

SS 4044P - bottle (50cl-423g)

# SAFETY DATA SHEET

Conforms to Regulation (EC) No. 1907/2006 (REACH), Annex II, as amended by Regulation (EU) No. 2015/830

**SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1 Product identifier****Product name:** SS 4044P - bottle (50cl-423g)**Additional identification****1.2 Relevant identified uses of the substance or mixture and uses advised against****Identified uses:** Primer**Uses advised against:** Not known.**1.3 Details of the supplier of the safety data sheet**

**Manufacturer/Importer/Distributor Information** : Momentive Performance Materials  
B-3, Sipcot Industrial Growth Center,  
Oragadam, Sriperumbudur  
IN - Kancheepuram Dist - 602105

**Contact person** : MomentiveEMEA.productsteward@momentive.com

**Telephone** : General information  
00800.4321.1000 (Customer Service Centre)

**Emergency telephone number** : Europe, Israel & All other: +44 (0) 1235239670; Middle East: +44 (0) 1235239671

**SECTION 2: Hazards identification****2.1 Classification of the substance or mixture**

The product has been classified according to the legislation in force.

**Classification according to Regulation (EC) No 1272/2008 as amended.****Physical Hazards**

|                   |            |                                          |
|-------------------|------------|------------------------------------------|
| Flammable liquids | Category 2 | H225: Highly flammable liquid and vapor. |
|-------------------|------------|------------------------------------------|

**Health Hazards**

|                                                    |                           |                                                                                  |
|----------------------------------------------------|---------------------------|----------------------------------------------------------------------------------|
| Acute toxicity (Dermal)                            | Category 4 <sup>1</sup> . | H312: Harmful in contact with skin.                                              |
| Acute toxicity (Inhalation - vapor)                | Category 4 <sup>2</sup> . | H332: Harmful if inhaled.                                                        |
| Skin irritation                                    | Category 2 <sup>3</sup> . | H315: Causes skin irritation.                                                    |
| Serious eye irritation                             | Category 2 <sup>4</sup> . | H319: Causes serious eye irritation.                                             |
| Specific Target Organ Toxicity - Single Exposure   | Category 3 <sup>5</sup> . | H336: May cause drowsiness or dizziness. H335: May cause respiratory irritation. |
| Specific Target Organ Toxicity - Repeated Exposure | Category 2 <sup>6</sup> . | H373: May cause damage to organs through prolonged or repeated exposure.         |

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Aspiration Hazard

Category 1<sup>7</sup>

H304: May be fatal if swallowed and enters airways.

**Target Organs**

1. Liver, Kidney

**2.2 Label Elements**

**Contains:**

Acetone  
2-Propanol  
Xylene  
Ethylbenzene  
Tetraethyl Silicate, Tetraethoxysilane



**Signal Words:**

Danger

**Hazard Statement(s):**

H225: Highly flammable liquid and vapor.  
H304: May be fatal if swallowed and enters airways.  
H312: Harmful in contact with skin.  
H315: Causes skin irritation.  
H319: Causes serious eye irritation.  
H332: Harmful if inhaled.  
H335: May cause respiratory irritation.  
H336: May cause drowsiness or dizziness.  
H373: May cause damage to organs through prolonged or repeated exposure.

**Precautionary Statements**

**Prevention:**

P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
P233: Keep container tightly closed.  
P260: Do not breathe dust/fume/gas/mist/vapors/spray.  
P280: Wear protective gloves/protective clothing/eye protection/face protection.

**Response:**

P301+P310: IF SWALLOWED: Immediately call a POISON CENTER/doctor.  
P331: Do NOT induce vomiting.  
P304+P312: IF INHALED: Call a POISON CENTER or doctor/physician if you feel unwell.  
P340: Remove person to fresh air and keep comfortable for breathing.  
P337+P313: If eye irritation persists: Get medical advice/attention.  
P370+P378: In case of fire: Use to extinguish.

**Supplemental label information**

EUH066: Repeated exposure may cause skin dryness or cracking.

**Unknown toxicity - Health**

|                                          |        |
|------------------------------------------|--------|
| Acute toxicity, oral                     | 1,79 % |
| Acute toxicity, dermal                   | 1,79 % |
| Acute toxicity, inhalation, vapor        | 1,79 % |
| Acute toxicity, inhalation, dust or mist | 1,79 % |

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**Additional Information:** No data available.

**2.3 Other hazards** No data available.

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

**Chemical nature:** Silicone resin in solvent(s)

**3.2 Mixtures**

**General information:** No data available.

| Chemical name                          | Concentration | CAS-No.   | EC No.    | REACH Registration No. | M-Factor:          | Notes |
|----------------------------------------|---------------|-----------|-----------|------------------------|--------------------|-------|
| Acetone                                | 20 - <50%     | 67-64-1   | 200-662-2 | 01-2119471330-49-XXXX  | No data available. | #     |
| 2-Propanol                             | 20 - <50%     | 67-63-0   | 200-661-7 | 01-2119457558-25-XXXX  | No data available. | #     |
| Xylene                                 | 10 - <20%     | 1330-20-7 | 215-535-7 | 01-2119488216-32-XXXX  | No data available. | #     |
| Ethylbenzene                           | 5 - <10%      | 100-41-4  | 202-849-4 | 01-2119489370-XXXX     | No data available. | #     |
| Tetraethyl Silicate, Tetraethoxysilane | 1 - <5%       | 78-10-4   | 201-083-8 | 01-2119496195-28-0002  | No data available. |       |
| n-BUTANOL                              | 1 - <3%       | 71-36-3   | 200-751-6 | 01-2119484630-XXXX     | No data available. | #     |

\* All concentrations are percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

# # This substance has workplace exposure limit(s).

PBT: persistent, bioaccumulative and toxic substance.

vPvB: very persistent and very bioaccumulative substance.

