Section 1 - PRODUCT AND COMPANY IDENTIFICATION

Material Name
SOUDASEAL AP

Chemical Family
Silyl-terminated polymer.

Product Use
sealant, adhesives

Restrictions on Use
None known.

Manufacturer Information
SOUDAL ACCUMETRIC
350 Ring Road,
Elizabethtown, KY 42701
Phone: 1-877-873-8739
Emergency Phone #: +1 800 424 9300
E-mail: info@soudalusa.com

Section 2 - HAZARDS IDENTIFICATION

Classification in accordance with paragraph (d) of 29 CFR 1910.1200.
Serious Eye Damage/Eye Irritation - Category 2A
Skin Sensitization - Category 1

GHS Label Elements
Symbol(s)

Signal Word
Warning

Hazard Statement(s)
Causes serious eye irritation
May cause allergic skin reaction

Precautionary Statement(s)
Prevention
Safety Data Sheet

Material Name: SOUDASEAL AP  SDS ID: SD-001

Wear eye protection/face protection
Avoid breathing dust/fume/gas/mist/vapours/spray
Wash thoroughly after handling
Contaminated work clothing must not be allowed out of the workplace
Wear protective gloves

Response
IF IN EYES: 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 ON SKIN: Wash with plenty of soap and water
If skin irritation or rash occurs: Get medical advice/attention
Wash contaminated clothing before reuse
Specific treatment (see label)

Storage
None needed according to classification criteria

Disposal
Dispose of contents/container in accordance with local/regional/national/international regulations

Section 3 - COMPOSITION / INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>CAS</th>
<th>Component Name</th>
<th>Percent</th>
</tr>
</thead>
<tbody>
<tr>
<td>471-34-1</td>
<td>Carbonic acid, calcium salt (1:1)</td>
<td>30-40</td>
</tr>
<tr>
<td>NA0001</td>
<td>Silyl Terminated Polyether</td>
<td>20-25</td>
</tr>
<tr>
<td>26761-40-0</td>
<td>Diisodecyl phthalate</td>
<td>20-30</td>
</tr>
<tr>
<td>1317-65-3</td>
<td>Limestone</td>
<td>10-15</td>
</tr>
<tr>
<td>13463-67-7</td>
<td>Titanium dioxide</td>
<td>1-5</td>
</tr>
<tr>
<td>NA0002</td>
<td>Micronised Wax</td>
<td>1-5</td>
</tr>
<tr>
<td>2768-02-7</td>
<td>Silane, ethenyltrimethoxy-</td>
<td>&lt;1</td>
</tr>
<tr>
<td>1760-24-3</td>
<td>N-[3-(Trimethoxysilyl)propyl]-1,2-ethanediamine</td>
<td>&lt;1</td>
</tr>
<tr>
<td>22673-19-4</td>
<td>Tin, dibutylbis(2,4-pentanedionato-O,O')-, (OC-6-11)-</td>
<td>&lt;1</td>
</tr>
</tbody>
</table>

Section 4 - FIRST AID MEASURES
Description of Necessary Measures
If exposed or concerned: Get medical advice/attention.

Inhalation
If INHALED: Remove person to fresh air and keep comfortable for breathing.

Skin
If ON SKIN: Wash with plenty of soap and water. If skin irritation or rash occurs: Get medical advice/attention.

Eyes
If IN EYES: 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.

Ingestion
If a large amount is swallowed, get medical attention.

Indication of any immediate medical attention and special treatment needed
Treat symptomatically and supportively.

Most Important Symptoms/Effects

Acute
Causes serious eye irritation.

Delayed
May cause allergic skin reaction.

---

Section 5 - FIRE FIGHTING MEASURES

Extinguishing Media

Suitable Extinguishing Media
Use carbon dioxide, regular dry chemical, regular foam or water.

Unsuitable Extinguishing Media
None known.

Special Hazards Arising from the Chemical
None known.

Hazardous Combustion Products
oxides of carbon, carbon monoxide, oxides of calcium

Special Protective Equipment and Precautions for Firefighters
Move container from fire area if it can be done without risk. Avoid inhalation of material or combustion by-products. Stay upwind and keep out of low areas. Dike for later disposal.

