



## SAFETY DATA SHEET METALSEAL 20

### SECTION 1: Identification of the substance/mixture and of the company/undertaking

#### 1.1. Product identifier

Product name METALSEAL 20

#### 1.2. Relevant identified uses of the substance or mixture and uses advised against

Identified uses Sprayable/Brushable Coating

#### 1.3. Details of the supplier of the safety data sheet

Supplier Liquasil Ltd  
Unit 3 Radway Industrial Estate  
Radway Road  
Solihull  
West Midlands  
B90 4NR  
0121 709 5352  
info@asbestoseal.com

#### 1.4. Emergency telephone number

Emergency telephone 0121 709 5352 (office hours only)

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

##### Classification

Physical hazards Not Classified  
Health hazards Skin Sens. 1 - H317 Asp. Tox. 1 - H304  
Environmental hazards Not Classified

#### 2.2. Label elements

##### Pictogram



Signal word Danger

Hazard statements H304 May be fatal if swallowed and enters airways.  
H317 May cause an allergic skin reaction.

Precautionary statements P331 Do NOT induce vomiting.  
P280 Wear protective gloves.  
P301 IF SWALLOWED:  
P313 Get medical advice/attention.

Supplemental label information EUH066 Repeated exposure may cause skin dryness or cracking.

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**Contains** HYDROCARBONS, C11-C14, isoalkanes, cyclics, <2% aromatics, METHYL-0,0',0"-BUTAN-2-ONE-TRIOXIMOSILANE

### 2.3. Other hazards

#### SECTION 3: Composition/information on ingredients

##### 3.2. Mixtures

<b>HYDROCARBONS, C11-C14, isoalkanes, cyclics, &lt;2% aromatics</b>	<b>10-30%</b>
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CAS number: —	EC number: 927-285-2
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##### Classification

Asp. Tox. 1 - H304

<b>METHYL-0,0',0"-BUTAN-2-ONE-TRIOXIMOSILANE</b>	<b>1-5%</b>
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CAS number: 22984-54-9	EC number: 245-366-4
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##### Classification

Eye Irrit. 2 - H319  
Skin Sens. 1 - H317  
STOT RE 2 - H373

<b>BUTANONE OXIME VINYLSILANE</b>	<b>&lt;1%</b>
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CAS number: 2224-33-1	EC number: 218-747-8
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##### Classification

Eye Dam. 1 - H318  
Skin Sens. 1 - H317  
STOT RE 2 - H373

<b>3-(2-AMINOETHYLAMINO)-PROPYLTRIMETHOXYSILANE</b>	<b>&lt;1%</b>
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CAS number: 1760-24-3	EC number: 217-164-6
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##### Classification

Acute Tox. 4 - H332  
Eye Dam. 1 - H318  
Skin Sens. 1 - H317

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

#### SECTION 4: First aid measures

##### 4.1. Description of first aid measures

**General information** In all cases of doubt, or if symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person.

**Inhalation** Move affected person to fresh air at once. Get medical attention if any discomfort continues.

**Ingestion** Rinse mouth thoroughly with water. DO NOT induce vomiting. Get medical attention immediately. Danger of aspiration.

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**Skin contact** Remove contaminated clothing. Wash skin thoroughly with soap and water. Get medical attention if any discomfort continues. In the event of any sensitisation symptoms developing, ensure further exposure is avoided.

**Eye contact** Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes. Continue to rinse for at least 15 minutes. Get medical attention if any discomfort continues.

### 4.2. Most important symptoms and effects, both acute and delayed

**Inhalation** Aspiration hazard if swallowed. Entry into the lungs following ingestion or vomiting may cause chemical pneumonitis.

**Ingestion** If swallowed accidentally, the product may enter the lungs due to its low viscosity and lead to the rapid development of very serious inhalation pulmonary lesions.

**Skin contact** Prolonged contact may cause redness, irritation and dry skin. May cause an allergic skin reaction.

**Eye contact** May cause temporary eye irritation.

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

#### **SECTION 5: Firefighting measures**

##### 5.1. Extinguishing media

**Suitable extinguishing media** Water spray. Foam, carbon dioxide or dry powder.

**Unsuitable extinguishing media** Do not use water jet as an extinguisher, as this will spread the fire.

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

**Specific hazards** No unusual fire or explosion hazards noted.

**Hazardous combustion products** Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours.

##### 5.3. Advice for firefighters

**Protective actions during firefighting** Avoid breathing fire gases or vapours. Keep up-wind to avoid fumes.

**Special protective equipment for firefighters** Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing.

#### **SECTION 6: Accidental release measures**

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

**Personal precautions** In case of spills, beware of slippery floors and surfaces. Wear appropriate protective clothing.

##### 6.2. Environmental precautions

**Environmental precautions** Do not discharge into drains or watercourses or onto the ground.

##### 6.3. Methods and material for containment and cleaning up

**Methods for cleaning up** Absorb in vermiculite, dry sand or earth and place into containers.

##### 6.4. Reference to other sections

**Reference to other sections** For personal protection, see Section 8. See Section 11 for additional information on health hazards. For waste disposal, see section 13.