**Classification**

| Chemical name | Classification                                                            | Notes              |
|---------------|---------------------------------------------------------------------------|--------------------|
| Acetone       | Flam. Liq.: 2: H225 Eye Irrit.: 2: H319STOT SE: 3: H336No data available. | No data available. |
| 2-Propanol    | Flam. Liq.: 2: H225 Eye Irrit.: 2: H319STOT SE: 3: H336                   | No data            |

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|                                        |                                                                                                                                                   |                    |
|----------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|
|                                        |                                                                                                                                                   | available.         |
| Xylene                                 | Flam. Liq.: 3: H226 Asp. Tox.: 1: H304Eye Dam.: 2: H319STOT SE: 3: H335STOT RE: 2: H373Acute Tox.: 4: H332Acute Tox.: 4: H312Skin Irrit.: 2: H315 | Note C             |
| Ethylbenzene                           | Flam. Liq.: 2: H225 Acute Tox.: 4: H332STOT RE: 2: H373Asp. Tox.: 1: H304                                                                         | No data available. |
| Tetraethyl Silicate, Tetraethoxysilane | Flam. Liq.: 3: H226 Acute Tox.: 4: H332Eye Irrit.: 2: H319STOT SE: 3: H335                                                                        | No data available. |
| n-BUTANOL                              | Flam. Liq.: 3: H226 Acute Tox.: 4: H302STOT SE: 3: H335Skin Irrit.: 2: H315Eye Dam.: 1: H318STOT SE: 3: H336                                      | No data available. |

CLP: Regulation No. 1272/2008.

**SECTION 4: First aid measures**

**4.1 Description of first aid measures**

|                      |                                                                                                                                                            |
|----------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Inhalation:</b>   | Move into fresh air and keep at rest. Get medical attention if symptoms persist.                                                                           |
| <b>Eye contact:</b>  | Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Get medical attention.                                            |
| <b>Skin Contact:</b> | Remove contaminated clothing and shoes. Wash area with soap and water. Wash contaminated clothing before reuse. Get medical attention if symptoms persist. |
| <b>Ingestion:</b>    | Do NOT induce vomiting. Rinse mouth. Get medical attention.                                                                                                |

**4.2 Most important symptoms and effects, both acute and delayed:** No data available.

**4.3 Indication of any immediate medical attention and special treatment needed**

|                   |                    |
|-------------------|--------------------|
| <b>Hazards:</b>   | No data available. |
| <b>Treatment:</b> | No data available. |

**SECTION 5: Firefighting measures**

**General Fire Hazards:** Use standard firefighting procedures and consider the hazards of other involved materials. Prevent runoff from fire control or dilution from entering streams, sewers, or drinking water supply.

**5.1 Extinguishing media**

**Suitable extinguishing media:** Foam. Carbon dioxide

**Unsuitable extinguishing media:** No data available.

**5.2 Special hazards arising from the substance or mixture:** No data available.

**5.3 Advice for firefighters**

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**Special fire fighting procedures:**

No data available.

**Special protective equipment for fire-fighters:**

Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

**SECTION 6: Accidental release measures**

**6.1 Personal precautions, protective equipment and emergency procedures:**

Use personal protective equipment. Keep up-wind to avoid fumes.

**6.2 Environmental Precautions:**

Prevent runoff from entering drains, sewers, or streams.

**6.3 Methods and material for containment and cleaning up:**

Collect spillage with granulates, sawdust, rags or other absorbent. Shovel up and place in a container for salvage or disposal.

**6.4 Reference to other sections:**

No data available.

**SECTION 7: Handling and storage:**

**7.1 Precautions for safe handling:**

Static electricity and formation of sparks must be prevented. All equipment used when handling the product must be grounded. Wear appropriate personal protective equipment. Use only with adequate ventilation. Do not breathe vapor/spray.

**7.2 Conditions for safe storage, including any incompatibilities:**

Keep container tightly closed in a cool, well-ventilated place.

**7.3 Specific end use(s):**

No data available.