Fire Fighting Measures
Wear full protective fire fighting gear including self contained breathing apparatus (SCBA) for protection against possible exposure.

---

Section 6 - ACCIDENTAL RELEASE MEASURES
Personal Precautions, Protective Equipment and Emergency Procedures
Wear personal protective clothing and equipment, see Section 8. Avoid contact with skin and eyes. Wash contaminated clothing before reuse.

Methods and Materials for Containment and Cleaning Up
Keep unnecessary people away, isolate hazard area and deny entry. Only personnel trained for the hazards of this material should perform clean up and disposal. Use non-sparking tools and equipment.

Environmental Precautions
Collect spilled material using mechanical equipment. Keep out of water supplies and sewers.

Section 7 - HANDLING AND STORAGE

Precautions for Safe Handling
Avoid contact with skin and eyes. Provide adequate ventilation. Wash thoroughly after handling. Wear protective gloves and protective clothing. Use only outdoors or in a well-ventilated area. Always wear recommended personal protective equipment.

Conditions for Safe Storage, Including any Incompatibilities
None needed according to classification criteria
Store in a well-ventilated place. Keep container tightly closed. Store locked up. Store in a cool, dry place. Keep away from incompatible materials.

Incompatible Materials
oxidizing materials, bases, combustible materials, strong acids, strong bases

Section 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

Component Exposure Limits

<table>
<thead>
<tr>
<th></th>
<th>Carbonic acid, calcium salt (1:1)</th>
<th>NIOSH:</th>
<th>OSHA (US):</th>
<th>Mexico:</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>471-34-1</td>
<td>10 mg/m3TWA total dust; 5 mg/m3TWA respirable dust</td>
<td>15 mg/m3TWA total dust; 5 mg/m3TWA respirable fraction (related to Limestone)</td>
<td>10 mg/m3TWA LMPE-PPT (related to Limestone)</td>
</tr>
<tr>
<td>Limestone</td>
<td>1317-65-3</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>NIOSH:</td>
<td>10 mg/m3TWA total dust; 5 mg/m3TWA respirable dust</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>OSHA (US):</td>
<td>15 mg/m3TWA total dust; 5 mg/m3TWA respirable fraction</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Mexico:</td>
<td>10 mg/m3TWA LMPE-PPT</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
## Safety Data Sheet

<table>
<thead>
<tr>
<th>Material Name: SOUDASEAL AP</th>
<th>SDS ID: SD-001</th>
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</thead>
</table>

### inhalation concentration limits

<table>
<thead>
<tr>
<th>Material</th>
<th>ACGIH</th>
<th>NIOSH</th>
<th>OSHA (US)</th>
<th>Mexico</th>
</tr>
</thead>
<tbody>
<tr>
<td>Titanium dioxide</td>
<td>10 mg/m³ TWA</td>
<td>5000 mg/m³ IDLH</td>
<td>15 mg/m³ TWA total dust</td>
<td>10 mg/m³ TWA LMPE-PPT as Ti</td>
</tr>
<tr>
<td>Tin, dibutylbis(2,4-pentanedionato-O,O')-, (OC-6-11)-</td>
<td>20 mg/m³ STEL [LMPE-CT] as Ti</td>
<td>22673-19-4</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Biological limit value

There are no biological limit values for any of this product's components.

### Engineering Controls

Provide local exhaust ventilation system. Ensure compliance with applicable exposure limits.

### Individual Protection Measures, such as Personal Protective Equipment

#### Eye/face protection

Wear splash resistant safety goggles. Provide an emergency eye wash fountain and quick drench shower in the immediate work area.
Skin Protection
Wear appropriate chemical resistant clothing.

Respiratory Protection
A NIOSH approved air-purifying respirator with an appropriate cartridge or canister may be appropriate under certain circumstances where airborne concentrations are expected to exceed exposure limits.

Glove Recommendations
Wear appropriate chemical resistant gloves.