#### **SECTION 7: Handling and storage**

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### 7.1. Precautions for safe handling

**Usage precautions** Avoid contact with eyes and prolonged skin contact. Provide adequate ventilation.

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

**Storage precautions** Store in tightly-closed, original container in a dry, cool and well-ventilated place.

**Storage class** Miscellaneous hazardous material storage.

### 7.3. Specific end use(s)

**Specific end use(s)** The identified uses for this product are detailed in Section 1.2.

**Usage description** Sprayable/Brushable Coating

## SECTION 8: Exposure Controls/personal protection

### 8.1. Control parameters

**Ingredient comments** No DNEL or PNEC values available.

### 8.2. Exposure controls

#### Protective equipment



#### Appropriate engineering controls

Provide adequate ventilation. In case of insufficient ventilation, wear suitable respiratory equipment.

#### Eye/face protection

Eyewear complying with an approved standard should be worn if a risk assessment indicates eye contact is possible. Personal protective equipment for eye and face protection should comply with European Standard EN166.

#### Hand protection

Use protective gloves. The most suitable glove should be chosen in consultation with the glove supplier/manufacturer, who can provide information about the breakthrough time of the glove material.

#### Hygiene measures

Wash hands at the end of each work shift and before eating, smoking and using the toilet. Wash promptly if skin becomes contaminated.

#### Respiratory protection

If ventilation is inadequate, suitable respiratory protection must be worn.

## SECTION 9: Physical and Chemical Properties

### 9.1. Information on basic physical and chemical properties

**Appearance** Viscous liquid.

**Colour** Various colours.

**Odour** Mild (or faint).

**Odour threshold** No data available.

**pH** Not applicable.

**Melting point** EC No.: 927-285-2: < -60°C

**Initial boiling point and range** EC No.: 927-285-2: >185 - <255°C @ 1013 hPa

**Flash point** EC No.: 927-285-2: 67°C CC (Closed cup).

**Evaporation rate** Not applicable.

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<b>Evaporation factor</b>	Not applicable.
<b>Upper/lower flammability or explosive limits</b>	Lower flammable/explosive limit: EC No.: 927-285-2: 0.5 % Upper flammable/explosive limit: EC No.: 927-285-2: 5 %
<b>Vapour pressure</b>	EC No.: 927-285-2: 0.035 kPa @ 20°C
<b>Vapour density</b>	No data available.
<b>Relative density</b>	~ 1.0 @ 20°C
<b>Solubility(ies)</b>	Insoluble in water.
<b>Partition coefficient</b>	Not applicable.
<b>Auto-ignition temperature</b>	EC No.: 927-285-2: 232°C
<b>Decomposition Temperature</b>	Not determined.
<b>Viscosity</b>	<300 P @ 20°C
<b>Explosive properties</b>	Not applicable.
<b>Oxidising properties</b>	The mixture itself has not been tested but none of the ingredient substances meet the criteria for classification as oxidising.

**9.2. Other information**

**Other information** Not known.

**SECTION 10: Stability and reactivity****10.1. Reactivity**

**Reactivity** There are no known reactivity hazards associated with this product.

**10.2. Chemical stability**

**Stability** Stable at normal ambient temperatures.

**10.3. Possibility of hazardous reactions**

**Possibility of hazardous reactions** Will not polymerise.

**10.4. Conditions to avoid**

**Conditions to avoid** Avoid excessive heat for prolonged periods of time.

**10.5. Incompatible materials**

**Materials to avoid** Strong oxidising agents. Strong acids.

**10.6. Hazardous decomposition products**

**Hazardous decomposition products** Does not decompose when used and stored as recommended. Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours.

**SECTION 11: Toxicological information****11.1. Information on toxicological effects**

**Toxicological effects** There are no data available on this product.

**Skin corrosion/irritation**

**Animal data** Based on available data the classification criteria are not met.

**Serious eye damage/irritation**

**Serious eye damage/irritation** Based on available data the classification criteria are not met.

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### Skin sensitisation

**Skin sensitisation** The product contains small amounts of sensitising substances which may cause an allergic reaction in sensitive individuals.

### Germ cell mutagenicity

**Genotoxicity - in vitro** Does not contain any substances known to be mutagenic.

### Carcinogenicity

**Carcinogenicity** Does not contain any substances known to be carcinogenic.

### Reproductive toxicity

**Reproductive toxicity - fertility** Does not contain any substances known to be toxic to reproduction.

### Specific target organ toxicity - single exposure

**STOT - single exposure** Not classified as a specific target organ toxicant after a single exposure.

### Specific target organ toxicity - repeated exposure

**STOT - repeated exposure** Not classified as a specific target organ toxicant after repeated exposure.

### Aspiration hazard

**Aspiration hazard** The product is classified as having an aspiration hazard.

### **Inhalation**

May cause lung injury. Aspiration hazard if swallowed. Entry into the lungs following ingestion or vomiting may cause chemical pneumonitis.

### **Ingestion**

Harmful: may cause lung damage if swallowed.

### **Skin contact**

May cause skin sensitisation or allergic reactions in sensitive individuals. Prolonged contact may cause dryness of the skin.