**SECTION 8: Exposure controls/personal protection**

**8.1 Control Parameters  
Occupational Exposure Limits**

| Chemical name | type | Exposure Limit Values | Source                                                                                                       |
|---------------|------|-----------------------|--------------------------------------------------------------------------------------------------------------|
| Acetone       | TWA  | 500 ppm 1.210 mg/m3   | UK. EH40 Workplace Exposure Limits (WELs) (12 2011)                                                          |
|               | STEL | 1.500 ppm 3.620 mg/m3 | UK. EH40 Workplace Exposure Limits (WELs) (12 2011)                                                          |
|               | TWA  | 500 ppm 1.210 mg/m3   | EU. Indicative Exposure Limit Values in Directives 91/322/EEC, 2000/39/EC, 2006/15/EC, 2009/161/EU (12 2009) |
| 2-Propanol    | TWA  | 400 ppm 999 mg/m3     | UK. EH40 Workplace Exposure Limits (WELs) (12 2011)                                                          |
|               | STEL | 500 ppm 1.250 mg/m3   | UK. EH40 Workplace Exposure Limits (WELs) (12 2011)                                                          |
| Xylene        | TWA  | 50 ppm 220 mg/m3      | UK. EH40 Workplace Exposure Limits (WELs) (12 2011)                                                          |
|               | STEL | 100 ppm 441 mg/m3     | UK. EH40 Workplace Exposure Limits (WELs) (12 2011)                                                          |
|               | STEL | 100 ppm 442 mg/m3     | EU. Indicative Exposure Limit Values in Directives 91/322/EEC, 2000/39/EC, 2006/15/EC, 2009/161/EU (12 2009) |
|               | TWA  | 50 ppm 221 mg/m3      | EU. Indicative Exposure Limit Values in Directives 91/322/EEC, 2000/39/EC, 2006/15/EC, 2009/161/EU (12 2009) |
| Ethylbenzene  | TWA  | 100 ppm 441 mg/m3     | UK. EH40 Workplace Exposure Limits (WELs)                                                                    |

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|           |      |                   |                                                                                                              |
|-----------|------|-------------------|--------------------------------------------------------------------------------------------------------------|
|           |      |                   | (12 2011)                                                                                                    |
|           | STEL | 125 ppm 552 mg/m3 | UK. EH40 Workplace Exposure Limits (WELs) (12 2011)                                                          |
|           | TWA  | 100 ppm 442 mg/m3 | EU. Indicative Exposure Limit Values in Directives 91/322/EEC, 2000/39/EC, 2006/15/EC, 2009/161/EU (12 2009) |
|           | STEL | 200 ppm 884 mg/m3 | EU. Indicative Exposure Limit Values in Directives 91/322/EEC, 2000/39/EC, 2006/15/EC, 2009/161/EU (12 2009) |
| n-BUTANOL | STEL | 50 ppm 154 mg/m3  | UK. EH40 Workplace Exposure Limits (WELs) (12 2011)                                                          |

**Biological Limit Values**

None.

**8.2 Exposure controls**

**Appropriate Engineering Controls:**

Provide eyewash station and safety shower. Local exhaust is recommended.

**Individual protection measures, such as personal protective equipment**

**General information:**

Use only in well-ventilated areas.

**Eyeface protection:**

Safety glasses with side-shields conforming to EN166 Face shield

**Skin protection**

**Hand Protection:**

Advice: Short time contact:  
Material: 395 Combi-Latex  
Minimum break through time: 10 min  
Glove thickness: 1,0 mm  
Guideline: EN 374  
Advice: Prolonged contact :  
Material: 890 Vitoject  
Minimum break through time: 30 min  
Glove thickness: 0,7 mm  
Guideline: EN 374  
Advice: This recommendation is valid only for our Product as delivered. If this product will be mixed with other substances you need to contact a supplier of CE approved protective gloves (e.g. KCL GmbH, D-36124 Eichenzell, Tel. 0049 (0) 6659 87300, Fax. 0049 (0) 6659 87155, email: vertrieb@kcl.de).

**Other:**

Wear rubber apron.

**Respiratory Protection:**

When workers are facing concentrations above the exposure limit they must use appropriate certified respirators. Respiratory protection mask with Filtrertype ABEK

**Hygiene measures:**

It is good practice in industrial hygiene to avoid contact with solvents by using appropriate protective measures whenever possible. Avoid contact with eyes, skin, and clothing. Observe good industrial hygiene practices. Wash hands after handling. When using do not eat, drink or smoke.

**Environmental exposure controls:**

No data available.

