

Material Safety Data Sheet

acc. to ISO/DIS 11014

Printing date 02/05/2010

Reviewed on 02/05/2010






1 Identification of substance

- **Product details**
- **Trade name:** **Sakrete Self-Leveling Polyurethane Sealant**
- **Article number:** 65450008 & 65450015
- **Application of the substance / the preparation :** Polyurethane-sealant
- **Manufacturer/Supplier:**
 Manufacturer :
 EMFI S.A.S.
 3 RUE ETTORE BUGATTI
 BP 40030
 67501 HAGUENAU CEDEX
 FRANCE
 Phone:33 3 88 90 60 00
 Fax :33 3 88 90 60 00
 Internet : <http://www.emfi.com>
- Supplier :
 Bonsal American Inc./ an Oldcastle company
 8201 Arrowridge Blvd
 Charlotte, NC 28273
 Phone: 1-866-SAKRETE
 704-525-1621
- **Information department:** Environment Protection Department
- **Emergency information:** 800-424-9300 (Chemtrec) or 703-527-3887 (outside USA)

2 Composition/Data on components

- **Chemical characterization**
- **Description:**
 Adhesive containing a polyurethane prepolymer based on diphenylmethanediisocyanate

- **Dangerous components:**

1305-78-8	calcium oxide  Xi; R 41	5-10%
26761-40-0	diisodecyl phthalate	5-10%
64742-47-8	distillates (petroleum), light  Xn; R 65-66	2-6%
683-18-1	dibutyltin dichloride  T+,  C,  N; R 60-61-21-25-26-34-48/25-68-50/53	< 0.1%

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

3 Hazards identification

- **Hazard description:**



Xi Irritant

- **WHMIS classification**
 B3 - Combustible liquid
 D2B - Toxic material causing other toxic effects



(Contd. on page 2)

CDN

Material Safety Data Sheet

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Printing date 02/05/2010

Reviewed on 02/05/2010

Trade name: Sakrete Self-Leveling Polyurethane Sealant

(Contd. of page 1)

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

R 36 Irritating to eyes.

Contains isocyanates. See information supplied by the manufacturer.

· **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 = 2

Reactivity = 0

· **WHMIS-ratings (scale 0 - 4)**



Health = 1

Fire = 2

Reactivity = 0

4 First aid measures

· **General information:** Immediately remove any clothing soiled by the product.

· **After inhalation:**

Supply fresh air. If required, provide artificial respiration. Keep patient warm. Consult doctor if symptoms persist.

In case of unconsciousness place patient stably in side position for transportation.

· **After skin contact:** Immediately wash with water and soap and rinse thoroughly.

· **After eye contact:**

Rinse opened eye for several minutes under running water. Then consult a doctor.

· **The following symptoms may occur:**

Dizziness

Headache

Dizziness

Nausea

5 Fire fighting measures

· **Suitable extinguishing agents:**

Carbon dioxide

Foam

Fire-extinguishing powder

· **For safety reasons unsuitable extinguishing agents:** Water with full jet

· **Special hazards caused by the material, its products of combustion or resulting gases:**

In case of fire, the following can be released:

Carbon monoxide (CO)

Nitrogen oxides (NOx)

In certain fire conditions, traces of other toxic gases cannot be excluded, e.g.:

Hydrogen cyanide (HCN)

Isocyanates

· **Protective equipment:** Wear self-contained respiratory protective device.

6 Accidental release measures

· **Person-related safety precautions:**

Ensure adequate ventilation

Keep away from ignition sources

(Contd. on page 3)

Material Safety Data Sheet

acc. to ISO/DIS 11014

Printing date 02/05/2010

Reviewed on 02/05/2010

Trade name: Sakrete Self-Leveling Polyurethane Sealant

(Contd. of page 2)

- **Measures for environmental protection:**
Do not allow product to reach sewage system or any water course.
- **Measures for cleaning/collecting:**
Pick up mechanically.
Send for recovery or disposal in suitable receptacles.
Do not close them (reaction with water forming carbon dioxide)

7 Handling and storage

- **Handling:**
- **Information for safe handling:** Open and handle receptacle with care.
- **Information about protection against explosions and fires:**
Keep ignition sources away - Do not smoke.
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** Store in a cool location.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:** Protect from humidity and water.

