods**

#### **Product disposal**

Disposal should be in accordance with applicable regional, national and local laws and regulations.

#### **Packaging disposal**

Disposal should be in accordance with applicable regional, national and local laws and regulations.

#### **Waste treatment**

No data available.

#### **Sewage disposal**

No data available.

#### **Other disposal recommendations**

No data available.

---

## **SECTION 14: Transport information**

### **DOT (US)**

Not regulated

### **IMDG**

Not regulated

### **IATA**

Not regulated

## **SECTION 15: Regulatory information**

### **15.1 Safety, health and environmental regulations specific for the product in question**

#### **New Jersey Right To Know Components**

Common name: SODIUM HYDROXIDE

CAS number: 1310-73-2

Listing note: CO-corrosive; R1-reactive 1st deg.

#### **Pennsylvania Right To Know Components**

Chemical name: SODIUM HYDROXIDE (NA(OH))

CAS number: 1310-73-2

Listing note: E-environmental hazard.

#### **Massachusetts Toxic Use Reduction Act (TURA) list**

Chemical name: Sodium hydroxide

CAS number: 1310-73-2

TRI listing: unlisted; CERCLA listing: X-reportable; TURA-only listing: no; de minimis concentration threshold: 1 percent. Changes: CERCLA Chemical added RY1992

#### **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

#### **Canadian Domestic Substances List (DSL)**

Chemical name: Sodium hydroxide (Na(OH))

CAS number: 1310-73-2

#### **EU Table of Harmonised Entries (Annex VI to CLP)**

Chemical name: Sodium hydroxide

CAS number: 1310-73-2

#### **US EPA TSCA public inventory**

Chemical name: Sodium hydroxide

CAS number: 1310-73-2

### **15.2 Chemical Safety Assessment**

No data available.

---

## **SECTION 16: Other information**

### **16.1 Further information/disclaimer**

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.