**SECTION 9: Physical and chemical properties**

**9.1 Information on basic physical and chemical properties**

**Appearance**

**SS 4044P - bottle (50cl-423g)**

|                                                         |                                                     |
|---------------------------------------------------------|-----------------------------------------------------|
| <b>Physical state:</b>                                  | liquid                                              |
| <b>Form:</b>                                            | liquid                                              |
| <b>Color:</b>                                           | Pale yellow                                         |
| <b>Odor:</b>                                            | Pungent                                             |
| <b>Odor Threshold:</b>                                  | No data available.                                  |
| <b>pH:</b>                                              | No data available.                                  |
| <b>Freezing point:</b>                                  | No data available.                                  |
| <b>Boiling Point:</b>                                   | > 36 °C                                             |
| <b>Flash Point:</b>                                     | ca. -12 °C                                          |
| <b>Evaporation Rate:</b>                                | No data available.                                  |
| <b>Flammability (solid, gas):</b>                       | No data available.                                  |
| <b>Flammability Limit - Upper (%):</b>                  | 12 %(V) (No data available.)                        |
| <b>Flammability Limit - Lower (%):</b>                  | 2,1 %(V) (No data available.)                       |
| <b>Vapor pressure:</b>                                  | No data available.                                  |
| <b>Vapor density (air=1):</b>                           | No data available.                                  |
| <b>Density:</b>                                         | ca. 0,855 g/cm3                                     |
| <b>Relative density:</b>                                | No data available.                                  |
| <b>Solubility(ies)</b>                                  |                                                     |
| <b>Solubility in Water:</b>                             | partly miscible                                     |
| <b>Solubility (other):</b>                              | No data available.                                  |
| <b>Partition coefficient (n-octanol/water) Log Pow:</b> | No data available.                                  |
| <b>Autoignition Temperature:</b>                        | > 343 °C                                            |
| <b>Decomposition Temperature:</b>                       | No decomposition if stored and applied as directed. |
| <b>SADT:</b>                                            | No data available.                                  |
| <b>Viscosity, dynamic:</b>                              | No data available.                                  |
| <b>Viscosity, kinematic:</b>                            | < 20,5 mm2/s (25 °C)                                |
| <b>Explosive properties:</b>                            | No data available.                                  |
| <b>Oxidizing properties:</b>                            | No data available.                                  |

**SECTION 10: Stability and reactivity**

|                                                 |                            |
|-------------------------------------------------|----------------------------|
| <b>10.1 Reactivity:</b>                         | No data available.         |
| <b>10.2 Chemical Stability:</b>                 | No data available.         |
| <b>10.3 Possibility of hazardous reactions:</b> | No data available.         |
| <b>10.4 Conditions to avoid:</b>                | No data available.         |
| <b>10.5 Incompatible Materials:</b>             | Strong Acids, Strong Bases |
| <b>10.6 Hazardous Decomposition Products:</b>   | No data available.         |

**SECTION 11: Toxicological information**

|                             |                                                                                                                                                                      |
|-----------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>General information:</b> | Experience has shown, that the above mentioned product can be used without any danger to health, as long as the usual conditions of industrial hygiene are observed. |
|-----------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|

**SS 4044P - bottle (50cl-423g)**

**Information on likely routes of exposure**

|                      |                    |
|----------------------|--------------------|
| <b>Inhalation:</b>   | No data available. |
| <b>Ingestion:</b>    | No data available. |
| <b>Skin Contact:</b> | No data available. |
| <b>Eye contact:</b>  | No data available. |

**11.1 Information on toxicological effects**

**Acute toxicity**

**Oral**

|                                           |                         |
|-------------------------------------------|-------------------------|
| <b>Product:</b>                           | ATEmix: 29.790,28 mg/kg |
| <b>Specified substance(s)</b>             |                         |
| Acetone                                   | No data available.      |
| 2-Propanol                                | No data available.      |
| Xylene                                    | No data available.      |
| Ethylbenzene                              | No data available.      |
| Tetraethyl Silicate,<br>Tetraethoxysilane | No data available.      |
| n-BUTANOL                                 | No data available.      |

**Dermal**

|                                           |                       |
|-------------------------------------------|-----------------------|
| <b>Product:</b>                           | ATEmix: 5.640,5 mg/kg |
| <b>Specified substance(s)</b>             |                       |
| Acetone                                   | No data available.    |
| 2-Propanol                                | No data available.    |
| Xylene                                    | No data available.    |
| Ethylbenzene                              | No data available.    |
| Tetraethyl Silicate,<br>Tetraethoxysilane | No data available.    |
| n-BUTANOL                                 | No data available.    |

**Inhalation**

|                                           |                                                                    |
|-------------------------------------------|--------------------------------------------------------------------|
| <b>Product:</b>                           | ATEmix56,41 mg/l Vapour<br>ATEmix64,63 mg/l Dusts, mists and fumes |
| <b>Specified substance(s)</b>             |                                                                    |
| Acetone                                   | No data available.                                                 |
| 2-Propanol                                | No data available.                                                 |
| Xylene                                    | No data available.                                                 |
| Ethylbenzene                              | No data available.                                                 |
| Tetraethyl Silicate,<br>Tetraethoxysilane | No data available.                                                 |
| n-BUTANOL                                 | No data available.                                                 |

**Repeated dose toxicity**

|                                           |                                                                                                             |
|-------------------------------------------|-------------------------------------------------------------------------------------------------------------|
| <b>Product:</b>                           | No data available.                                                                                          |
| <b>Specified substance(s)</b>             |                                                                                                             |
| Acetone                                   | No data available.                                                                                          |
| 2-Propanol                                | No data available.                                                                                          |
| Xylene                                    | No data available.                                                                                          |
| Ethylbenzene                              | No data available.                                                                                          |
| Tetraethyl Silicate,<br>Tetraethoxysilane | NOAEL (Rat(male and female), Oral, 28 d): 10 - 50 mg/kg<br>LOAEL (Mouse(males), Inhalation, 28 d): 50 mg/kg |
| n-BUTANOL                                 | No data available.                                                                                          |

