Section 1
Identification of the substance / mixture and of the company / undertaking

1.1 Product identifier
Trade name: Solumastik®
Other means of identification: No other identifiers

1.2 Relevant identified uses of the substance or mixture and uses advised against
Application of the substance / the mixture: Adhesives
Uses advised against: No further relevant information available

1.3 Details of the supplier of the Safety Data Sheet
Manufacturer/Supplier:
Cosentino S.A.U.
Ctra. A334 Baza-Huércal Overa, km 59
04850 Cantoria (Almería) - Spain
Phone: +34 950 444 175
E-mail: info@cosentino.com
Website: www.cosentino.com

1.4 Emergency telephone number
Chemtel worldwide: +1-813-248-0585 / United States
1-800-255-3924 (toll free) / Australia: 1-300-954-583
China: 400-120-0751 / India: 000-800-100-4086
Mexico: 01-800-099-0731 / Brazil: 0-800-591-6042
Section 2
Hazards identification

2.1 Classification of the substance or mixture
Classification according to Regulation (EC) No 1272/2008

Flam. Liq. 3 H226 Flammable liquid and vapour.
Skin Irrit. 2 H315 Causes skin irritation.
Eye Irrit. 2 H319 Causes serious eye irritation.
Repr. 2 H361d Suspected of damaging the unborn child.
STOT RE 1 H372 Causes damage to the hearing organs through prolonged or repeated exposure. Route of exposure: Inhalation.

2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008
The product is classified and labelled according to the CLP regulation.

Hazard pictograms

- GHS02
- GHS07
- GHS08

Signal word: Danger.

Hazard-determining components of labelling: Styrene.

Hazard statements

H226 Flammable liquid and vapour.
H315 Causes skin irritation.
H319 Causes serious eye irritation.
H361d Suspected of damaging the unborn child.
H372 Causes damage to the hearing organs through prolonged or repeated exposure. Route of exposure: Inhalation.

Precautionary statements:
P202 Do not handle until all safety precautions have been read and understood.
P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P250 Do not breathe mist/vapours/spray.
P280 Wear protective gloves/protective clothing/eye protection.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P370+P378 In case of fire: Use foam, powder, or carbon dioxide for extinction.
P403+P235 Store in a well-ventilated place. Keep cool.

P235 Store in a well-ventilated place. Keep cool.

2.2 Other hazards

There are no other hazards not otherwise classified that have been identified.

Results of PBT and vPvB assessment
PBT: Not applicable.
vPvB: Not applicable.

Section 3
Composition / information on ingredients

3.2 Mixtures

Components

<table>
<thead>
<tr>
<th>Component</th>
<th>CAS:</th>
<th>EINECS:</th>
<th>Index number:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Styrene</td>
<td>100-42-5</td>
<td>202-851-5</td>
<td>601-026-00-0</td>
</tr>
</tbody>
</table>

Additional information
For the wording of the listed Hazard Statements refer to section 16.

Section 4
First aid measures

4.1 Description of first aid measures

After inhalation:
Supply fresh air; consult doctor in case of complaints.
Provide oxygen treatment if affected person has difficulty breathing.
In case of irregular breathing or respiratory arrest provide artificial respiration.

After skin contact:
Immediately remove any clothing soiled by the product.
Immediately wash with water and soap and rinse thoroughly.
If skin irritation continues, consult a doctor.
Safety Datasheet according to 1907/2006/EC

SOLUMASTIK

After eye contact:
Remove contact lenses if worn.
Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

After swallowing:
Rinse out mouth and then drink plenty of water.
Do not induce vomiting; call for medical help immediately.

4.2 Most important symptoms and effects, both acute and delayed
Irritant to skin and mucous membranes. Causes eye irritation.
Gastric or intestinal disorders when ingested.
Nausea in case of ingestion.

Hazards: Causes damage to the hearing organs through prolonged or repeated exposure. Route of exposure: Inhalation.
Suspected of damaging the unborn child.

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

Section 5
Firefighting measures

5.1 Extinguishing media
Suitable extinguishing agents:
Foam
Carbon dioxide
Fire-extinguishing powder.

For safety reasons unsuitable extinguishing agents:
Water

5.2 Special hazards arising from the substance or mixture
Formation of toxic gases is possible during heating or in case of fire.

5.3 Advice for firefighters
Protective equipment:
Wear self-contained respiratory protective device.
Wear fully protective suit.

Additional information:
Eliminate all ignition sources if safe to do so.

Section 6
Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures
Use respiratory protective device against the effects of fumes/dust/aerosol. Wear protective equipment. Keep unprotected persons away.
Ensure adequate ventilation. Keep away from ignition sources. Protect from heat.

6.2 Environmental precautions
Avoid release to the environment.

6.3 Methods and material for containment and cleaning up
Absorb with non-combustible liquid-binding material (sand, diatomite, acid binders, universal binders).
Send for recovery or disposal in suitable receptacles.

