

# Safety Data Sheet

Material Name: Soudal Metalbond

SDS ID: SD-006

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## Section 1 - PRODUCT AND COMPANY IDENTIFICATION

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**Material Name**

Soudal Metalbond

**Chemical Family**

Silyl-terminated polymer.

**Product Use**

Adhesive, sealant

**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

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## Section 2 - HAZARDS IDENTIFICATION

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**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**

Wear eye protection/face protection

Avoid breathing dust/fume/gas/mist/vapours/spray

Wash thoroughly after handling

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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

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## Section 3 - COMPOSITION / INFORMATION ON INGREDIENTS

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CAS	Component Name	Percent
1317-65-3	Limestone	60-65
NA1	Silyl Terminated Polyether	10-15
13463-67-7	Titanium dioxide(inbound in mixture)	1-5
471-34-1	Precipitated Calcium carbonate	1-5
1760-24-3	Aminoethyl aminopropyl trimethoxy silane	<1
26761-40-0	Diisodecyl phthalate	10 - 15
52829-07-9	Decanedioic acid, bis(2,2,6,6-tetramethyl-4-piperidiny) ester	<1
3864-99-1	Phenol, 2-(5-chloro-2H-benzotriazol-2-yl)-4,6-bis(1,1-dimethylethyl)-	<1
2768-02-7	Silane, ethenyltrimethoxy-	1 -5
22673-19-4	Tin, dibutylbis(2,4-pentanedionato-O,O')-, (OC-6-11)-	<1

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## Section 4 - FIRST AID MEASURES

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### 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 occurs: Get medical advice/attention. Take off contaminated clothing and wash before reuse. Specific treatment (see label).

### 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.

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## Section 5 - FIRE FIGHTING MEASURES

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### 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, oxides of calcium, carbon monoxide

### 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.

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## Section 6 - ACCIDENTAL RELEASE MEASURES

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## 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.

## Environmental Precautions

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

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## Section 7 - HANDLING AND STORAGE

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### Precautions for Safe Handling

Avoid contact with skin and eyes. Provide adequate ventilation. Wash thoroughly after handling. Wear protective gloves/clothing and eye/face protection.

### 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

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## Section 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

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### Component Exposure Limits

Limestone	1317-65-3
NIOSH:	10 mg/m <sup>3</sup> TWA total dust; 5 mg/m <sup>3</sup> TWA respirable dust
OSHA (US):	15 mg/m <sup>3</sup> TWA total dust; 5 mg/m <sup>3</sup> TWA respirable fraction
Mexico:	10 mg/m <sup>3</sup> TWA LMPE-PPT
	20 mg/m <sup>3</sup> STEL [LMPE-CT]
Titanium dioxide(inbound in mixture)	13463-67-7
ACGIH:	10 mg/m <sup>3</sup> TWA
NIOSH:	5000 mg/m <sup>3</sup> IDLH
OSHA (US):	15 mg/m <sup>3</sup> TWA total dust
Mexico:	10 mg/m <sup>3</sup> TWA LMPE-PPT as Ti

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	20 mg/m <sup>3</sup> STEL [LMPE-CT] as Ti
Precipitated Calcium carbonate	471-34-1
NIOSH:	10 mg/m <sup>3</sup> TWA total dust; 5 mg/m <sup>3</sup> TWA respirable dust

## 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.

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## Section 9 - PHYSICAL AND CHEMICAL PROPERTIES

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<b>Appearance</b>	Not available	<b>Physical State</b>	Solid
<b>Odor</b>	typical	<b>Color</b>	dark grey
<b>Odor Threshold</b>	(Not available)	<b>pH</b>	(Not available)
<b>Melting Point</b>	(Not available)	<b>Boiling Point</b>	(Not available)
<b>Freezing point</b>	Not available	<b>Evaporation Rate</b>	(Not available)
<b>Boiling Point Range</b>	Not available	<b>Flammability (solid, gas)</b>	Not available
<b>Autoignition</b>	[Not available]	<b>Flash Point</b>	Not available
<b>Lower Explosive Limit</b>	(Not available)	<b>Decomposition</b>	(Not available)
<b>Upper Explosive Limit</b>	(Not available)	<b>Vapor Pressure</b>	(Not available)
<b>Vapor Density (air=1)</b>	(Not available)	<b>Specific Gravity (water=1)</b>	Not available
<b>Water Solubility</b>	Insoluble	<b>Partition coefficient: n-octanol/water</b>	Not available
<b>Viscosity</b>	(Not available)	<b>Solubility (Other)</b>	Not available