**SS 4044P - bottle (50cl-423g)**

**Skin Corrosion/Irritation:**

**Product:** No data available.

**Specified substance(s)**

|                      |                                                  |
|----------------------|--------------------------------------------------|
| Acetone              | No data available. (Rabbit): Corrosive           |
| 2-Propanol           | No data available.                               |
| Xylene               | (Rabbit): Slightly irritating.                   |
| Ethylbenzene         | (Rabbit): Corrosive                              |
| Tetraethyl Silicate, | OECD Test Guideline 404 (Rabbit): Non irritating |
| Tetraethoxysilane    |                                                  |
| n-BUTANOL            | (Rabbit): Corrosive                              |

**Serious Eye Damage/Eye Irritation:**

**Product:** No data available.

**Specified substance(s)**

|                      |                                                                                                                            |
|----------------------|----------------------------------------------------------------------------------------------------------------------------|
| Acetone              | No data available.                                                                                                         |
| 2-Propanol           | (Rabbit): Strongly irritating.                                                                                             |
| Xylene               | No data available.                                                                                                         |
| Ethylbenzene         | No data available. (Rabbit): slightly irritating (not classified according to the German Dangerous Substances legislation) |
| Tetraethyl Silicate, | OECD Test Guideline 405 (Rabbit, 72 h): Non irritating                                                                     |
| Tetraethoxysilane    |                                                                                                                            |
| n-BUTANOL            | No data available. (Rabbit): Irritating to eyes.                                                                           |

**Respiratory or Skin Sensitization:**

**Product:** No data available.

**Specified substance(s)**

|                      |                                                                                             |
|----------------------|---------------------------------------------------------------------------------------------|
| Acetone              | , No data available. (negative)No data available.                                           |
| 2-Propanol           | No data available.                                                                          |
| Xylene               | No data available.                                                                          |
| Ethylbenzene         | No data available.                                                                          |
| Tetraethyl Silicate, | Sensitisation, skin, OECD-Guideline 406 (Skin Sensitisation) (Guinea Pig): Non sensitizing. |
| Tetraethoxysilane    |                                                                                             |
| n-BUTANOL            | No data available.                                                                          |

**Germ Cell Mutagenicity**

**In vitro**

**Product:** No data available.

**Specified substance(s)**

|                      |                                                  |
|----------------------|--------------------------------------------------|
| Acetone              | No data available.                               |
| 2-Propanol           | No data available.                               |
| Xylene               | No data available.                               |
| Ethylbenzene         | No data available.                               |
| Tetraethyl Silicate, | Chinese Hamster Ovary (CHO) (OECD 476): negative |
| Tetraethoxysilane    | Chromosomal aberration (OECD 473): negative      |
| n-BUTANOL            | No data available.                               |

**In vivo**

**Product:** No data available.

**Specified substance(s)**

|            |                    |
|------------|--------------------|
| Acetone    | No data available. |
| 2-Propanol | No data available. |
| Xylene     | No data available. |

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|                      |                    |
|----------------------|--------------------|
| Ethylbenzene         | No data available. |
| Tetraethyl Silicate, | No data available. |
| Tetraethoxysilane    |                    |
| n-BUTANOL            | No data available. |

**Carcinogenicity**

**Product:** No data available.

**Specified substance(s)**

|                      |                    |
|----------------------|--------------------|
| Acetone              | No data available. |
| 2-Propanol           | No data available. |
| Xylene               | No data available. |
| Ethylbenzene         | No data available. |
| Tetraethyl Silicate, | No data available. |
| Tetraethoxysilane    |                    |
| n-BUTANOL            | No data available. |

**Reproductive toxicity**

**Product:** No data available.

**Specified substance(s)**

|                      |                    |
|----------------------|--------------------|
| Acetone              | No data available. |
| 2-Propanol           | No data available. |
| Xylene               | No data available. |
| Ethylbenzene         | No data available. |
| Tetraethyl Silicate, | No data available. |
| Tetraethoxysilane    |                    |
| n-BUTANOL            | No data available. |

**Specific Target Organ Toxicity - Single Exposure**

**Product:** No data available.

**Specified substance(s)**

|                      |                    |
|----------------------|--------------------|
| Acetone              | No data available. |
| 2-Propanol           | No data available. |
| Xylene               | No data available. |
| Ethylbenzene         | No data available. |
| Tetraethyl Silicate, | No data available. |
| Tetraethoxysilane    |                    |
| n-BUTANOL            | No data available. |

**Specific Target Organ Toxicity - Repeated Exposure**

**Product:** No data available.

**Specified substance(s)**

|                      |                    |
|----------------------|--------------------|
| Acetone              | No data available. |
| 2-Propanol           | No data available. |
| Xylene               | No data available. |
| Ethylbenzene         | No data available. |
| Tetraethyl Silicate, | No data available. |
| Tetraethoxysilane    |                    |
| n-BUTANOL            | No data available. |