### Section 9 - PHYSICAL AND CHEMICAL PROPERTIES

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>paste</td>
<td>Physical State</td>
<td>Liquid</td>
</tr>
<tr>
<td>Odor</td>
<td>typical</td>
<td>Color</td>
<td>several</td>
</tr>
<tr>
<td>Odor Threshold</td>
<td>Not available</td>
<td>pH</td>
<td>Not available</td>
</tr>
<tr>
<td>Melting Point</td>
<td>Not available</td>
<td>Boiling Point</td>
<td>Not available</td>
</tr>
<tr>
<td>Freezing point</td>
<td>Not available</td>
<td>Evaporation Rate</td>
<td>Not available</td>
</tr>
<tr>
<td>Boiling Point Range</td>
<td>Not available</td>
<td>Flammability (solid, gas)</td>
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<tr>
<td>Autoignition</td>
<td>Not available</td>
<td>Flash Point</td>
<td>Not available</td>
</tr>
<tr>
<td>Lower Explosive Limit</td>
<td>Not available</td>
<td>Decomposition</td>
<td>Not available</td>
</tr>
<tr>
<td>Upper Explosive Limit</td>
<td>Not available</td>
<td>Vapor Pressure</td>
<td>Not available</td>
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<td>Vapor Density (air=1)</td>
<td>Not available</td>
<td>Specific Gravity (water=1)</td>
<td>Not available</td>
</tr>
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<td>Water Solubility</td>
<td>Insoluble</td>
<td>Partition coefficient: n-octanol/water</td>
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<tr>
<td>Viscosity</td>
<td>Not available</td>
<td>Solubility (Other)</td>
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<tr>
<td>Bulk Density</td>
<td>Not available</td>
<td>Density</td>
<td>1.6</td>
</tr>
<tr>
<td>Log KOW</td>
<td>Not available</td>
<td>Physical Form</td>
<td>paste</td>
</tr>
<tr>
<td>Volatility</td>
<td>Not available</td>
<td>OSHA Flammability Class</td>
<td>Not available</td>
</tr>
</tbody>
</table>

### Section 10 - STABILITY AND REACTIVITY

**Reactivity**
No hazard expected.

**Chemical Stability**
Stable under normal conditions of use.
Possibility of Hazardous Reactions
No hazard expected.

Conditions to Avoid
Avoid heat, flames, sparks and other sources of ignition. Avoid contact with incompatible materials.

Incompatible Materials
oxidizing materials, bases, combustible materials, strong acids, strong bases

Hazardous decomposition products
oxides of carbon, carbon monoxide, oxides of calcium

Section 11 - TOXICOLOGICAL INFORMATION

Information on Likely Routes of Exposure

Inhalation
No information on significant adverse effects.

Skin Contact
May cause allergic skin reaction.

Eye Contact
Causes serious eye irritation.

Ingestion
No information on significant adverse effects.

Acute and Chronic Toxicity

Component Analysis - LD50/LC50
The components of this material have been reviewed in various sources and the following selected endpoints are published:
Carbonic acid, calcium salt (1:1) (471-34-1)
Oral LD50Rat 6450 mg/kg
Diisodecyl phthalate (26761-40-0)
Oral LD50Rat 64 g/kg
Dermal LD50Rabbit >3160 mg/kg
Inhalation LC50Rat >12.54 mg/L 4 h
Titanium dioxide (13463-67-7)
Oral LD50Rat >10000 mg/kg

Immediate Effects
Causes serious eye irritation.

Delayed Effects
May cause allergic skin reaction.

Irritation/Corrosivity Data
Causes serious eye irritation.

Respiratory Sensitization
No data available.