6.4 Reference to other sections
See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

Section 7
Handling and storage

7.1 Precautions for safe handling
Avoid splashes or spray in enclosed areas.
Use only in well ventilated areas.
Open and handle receptacle with care.
Avoid contact with the eyes and skin.

Information about fire - and explosion protection:
Keep ignition sources away - Do not smoke.
Protect against electrostatic charges.
Flammable liquid and vapour.
Flammable gas-air mixtures may form in empty receptacles.

7.2 Conditions for safe storage, including any incompatibilities
Requirements to be met by storerooms and receptacles:
Keep away from the light between 15° C - 25° C or 59° F - 77° F. Avoid the contact between hardener and metal packages or other metallic items, under these conditions, the life of the product is 12 months.

Information about storage in one common storage facility:
Store away from foodstuffs.
Store away from oxidising agents.

7.3 Specific end use(s)
No further relevant information available.

Section 8
Exposure controls / personal protection

8.1 Control parameters
Ingredients with limit values that require monitoring at the workplace:

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<thead>
<tr>
<th></th>
<th>Short-term value: 1080</th>
<th>Long-term value: 430</th>
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<tbody>
<tr>
<td>WEL (Great Britain)</td>
<td>100 mg/m3, 250 ppm</td>
<td>400 mg/m3, 100 ppm</td>
</tr>
<tr>
<td>OEL (Ireland)</td>
<td>170 mg/m3, 40 ppm</td>
<td>85 mg/m3, 20 ppm</td>
</tr>
</tbody>
</table>

DNELs: No further relevant information available.
PNECs: No further relevant information available.

8.2 Exposure controls
General protective and hygienic measures:
The usual precautionary measures are to be adhered to when handling chemicals.
Keep away from foodstuffs, beverages and feed.
Immediately remove all soiled and contaminated clothing.
Wash hands before breaks and at the end of work.
Do not inhale gases / fumes / aerosols.
Avoid contact with the eyes and skin.
Pregnant women should strictly avoid inhalation or skin contact.

Respiratory protection:
Wear appropriate NIOSH or EU approved respirator when ventilation is inadequate and occupational exposure limits are exceeded.

Protection of hands:

The glove material has to be impermeable and resistant to the product / the substance / the preparation.

Eye protection:

Body protection:
Protective work clothing

Limitation and supervision of exposure into the environment:
No further relevant information available.

Risk management measures:
No further relevant information available.

Section 9
Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance
Form: Viscous Liquid
Colour: According to product specification
Odour: Characteristic
Odour threshold: Not determined
pH-value: Not determined.

Melting point/freezing point: Not determined
Initial boiling point and boiling range: 145 °C
Flash point: 32 °C
Flammability (solid, gas): Not applicable
Auto/Self-ignition temperature: 490 °C
Decomposition temperature: Not determined
Explosive properties: Product is not explosive. However, formation of explosive air / vapour mixtures are possible.

Explosion limits
Lower: Not determined.
Upper: Not determined.

Oxidising properties: Non-oxidising.

Vapour pressure: Not determined.

Density
Relative density at 20 °C: 1.601
Vapour density: Not determined.
Evaporation rate: Not determined.
Solubility in / Miscibility with water: Not miscible or difficult to mix.
Partition coefficient: n-octanol / water: Not determined.

Viscosity
Dynamic at 20 °C: 22000-28000 cP
Kinematic at 40 °C: >20.5 cSt

9.2 Other information
No further relevant information available
Section 10
Stability and reactivity

10.1 Reactivity
No further relevant information available.

10.2 Chemical stability
Stable under normal temperatures and pressures.

Thermal decomposition / conditions to be avoided:
No decomposition if used and stored according to specifications.

10.3 Possibility of hazardous reactions
Flammable liquid and vapour.
Reacts with strong oxidising agents.
Reacts with strong acids and alkali.
Can form explosive mixtures in air if heated above flash point and/or when sprayed or atomised.

10.4 Conditions to avoid
Excessive heat.

10.5 Incompatible materials
Oxidisers
Strong acids.

10.6 Hazardous decomposition products
Under fire conditions only:
Carbon monoxide and carbon dioxide

Section 11
Toxicological information

11.1 Information on toxicological effects
Acute toxicity: Based on available data, the classification criteria are not met.

LD/LC50 values relevant for classification:

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>100-42-5</td>
<td>Styrene</td>
</tr>
<tr>
<td>Oral</td>
<td>LD50</td>
</tr>
<tr>
<td>Inhalative</td>
<td>LC50/4h</td>
</tr>
</tbody>
</table>

Primary irritant effect
Skin corrosion/irritation:
Causes skin irritation.

Serious eye damage/irritation:
Causes serious eye irritation.

Respiratory or skin sensitisation:
Based on available data, the classification criteria are not met.

IARC (International Agency for Research on Cancer):

| 100-42-5 | Styrene | 2B     |

Probable routes of exposure:
Ingestion. Inhalation. Eye contact. Skin contact.