**Target Organs:**

narcotic effects

narcotic effects

**Aspiration Hazard**

**SS 4044P - bottle (50cl-423g)**

**Product:** No data available.

**Specified substance(s)**

|                      |                    |
|----------------------|--------------------|
| Acetone              | No data available. |
| 2-Propanol           | No data available. |
| Xylene               | No data available. |
| Ethylbenzene         | No data available. |
| Tetraethyl Silicate, | No data available. |
| Tetraethoxysilane    |                    |
| n-BUTANOL            | No data available. |

**Other effects:** No data available.

**SECTION 12: Ecological information**

**12.1 Toxicity**

**Acute toxicity**

**Fish**

**Product:** No data available.

**Specified substance(s)**

|                                                        |                                                                                                                                                                                                                                                                                                                  |
|--------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Acetone                                                | LC50 (Lepomis macrochirus, 96 h): 8.300 mg/l (No data available.)<br>LC0 (Leuciscus idus, 48 h): 6.320 mg/l (No data available.)                                                                                                                                                                                 |
| 2-Propanol                                             | LC50 (Leuciscus idus, 48 h): 7.505 mg/l (No data available.)<br>LC50 (Leuciscus idus, 48 h): 8.970 mg/l (No data available.)                                                                                                                                                                                     |
| Xylene                                                 | LC50 (Pimephales promelas, 96 h): > 65.500 mg/l (No data available.)<br>LC50 (Leuciscus idus, 48 h): 86 mg/l (not applicable)<br>LC50 (Pimephales promelas, 96 h): 13,4 mg/l (No data available.)                                                                                                                |
| Ethylbenzene                                           | LC50 (Salmo gairdneri, 96 h): 14 mg/l (No data available.)<br>LC0 (Leuciscus idus, 48 h): 26 mg/l (No data available.)<br>LC100 (Leuciscus idus, 48 h): 70 mg/l (No data available.)<br>LC50 (Leuciscus idus, 48 h): 44 mg/l (No data available.)<br>LC50 (Salmo gairdneri, 96 h): 4,2 mg/l (No data available.) |
| Tetraethyl Silicate,<br>Tetraethoxysilane<br>n-BUTANOL | LC50 (Brachydanio rerio, 96 h): > 245 mg/l (Tested according to Directive 92/69/EEC.)<br>LC0 (Leuciscus idus, 48 h): > 1.000 mg/l (No data available.)<br>LC50 (Leuciscus idus, 48 h): 1.520 mg/l (No data available.)<br>LC50 (Pimephales promelas, 96 h): 1.730 mg/l (No data available.)                      |

**Aquatic Invertebrates**

**Product:** No data available.

**Specified substance(s)**

|                                                        |                                                                                                                                                              |
|--------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Acetone                                                | No data available.                                                                                                                                           |
| 2-Propanol                                             | EC50 (Daphnia magna, 24 h): > 10.000 mg/l (No data available.)<br>EC0 (Daphnia magna): 500 mg/l (No data available.)                                         |
| Xylene                                                 | EC50 (Daphnia magna, 24 h): 165 mg/l (No data available.)                                                                                                    |
| Ethylbenzene                                           | LC0 (Daphnia magna): 137 mg/l (No data available.)<br>(Daphnia magna): 184 mg/l (No data available.)<br>LC100 (Daphnia magna): 200 mg/l (No data available.) |
| Tetraethyl Silicate,<br>Tetraethoxysilane<br>n-BUTANOL | EC50 (Daphnia magna, 48 h): > 75 mg/l (OECD-Guideline 202)<br><br>No data available.                                                                         |

**Chronic Toxicity**

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**Fish**

**Product:** No data available.

**Specified substance(s)**

|                      |                    |
|----------------------|--------------------|
| Acetone              | No data available. |
| 2-Propanol           | No data available. |
| Xylene               | No data available. |
| Ethylbenzene         | No data available. |
| Tetraethyl Silicate, | No data available. |
| Tetraethoxysilane    |                    |
| n-BUTANOL            | No data available. |

**Aquatic Invertebrates**

**Product:** No data available.

**Specified substance(s)**

|                      |                    |
|----------------------|--------------------|
| Acetone              | No data available. |
| 2-Propanol           | No data available. |
| Xylene               | No data available. |
| Ethylbenzene         | No data available. |
| Tetraethyl Silicate, | No data available. |
| Tetraethoxysilane    |                    |
| n-BUTANOL            | No data available. |

**Toxicity to Aquatic Plants**

**Product:** No data available.

**Specified substance(s)**

|                      |                                                                                 |
|----------------------|---------------------------------------------------------------------------------|
| Acetone              | No data available.                                                              |
| 2-Propanol           | No data available.                                                              |
| Xylene               | No data available.                                                              |
| Ethylbenzene         | No data available.                                                              |
| Tetraethyl Silicate, | EC50 (Algae ( <i>Pseudokirchneriella subcapitata</i> ), 72 h): > 100 mg/l (OECD |
| Tetraethoxysilane    | Test Guideline 201)                                                             |
| n-BUTANOL            | No data available.                                                              |