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:**

26761-40-0 diisodecyl phthalate

EV 5 mg/m³

64742-47-8 distillates (petroleum), light

EL 200 mg/m³
Skin

- **Additional information:** The lists that were valid during the creation were used as basis.
- **Personal protective equipment:**
- **General protective and hygienic measures:**
Avoid close or long term contact with the skin.
Wash hands before breaks and at the end of work.
Do not eat, drink or smoke while working.
- **Breathing equipment:**
Use suitable respiratory protective device in case of insufficient ventilation.
Filter AB
- **Protection of hands:**
Nitrile rubber gloves
The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.
- **Eye protection:** Tightly sealed goggles
- **Body protection:** Protective work clothing

9 Physical and chemical properties

- **General Information**

Form:	Viscous
Color:	Grey
Odor:	Characteristic

(Contd. on page 4)

Material Safety Data Sheet

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Printing date 02/05/2010

Reviewed on 02/05/2010

Trade name: Sakrete Self-Leveling Polyurethane Sealant

(Contd. of page 3)

- | |
|--|
| · Change in condition
Melting point/Melting range: Undetermined.
Boiling point/Boiling range: > 190°C |
| · Flash point: > 70°C |
| · Ignition temperature: > 200°C |
| · Danger of explosion: Product is not explosive. However, formation of explosive air/vapor mixtures are possible. |
| · Explosion limits:
Lower: 0.6 Vol %
Upper: 7 Vol % |
| · Density at 20°C: 1.7 |
| · Solubility in / Miscibility with Water: Insoluble. |
| · Viscosity:
Dynamic at 20°C: 35 000 mPa.s |

10 Stability and reactivity

- **Thermal decomposition / conditions to be avoided:**
No decomposition if used according to specifications.
- **Materials to be avoided:**
- **Dangerous reactions**
Reacts with alcohols, amines, aqueous acids and alkalis.
Reacts with water forming carbon dioxide. Danger of receptacles bursting because of vapour overpressure.
- **Dangerous products of decomposition:** No dangerous decomposition products known.

11 Toxicological information

- **Acute toxicity:**
- **LD/LC50 values that are relevant for classification:**

683-18-1 dibutyltin dichloride

Oral	LD50	100 mg/kg (rat)
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- **Primary irritant effect:**
- **on the skin:** May be slightly irritant.
- **on the eye:** Irritating effect.

12 Ecological information

- **Ecotoxicological effects:**
- **Other information:** -
- **Additional ecological information:**
- **General notes:**
Water hazard class 1 (Self-assessment): slightly hazardous for water
Do not allow product to reach ground water, water course or sewage system.

CDN

(Contd. on page 5)

Material Safety Data Sheet

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Trade name: Sakrete Self-Leveling Polyurethane Sealant

(Contd. of page 4)

13 Disposal considerations

- **Product:**
- **Recommendation:**
Must be disposed of in an incinerator for hazardous waste according to official regulations.
- **Uncleaned packagings:**
- **Recommendation:** Disposal must be made according to official regulations.

14 Transport information

- **DOT regulations:**
- **Hazard class:** -
- **Remarks:** Not hazardous
- **TDG (Transport dangerous goods):**
- **TDG class:** -
- **Danger code (Kemler):** -
- **Remarks:** Not hazardous
- **Maritime transport IMDG:**
- **IMDG Class:** -
- **Marine pollutant:** No
- **Remarks:** Not hazardous
- **Air transport ICAO-TI and IATA-DGR:**
- **ICAO/IATA Class:** -
- **Propper shipping name:** Not regulated
- **Remarks:** Not hazardous.

15 Regulations

- **Sara**

- **Section 355 (extremely hazardous substances):**

None of the ingredient is listed.

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

98-88-4 benzoyl chloride

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

All ingredients are listed.

- **Proposition 65**

- **Chemicals known to cause cancer:**

None of the ingredients is listed.

- **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)**

101-68-8 diphenylmethane-4,4'-diisocyanate

CBD

(Contd. on page 6)

CDN

Material Safety Data Sheet

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Trade name: Sakrete Self-Leveling Polyurethane Sealant

(Contd. of page 5)

· IARC (International Agency for Research on Cancer)		
13463-67-7	titanium dioxide	2B
98-88-4	benzoyl chloride	2A
101-68-8	diphenylmethane-4,4'-diisocyanate	3
· NTP (National Toxicology Program)		
None of the ingredients is listed.		
· TLV (Threshold Limit Value established by ACGIH)		
13463-67-7	titanium dioxide	A4
98-88-4	benzoyl chloride	A4
683-18-1	dibutyltin dichloride	A4
· NIOSH-Ca (National Institute for Occupational Safety and Health)		
13463-67-7	titanium dioxide	
· OSHA-Ca (Occupational Safety & Health Administration)		
None of the ingredients is listed.		
· Canadian substance listings :		
· Canadian Domestic Substances list (DSL)		
All ingredients are listed.		
· Canadian Ingredient Disclosure list (limit 0.1 %)		
None of the ingredients is listed.		
· Canadian Ingredient Disclosure list (limit 1 %)		
1305-78-8	calcium oxide	

· **Product related hazard informations:**

The product has been classified and marked in accordance with EU Directives.

· **Hazard symbols:**



Xi Irritant

· **Risk phrases:**

36 Irritating to eyes.

· **Safety phrases:**

24 Avoid contact with skin.

· **Special labeling of certain preparations:**

Contains isocyanates. See information supplied by the manufacturer.

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.

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· **Department issuing MSDS:** Laboratory

· **In accordance with the international standard :**

ISO 11014-1

An asterisk in the margin of a paragraph means amendments in comparison to the former version.