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<b>Bulk Density</b>	Not available	<b>Density</b>	1.7
<b>Physical Form</b>	paste	<b>Volatility</b>	(Not available)
<b>OSHA Flammability Class</b>	Not available		

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## Section 10 - STABILITY AND REACTIVITY

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### Reactivity

No hazard expected.

### Chemical Stability

Stable under normal conditions of use.

### Possibility of Hazardous Reactions

No hazard expected.

### Conditions to Avoid

Avoid contact with incompatible materials.

### Incompatible Materials

oxidizing materials, bases, combustible materials, strong acids, strong bases

### Hazardous decomposition products

oxides of carbon, oxides of calcium, carbon monoxide

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## Section 11 - TOXICOLOGICAL INFORMATION

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### 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:

Titanium dioxide(inbound in mixture) (13463-67-7)

Oral LD50Rat >10000 mg/kg

Precipitated Calcium carbonate (471-34-1)

Oral LD50Rat 6450 mg/kg

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Diisodecyl phthalate (26761-40-0)  
Oral LD50Rat 64 g/kg  
Dermal LD50Rabbit >3160 mg/kg  
Inhalation LC50Rat >12.54 mg/L 4 h  
Decanedioic acid, bis(2,2,6,6-tetramethyl-4-piperidiny) ester (52829-07-9)  
Inhalation LC50Rat 500 mg/m<sup>3</sup> 4 h

## 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

May cause allergic skin reaction.

## Component Carcinogenicity

Titanium dioxide(inbound in mixture)	13463-67-7
ACGIH:	A4 - Not Classifiable as a Human Carcinogen
IARC:	Monograph 93 [2010]; Monograph 47 [1989](Group 2B (possibly carcinogenic to humans))
DFG:	Category 3A (could be carcinogenic for man, inhalable fraction with the exception of ultra small particles)
OSHA:	Present
Diisodecyl phthalate	26761-40-0
DFG:	Category 3B (could be carcinogenic for man)

## Germ Cell Mutagenicity

No data available.

## 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.

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## Medical Conditions Aggravated by Exposure

eye disorders, skin disorders

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## Section 12 - ECOLOGICAL INFORMATION

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### Component Analysis - Aquatic Toxicity

Diisodecyl phthalate	26761-40-0
Fish:	LC50 96 h <i>Lepomis macrochirus</i> >0.55 mg/L [static]; LC50 96 h <i>Pimephales promelas</i> >1 mg/L [flow-through]
Algae:	EC50 72 h <i>Desmodesmus subspicatus</i> >500 mg/L IUCLID; EC50 96 h <i>Pseudokirchneriella subcapitata</i> >0.8 mg/L [static] EPA
Invertebrate:	EC50 48 h <i>Daphnia magna</i> >0.02 mg/L [static] EPA

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## Section 13 - DISPOSAL CONSIDERATIONS

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### Disposal Methods

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

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## Section 14 - TRANSPORT INFORMATION

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### US DOT Information:

UN/NA #: Not Regulated

### TDG Information:

UN#: Not Regulated

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## Section 15 - REGULATORY INFORMATION

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### U.S. Federal Regulations

None of this products 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:

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Component	CAS	CA	MA	MN	NJ	PA
Limestone	1317-65-3	No	Yes	Yes	Yes	Yes
Titanium dioxide(inbound in mixture)	13463-67-7	No	Yes	Yes	Yes	Yes

**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

Titanium dioxide(inbound in mixture)	13463-67-7
Carc:	carcinogen , initial date 9/2/11 (airborne, unbound particles of respirable size)
Diisodecyl phthalate	26761-40-0
Repro/Dev. Tox	developmental toxicity , initial date 4/20/07

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

The components of this product are either not listed on the IDL or are present below the threshold limit listed on the IDL.