**12.2 Persistence and Degradability**

**Biodegradation**

**Product:** No data available.

**Specified substance(s)**

|                      |                                                                                                                       |
|----------------------|-----------------------------------------------------------------------------------------------------------------------|
| Acetone              | Biological degradability (5 d, No data available.): 50 %<br>Biological degradability (28 d, No data available.): 78 % |
| 2-Propanol           | Biological degradability (5 d, No data available.): 82,5 %                                                            |
| Xylene               | No data available.                                                                                                    |
| Ethylbenzene         | Biological degradability (28 d, No data available.): 68 %                                                             |
| Tetraethyl Silicate, | activated sludge, domestic (adaptation not specified) (28 d, OECD-Guideline                                           |
| Tetraethoxysilane    | 301 A (DOC Die-Away Test)): 98 % Readily biodegradable                                                                |
| n-BUTANOL            | No data available.                                                                                                    |

**BOD/COD Ratio**

**Product** No data available.

**Specified substance(s)**

|              |                    |
|--------------|--------------------|
| Acetone      | No data available. |
| 2-Propanol   | No data available. |
| Xylene       | No data available. |
| Ethylbenzene | No data available. |

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Tetraethyl Silicate, No data available.  
Tetraethoxysilane  
n-BUTANOL No data available.

**12.3 Bioaccumulative potential**

**Product:** No data available.

**Specified substance(s)**

Acetone No data available.  
2-Propanol No data available.  
Xylene No data available.  
Ethylbenzene No data available.  
Tetraethyl Silicate, No data available.  
Tetraethoxysilane  
n-BUTANOL No data available.

**12.4 Mobility in soil:**

No data available.

**Known or predicted distribution to environmental compartments**

Acetone No data available.  
2-Propanol No data available.  
Xylene No data available.  
Ethylbenzene No data available.  
Tetraethyl Silicate, No data available.  
Tetraethoxysilane  
n-BUTANOL No data available.

**12.5 Results of PBT and vPvB assessment:**

No data available.

Acetone No data available.  
2-Propanol No data available.  
Xylene No data available.  
Ethylbenzene No data available.  
Tetraethyl Silicate, No data available.  
Tetraethoxysilane  
n-BUTANOL No data available.

**12.6 Other adverse effects:**

No data available.

**SECTION 13: Disposal considerations**

**13.1 Waste treatment methods**

**General information:** No data available.

**Disposal methods:** Can be incinerated when in compliance with local regulations.

**SECTION 14: Transport information**

**ADR**

14.1 UN Number: UN 1993  
14.2 UN Proper Shipping Name: FLAMMABLE LIQUID, N.O.S.(Acetone, Isopropanol)  
14.3 Transport Hazard Class(es)  
Class: 3  
Label(s): 3  
Hazard No. (ADR): 33  
Tunnel restriction code: (D/E)  
14.4 Packing Group: II

|                                           |                                                |
|-------------------------------------------|------------------------------------------------|
|                                           | <b>SS 4044P - bottle (50cl-423g)</b>           |
| Limited quantity                          | 1,00L                                          |
| Excepted quantity                         | E2                                             |
| 14.5 Environmental Hazards:               | Not regulated.                                 |
| Marine Pollutant                          | No                                             |
| <b>ADN</b>                                |                                                |
| 14.1 UN Number:                           | UN 1993                                        |
| 14.2 UN Proper Shipping Name:             | FLAMMABLE LIQUID, N.O.S.(Acetone, Isopropanol) |
| 14.3 Transport Hazard Class(es)           |                                                |
| Class:                                    | 3                                              |
| Label(s):                                 | 3                                              |
| Hazard No. (ADR):                         | —                                              |
| 14.4 Packing Group:                       | II                                             |
| Limited quantity                          | 1,00L                                          |
| Excepted quantity                         | E2                                             |
| 14.5 Environmental Hazards:               | Not regulated.                                 |
| Marine Pollutant                          | No                                             |
| <b>RID</b>                                |                                                |
| 14.1 UN Number:                           | UN 1993                                        |
| 14.2 UN Proper Shipping Name              | FLAMMABLE LIQUID, N.O.S.(Acetone, Isopropanol) |
| 14.3 Transport Hazard Class(es)           |                                                |
| Class:                                    | 3                                              |
| Label(s):                                 | 3                                              |
| 14.4 Packing Group:                       | II                                             |
| 14.5 Environmental Hazards:               | Not regulated.                                 |
| Marine Pollutant                          | No                                             |
| <b>IMDG</b>                               |                                                |
| 14.1 UN Number:                           | UN 1993                                        |
| 14.2 UN Proper Shipping Name:             | FLAMMABLE LIQUID, N.O.S.(Acetone, Isopropanol) |
| 14.3 Transport Hazard Class(es)           |                                                |
| Class:                                    | 3                                              |
| Label(s):                                 | 3                                              |
| EmS No.:                                  | F-E, S-E                                       |
| 14.4 Packing Group:                       | II                                             |
| Limited quantity                          | 1,00L                                          |
| Excepted quantity                         | E2                                             |
| 14.5 Environmental Hazards:               | Not regulated.                                 |
| Marine Pollutant:                         | No                                             |
| <b>IATA</b>                               |                                                |
| 14.1 UN Number:                           | UN 1993                                        |
| 14.2 Proper Shipping Name:                | Flammable liquid, n.o.s.(Acetone, Isopropanol) |
| 14.3 Transport Hazard Class(es):          |                                                |
| Class:                                    | 3                                              |
| Label(s):                                 | 3                                              |
| 14.4 Packing Group:                       | II                                             |
| Cargo aircraft only Packing Instructions: | 364                                            |