### **Eye contact**

May cause temporary eye irritation.

### **Medical considerations**

Skin disorders and allergies.

### Toxicological information on ingredients.

#### HYDROCARBONS, C11-C14, isoalkanes, cyclics, <2% aromatics

#### Acute toxicity - oral

**Notes (oral LD<sub>50</sub>)** LD<sub>50</sub> >15000 mg/kg, Oral, Rat

#### Acute toxicity - dermal

**Notes (dermal LD<sub>50</sub>)** LD<sub>50</sub> >= 3160 mg/kg, Dermal, Rabbit

#### Acute toxicity - inhalation

**Notes (inhalation LC<sub>50</sub>)** LC50 > 4951 mg/l/4hr/day, Inhalation, Rat

#### Skin corrosion/irritation

**Animal data** Not irritating.

#### Serious eye damage/irritation

**Serious eye damage/irritation** Not irritating.

#### Skin sensitisation

**Skin sensitisation** Not sensitising.

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### Germ cell mutagenicity

**Genotoxicity - in vitro**            Negative.

**Genotoxicity - in vivo**            Negative.

### Specific target organ toxicity - repeated exposure

**STOT - repeated exposure**    NOAEL >5000 mg/kg, Oral, Rat

### Aspiration hazard

**Aspiration hazard**                Aspiration hazard if swallowed.

## SECTION 12: Ecological Information

**Ecotoxicity**                            Not regarded as dangerous for the environment.

### 12.1. Toxicity

**Toxicity**                                There are no data for the product.

### Ecological information on ingredients.

#### HYDROCARBONS, C11-C14, isoalkanes, cyclics, <2% aromatics

**Acute toxicity - fish**                LL<sub>50</sub>, 96 hours: >1000 mg/l, Onchorhynchus mykiss (Rainbow trout)

**Acute toxicity - aquatic invertebrates**    LL<sub>50</sub>, 48 hours: >1000 mg/l, Daphnia magna

**Acute toxicity - aquatic plants**            EL<sub>50</sub>, 72 hours: >1000 mg/l, Pseudokirchneriella subcapitata

**Acute toxicity - microorganisms**            EL<sub>50</sub>, 48 hours: >1000 mg/l, Bacteria

**Chronic toxicity - fish early life stage**    NOELR, 28 days: 0.103 mg/l, Onchorhynchus mykiss (Rainbow trout)

**Chronic toxicity - aquatic invertebrates**    NOELR, 21 days: 1.0 mg/l, Daphnia magna

### 12.2. Persistence and degradability

**Persistence and degradability**    The product is not readily biodegradable.

### Ecological information on ingredients.

#### HYDROCARBONS, C11-C14, isoalkanes, cyclics, <2% aromatics

**Biodegradation**                        Water - Degradation 77.6%: 28 days

### 12.3. Bioaccumulative potential

**Bioaccumulative potential**            No data available on bioaccumulation.

**Partition coefficient**                Not applicable.

### 12.4. Mobility in soil

**Mobility**                                The product is insoluble in water.

### Ecological information on ingredients.

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### HYDROCARBONS, C11-C14, isoalkanes, cyclics, <2% aromatics

Surface tension 26 mN/m @ 25°C

#### 12.5. Results of PBT and vPvB assessment

**Results of PBT and vPvB assessment** This product does not contain any substances classified as PBT or vPvB.

#### 12.6. Other adverse effects

**Other adverse effects** None known.

### **SECTION 13: Disposal considerations**

#### 13.1. Waste treatment methods

**General information** When handling waste, the safety precautions applying to handling of the product should be considered.

**Disposal methods** Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

**Waste class** HP5 STOT / Aspiration toxicity HP13 Sensitising Recommended EWC Code 08 04 09\*

### **SECTION 14: Transport information**

**General** The product is not covered by international regulations on the transport of dangerous goods (IMDG, IATA, ADR/RID).

#### 14.1. UN number

Not applicable.

#### 14.2. UN proper shipping name

Not applicable.

#### 14.3. Transport hazard class(es)

No transport warning sign required.

#### 14.4. Packing group

Not applicable.

#### 14.5. Environmental hazards

**Environmentally hazardous substance/marine pollutant**

No.

#### 14.6. Special precautions for user

Not applicable.

#### 14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

**Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code** Not applicable.

### **SECTION 15: Regulatory information**

#### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture



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**EU legislation** Regulation (EC) 1907/2006 REACH.  
Regulation (EC) 1272/2008 CLP.

**Guidance** Workplace Exposure Limits EH40.

### **15.2. Chemical safety assessment**

No chemical safety assessment has been carried out.

### **SECTION 16: Other information**

**Revision comments** Product name change.

**Revision date** 03/09/2015

**SDS number** 20337

**Hazard statements in full** H304 May be fatal if swallowed and enters airways.  
H317 May cause an allergic skin reaction.  
H318 Causes serious eye damage.  
H319 Causes serious eye irritation.  
H332 Harmful if inhaled.  
H373 May cause damage to organs (Blood) through prolonged or repeated exposure if swallowed.

This 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. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty, guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.