Dermal Sensitization
Component Carcinogenicity

<table>
<thead>
<tr>
<th>Component</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Diisodecyl phthalate</td>
<td>26761-40-0</td>
</tr>
<tr>
<td>DFG:</td>
<td>Category 3B (could be carcinogenic for man)</td>
</tr>
<tr>
<td>Titanium dioxide</td>
<td>13463-67-7</td>
</tr>
<tr>
<td>ACGIH:</td>
<td>A4 - Not Classifiable as a Human Carcinogen</td>
</tr>
<tr>
<td>IARC:</td>
<td>Monograph 93 [2010]; Monograph 47 [1989](Group 2B (possibly carcinogenic to humans))</td>
</tr>
<tr>
<td>DFG:</td>
<td>Category 3A (could be carcinogenic for man, inhalable fraction with the exception of ultra small particles)</td>
</tr>
<tr>
<td>OSHA:</td>
<td>Present</td>
</tr>
<tr>
<td>Tin, dibutylbis(2,4-pentanedionato-O,O')-, (OC-6-11)-</td>
<td>22673-19-4</td>
</tr>
<tr>
<td>ACGIH:</td>
<td>A4 - Not Classifiable as a Human Carcinogen (related to Tin organic compounds)</td>
</tr>
</tbody>
</table>

Germ Cell Mutagenicity
No data available.

Reproductive Toxicity
No data available.

Specific Target Organ Toxicity - Single Exposure
eye.

Specific Target Organ Toxicity - Repeated Exposure
No information on significant adverse effects.

Aspiration hazard
No data available.

Medical Conditions Aggravated by Exposure
eye disorders, skin disorders

Section 12 - ECOLOGICAL INFORMATION

Component Analysis - Aquatic Toxicity

<table>
<thead>
<tr>
<th>Component</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Diisodecyl phthalate</td>
<td>26761-40-0</td>
</tr>
<tr>
<td>Fish:</td>
<td>LC50 96 h Lepomis macrochirus &gt;0.55 mg/L [static]; LC50 96 h Pimephales promelas &gt;1 mg/L [flow-through]</td>
</tr>
</tbody>
</table>
Section 13 - DISPOSAL CONSIDERATIONS

Disposal Methods
Dispose in accordance with all applicable federal, state/regional and local laws and regulations.

Section 14 - TRANSPORT INFORMATION

US DOT Information:
UN/NA #: Not Regulated

TDG Information:
UN#: Not Regulated

Section 15 - REGULATORY INFORMATION

U.S. Federal Regulations
None of this product’s components are listed under SARA Sections 302/304 (40 CFR 355 Appendix A), SARA Section 313 (40 CFR 372.65), CERCLA (40 CFR 302.4), TSCA 12(b), or require an OSHA process safety plan.

SARA Section 311/312 (40 CFR 370 Subparts B and C)
Acute Health: Yes Chronic Health: Yes Fire: No Pressure: No Reactivity: No

U.S. State Regulations
The following components appear on one or more of the following state hazardous substances lists:

<table>
<thead>
<tr>
<th>Component</th>
<th>CAS</th>
<th>CA</th>
<th>MA</th>
<th>MN</th>
<th>NJ</th>
<th>PA</th>
</tr>
</thead>
<tbody>
<tr>
<td>Carbonic acid, calcium salt (1:1)</td>
<td>471-34-1</td>
<td>No</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>Diisodecyl phthalate</td>
<td>26761-40-0</td>
<td>Yes</td>
<td>No</td>
<td>No</td>
<td>No</td>
<td>Yes</td>
</tr>
<tr>
<td>Limestone</td>
<td>1317-65-3</td>
<td>No</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>Titanium dioxide</td>
<td>13463-67-7</td>
<td>No</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>Tin, dibutylbis(2,4-pentanedionato-O,O')-,(OC-6-11)-</td>
<td>22673-19-4</td>
<td>Yes</td>
<td>No</td>
<td>Yes</td>
<td>No</td>
<td>No</td>
</tr>
</tbody>
</table>

The following statement(s) are provided under the California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65):
WARNING! This product contains a chemical known to the state of California to cause cancer
WARNING! This product contains a chemical known to the state of California to cause
reproductive/developmental effects

<table>
<thead>
<tr>
<th>Chemical</th>
<th>CAS Number</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Diisodecyl phthalate</td>
<td>26761-40-0</td>
<td></td>
</tr>
<tr>
<td>Repro/Dev. Tox</td>
<td></td>
<td>developmental toxicity , initial date 4/20/07</td>
</tr>
<tr>
<td>Titanium dioxide</td>
<td>13463-67-7</td>
<td></td>
</tr>
<tr>
<td>Carc:</td>
<td></td>
<td>carcinogen , initial date 9/2/11 (airborne, unbound particles of respirable size)</td>
</tr>
</tbody>
</table>

**Canadian WHMIS Ingredient Disclosure List (IDL)**

Components of this material have been checked against the Canadian WHMIS Ingredients Disclosure List. The List is composed of chemicals which must be identified on MSDSs if they are included in products which meet WHMIS criteria specified in the Controlled Products Regulations and are present above the threshold limits listed on the IDL.