**WHMIS Classification**

D2B

**Component Analysis - Inventory**

Limestone (1317-65-3)

US	CA	EU	AU	PH	JP - ENCS	JP - ISHL	KR - KECI/KECL	KR - TCCA	CN	NZ	MX
Yes	NSL	EIN	Yes	Yes	Yes	No	Yes	No	Yes	Yes	Yes

Titanium dioxide(inbound in mixture) (13463-67-7)

US	CA	EU	AU	PH	JP - ENCS	JP - ISHL	KR - KECI/KECL	KR - TCCA	CN	NZ	MX
Yes	DSL	EIN	Yes	Yes	Yes	No	Yes	No	Yes	Yes	Yes

Precipitated Calcium carbonate (471-34-1)

US	CA	EU	AU	PH	JP - ENCS	JP - ISHL	KR - KECI/KECL	KR - TCCA	CN	NZ	MX
Yes	DSL	EIN	Yes	Yes	Yes	No	Yes	No	Yes	Yes	Yes

Aminoethyl aminopropyl trimethoxy silane (1760-24-3)

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US	CA	EU	AU	PH	JP - ENCS	JP - ISHL	KR - KECI/KECL	KR - TCCA	CN	NZ	MX
Yes	DSL	EIN	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes	No

Diisodecyl phthalate (26761-40-0)

US	CA	EU	AU	PH	JP - ENCS	JP - ISHL	KR - KECI/KECL	KR - TCCA	CN	NZ	MX
Yes	DSL	EIN	Yes	Yes	Yes	No	Yes	No	Yes	Yes	Yes

Decanedioic acid, bis(2,2,6,6-tetramethyl-4-piperidiny) ester (52829-07-9)

US	CA	EU	AU	PH	JP - ENCS	JP - ISHL	KR - KECI/KECL	KR - TCCA	CN	NZ	MX
Yes	DSL	EIN	Yes	Yes	Yes	No	Yes	No	Yes	Yes	Yes

Phenol, 2-(5-chloro-2H-benzotriazol-2-yl)-4,6-bis(1,1-dimethylethyl)- (3864-99-1)

US	CA	EU	AU	PH	JP - ENCS	JP - ISHL	KR - KECI/KECL	KR - TCCA	CN	NZ	MX
Yes	DSL	EIN	Yes	Yes	Yes	No	Yes	No	Yes	Yes	Yes

Silane, ethenyltrimethoxy- (2768-02-7)

US	CA	EU	AU	PH	JP - ENCS	JP - ISHL	KR - KECI/KECL	KR - TCCA	CN	NZ	MX
Yes	DSL	EIN	Yes	Yes	Yes	No	Yes	No	Yes	Yes	No

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

US	CA	EU	AU	PH	JP - ENCS	JP - ISHL	KR - KECI/KECL	KR - TCCA	CN	NZ	MX
Yes	DSL	EIN	Yes	Yes	Yes	No	Yes	No	Yes	Yes	No

## 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

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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 for Occupational Safety and Health; NJTSR - New Jersey Trade Secret Registry; NTP - National Toxicology Program; NZ - New Zealand; OSHA - Occupational Safety and Health Administration; PH - Philippines; RCRA - Resource Conservation and Recovery Act; REACH- Registration, Evaluation, Authorisation, and restriction of Chemicals; RID - European Rail Transport; SARA - Superfund Amendments and Reauthorization Act; STEL - Short-term Exposure Limit; TDG - Transportation of Dangerous Goods; TSCA - Toxic Substances Control Act; TWA - Time Weighted Average; UEL - Upper Explosive Limit; US - United States.

## Other Information

Reasonable care has been taken in the preparation of this information; however, the manufacturer makes no warranty whatsoever including the warranty of merchantability, expressed or implied, with respect to this information. The manufacturer makes no representations and assumes no liability for any direct, incidental, consequential, or other such damages resulting from its use or misuse.

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