Germ cell mutagenicity: Based on available data, the classification criteria are not met.

Carcinogenicity: Based on available data, the classification criteria are not met.

Reproductive toxicity: Suspected of damaging the unborn child.

STOT-single exposure: Based on available data, the classification criteria are not met.

STOT-repeated exposure: Causes damage to the hearing organs through prolonged or repeated exposure. Route of exposure: Inhalation.

Aspiration hazard: Based on available data, the classification criteria are not met.

Section 12
Ecological information

12.1 Toxicity
Aquatic toxicity: No further relevant information available.

12.2 Persistence and degradability
No further relevant information available.

12.3 Bioaccumulative potential
No further relevant information available.

12.4 Mobility in soil
No further relevant information available.

Additional ecological information:
General notes: Avoid transfer into the environment.

12.5 Results of PBT and vPvB assessment
PBT: Not applicable.
vPvB: Not applicable.

12.6 Other adverse effects
No further relevant information available.

Section 13
Disposal considerations

13.1 Waste treatment methods
Recommendation:
The user of this material has the responsibility to dispose of unused material, residues and containers in compliance with all relevant local, state and federal laws and regulations regarding treatment, storage and disposal for hazardous and nonhazardous wastes.

Uncleaned packaging:
Recommendation: Disposal must be made according to official regulations.

Section 14
Transport information

14.1 UN-Number
DOT, ADR/RID/ADN, IMDG, IATA UN1866

14.2 UN proper shipping name
DOT, IATA Resin solution
ADR/RID/ADN, IMDG RESIN SOLUTION

14.3 Transport hazard class(es)

<table>
<thead>
<tr>
<th>DOT</th>
<th>ADR/RID/ADN</th>
<th>IMDG/IATA</th>
</tr>
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<tbody>
<tr>
<td>Class 3</td>
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<td>Class 3</td>
</tr>
<tr>
<td>Label 3</td>
<td>Label 3</td>
<td>Label 3</td>
</tr>
</tbody>
</table>

14.4 Packing group
DOT, ADR/RID/ADN, IMDG, IATA III

14.5 Environmental hazards:
Marine pollutant: No

14.6 Special precautions for user
Danger code (Kemler): Warning: Flammable liquids. 30
EMS Number: F-E, S-E

14.7 Transport in bulk according to Annex II of Marpol and the IBC Code
Not applicable.

Transport/Additional information:

DOT
Limited Quantity for packages less than 30kg gross and inner packagings less than 5 L each.

ADR/RID/ADN
Limited Quantity for packages less than 30 kg gross and inner packagings less than 5 L each.

IMDG
Limited Quantity for packages less than 30kg gross and inner packagings less than 5 L each.

IATA
Limited Quantity for packages less than 30kg gross and inner packagings less than 5 L each / 10 L net.

Section 15
Regulatory information

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

IARC (International Agency for Research on Cancer)

| 100-42-5 | Styrene | 2B |

Directive 2012/18/EU
Named dangerous substances - ANNEX I
None of the ingredients are listed.

Other regulations, limitations and prohibitive regulations

Substances of very high concern (SVHC) according to REACH, Article 57
None of the ingredients are listed.
15.2 Chemical safety assessment:

A Chemical Safety Assessment has not been carried out.

Section 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.

Relevant phrases
H226 Flammable liquid and vapour.
H315 Causes skin irritation.
H319 Causes serious eye irritation.
H332 Harmful if inhaled.
H361d Suspected of damaging the unborn child.
H372 Causes damage to the hearing organs through prolonged or repeated exposure. Route of exposure: Inhalation.

Abbreviations and acronyms
ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road
IMDG: International Maritime Code for Dangerous Goods
DOT: US Department of Transportation
IATA: International Air Transport Association
GHS: Globally Harmonised System of Classification and Labelling of Chemicals
EINECS: European Inventory of Existing Commercial Chemical Substances
ELINCS: European List of Notified Chemical Substances
CAS: Chemical Abstracts Service (division of the American Chemical Society)
DNEL: Derived No-Effect Level (REACH)
PNEC: Predicted No-Effect Concentration (REACH)
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent
PBT: Persistent, Bio-accumulable, Toxic
SVHC: Substances of Very High Concern
vPvB: very Persistent and very Bioaccumulative
Flam. Liq. 3: Flammable liquids – Category 3
Acute Tox. 4: Acute toxicity – Category 4
Skin Irrit. 2: Skin corrosion/irritation – Category 2
Eye Irrit. 2: Serious eye damage/eye irritation – Category 2
Repr. 2: Reproductive toxicity – Category 2
STOT RE 1: Specific target organ toxicity (repeated exposure) – Category 1

Sources
Website, European Chemicals Agency (echa.europa.eu)
Website, US EPA Substance Registry Services (ofmpub.epa.gov/sor/internet/registry/substreg/home/overview/home.do)
Website, Chemical Abstracts Registry, American Chemical Society (www.cas.org)
Safety Data Sheets, Individual Manufacturers