<table>
<thead>
<tr>
<th>Chemical</th>
<th>CAS Number</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tin, dibutylbis(2,4-pentanedionato-O,O')-, (OC-6-11)-</td>
<td>22673-19-4</td>
<td>1 % (related to Tin compounds)</td>
</tr>
</tbody>
</table>

**WHMIS Classification**

D2B

**Component Analysis - Inventory**

Carbonic acid, calcium salt (1:1) (471-34-1)

<table>
<thead>
<tr>
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</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Yes</td>
<td>DSL</td>
<td>EIN</td>
<td>Yes</td>
<td>Yes</td>
<td>No</td>
<td>Yes</td>
<td>No</td>
<td>Yes</td>
<td>Yes</td>
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Diisodecyl phthalate (26761-40-0)

<table>
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<td>No</td>
<td>Yes</td>
<td>No</td>
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<td>Yes</td>
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Limestone (1317-65-3)

<table>
<thead>
<tr>
<th></th>
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<td>EIN</td>
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Titanium dioxide (13463-67-7)

<table>
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<td>No</td>
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<td>Yes</td>
<td>Yes</td>
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</table>
Silane, ethenyltrimethoxy- (2768-02-7)

<table>
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<tbody>
<tr>
<td></td>
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</table>

N-[3-(Trimethoxysilyl)propyl]-1,2-ethanediamine (1760-24-3)

<table>
<thead>
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</thead>
<tbody>
<tr>
<td></td>
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<td>DSL</td>
<td>EIN</td>
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</table>

Tin, dibutylbis(2,4-pentanedionato-O,O')- (OC-6-11)- (22673-19-4)

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<tbody>
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<td>DSL</td>
<td>EIN</td>
<td>Yes</td>
<td>Yes</td>
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<td>Yes</td>
<td>No</td>
<td>Yes</td>
<td>Yes</td>
<td>No</td>
</tr>
</tbody>
</table>

---

**Section 16 - OTHER INFORMATION**

**HMIS Rating**
Health: 3* Fire: 1 Reactivity: 0
Hazard Scale: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe * = Chronic hazard

**NFPA Ratings**
Health: 3 Fire: 1 Reactivity: 0
Hazard Scale: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe

**Key / Legend**
- ACGIH - American Conference of Governmental Industrial Hygienists; ADR - European Road Transport; AU - Australia; BOD - Biochemical Oxygen Demand; C - Celsius; CA - Canada; CAS - Chemical Abstracts Service; CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act; CLP - Classification, Labelling, and Packaging; CN - China; CPR - Controlled Products Regulations; DFG - Deutsche Forschungsgemeinschaft; DOT - Department of Transportation; DSD - Dangerous Substance Directive; DSL - Domestic Substances List; EEC - European Economic Community; EINECS - European Inventory of Existing Commercial Chemical Substances; EPA - Environmental Protection Agency; EU - European Union; F - Fahrenheit; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; ICAO - International Civil Aviation Organization; IDL - Ingredient Disclosure List; IDLH - Immediately Dangerous to Life and Health; IMDG - International Maritime Dangerous Goods; JP - Japan; Kow - Octanol/water partition coefficient; KR - Korea; LEL - Lower Explosive Limit; LLV - Level Limit Value; LOLI - List Of Lists™ - ChemADVISOR’s Regulatory Database; MAK - Maximum Concentration Value in the Workplace; MEL - Maximum Exposure Limits; NFPA - National Fire Protection Agency; NIOSH - National Institute
Other Information
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