**SS 4044P - bottle (50cl-423g)**

Passenger and cargo aircraft 364  
Packing Instructions:  
Limited quantity: 1,00L  
Packing Instructions: Y341

Excepted quantity E2

14.5 Environmental Hazards: Not regulated.  
Marine Pollutant: No

**14.6 Special precautions for user:** Keep away from food, foodstuff, acids and bases.

**14.7 Transport in bulk according to Annex II of MARPOL and the IBC Code:**

not applicable

**SECTION 15: Regulatory information**

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

**EU Regulations**

**Regulation (EC) No. 2037/2000 Substances that deplete the ozone layer:** none

**Regulation (EC) No. 850/2004 on persistent organic pollutants:** none

**Regulation (EC) No. 689/2008 Import and export of dangerous chemicals:** none

**Regulation (EC) No. 1907/2006, REACH Annex XIV Substances subject to authorisation, as amended:** none

**Regulation (EC) No. 1907/2006 Annex XVII Substances subject to restriction on marketing and use:**

| Chemical name | CAS-No.  | Concentration |
|---------------|----------|---------------|
| 2-Propanol    | 67-63-0  | 20 - 30%      |
| Ethylbenzene  | 100-41-4 | 1,0 - 10%     |

**Directive 2004/37/EC on the protection of workers from the risks related to exposure to carcinogens and mutagens at work.:** none

**Directive 92/85/EEC: on the safety and health of pregnant workers and workers who have recently given birth or are breast feeding.:** none

**Directive 96/82/EC (Seveso III): on the control of major accident hazards involving dangerous substances:** none

**EU. Regulation No. 166/2006 PRTR (Pollutant Release and Transfer Registry), Annex II: Pollutants:** none

**Directive 98/24/EC on the protection of workers from the risks related to chemical agents at work:**

| Chemical name                          | CAS-No.   | Concentration |
|----------------------------------------|-----------|---------------|
| 2-Propanol                             | 67-63-0   | 20 - 30%      |
| Xylene                                 | 1330-20-7 | 10 - 20%      |
| Ethylbenzene                           | 100-41-4  | 1,0 - 10%     |
| Tetraethyl Silicate, Tetraethoxysilane | 78-10-4   | 1,0 - 10%     |

**SS 4044P - bottle (50cl-423g)**

|           |         |           |
|-----------|---------|-----------|
| n-BUTANOL | 71-36-3 | 1,0 - 10% |
|-----------|---------|-----------|

**15.2 Chemical safety assessment:**

No Chemical Safety Assessment has been carried out.

**Inventory Status**

|                                                  |                      |                            |
|--------------------------------------------------|----------------------|----------------------------|
| Australia AICS:                                  | y (positive listing) | Remarks: None.             |
| Canada DSL Inventory List:                       | y (positive listing) | Remarks: None.             |
| EU EINECS List:                                  | y (positive listing) | Remarks: None.             |
| Japan (ENCS) List:                               | y (positive listing) | Remarks: None.             |
| China Inventory of Existing Chemical Substances: | y (positive listing) | Remarks: None.             |
| Korea Existing Chemicals Inv. (KECI):            | y (positive listing) | Remarks: None.             |
| Canada NDSL Inventory:                           | n (Negative listing) | Remarks: None.             |
| Philippines PICCS:                               | y (positive listing) | Remarks: None.             |
| US TSCA Inventory:                               | y (positive listing) | Remarks: On TSCA Inventory |
| New Zealand Inventory of Chemicals:              | n (Negative listing) | Remarks: None.             |
| Taiwan. Taiwan inventory (CSNN):                 | y (positive listing) | Remarks: None.             |

**SECTION 16: Other information**

**Revision Information:** Not relevant.

**Key literature references and sources for data:** No data available.

**Wording of the H-statements in section 2 and 3**

|      |                                                                    |
|------|--------------------------------------------------------------------|
| H225 | Highly flammable liquid and vapor.                                 |
| H226 | Flammable liquid and vapor.                                        |
| H302 | Harmful if swallowed.                                              |
| H304 | May be fatal if swallowed and enters airways.                      |
| H312 | Harmful in contact with skin.                                      |
| H315 | Causes skin irritation.                                            |
| H318 | Causes serious eye damage.                                         |
| H319 | Causes serious eye irritation.                                     |
| H332 | Harmful if inhaled.                                                |
| H335 | May cause respiratory irritation.                                  |
| H336 | May cause drowsiness or dizziness.                                 |
| H373 | May cause damage to organs through prolonged or repeated exposure. |

**Training information:** No data available.

**Classification according to Regulation (EC) No 1272/2008 as amended.**

Flam. Liq. 2, H225  
Flam. Liq. 2, H225  
Skin Corr. 2, H315  
Skin Corr. 2, H315  
Eye Dam. 2, H319  
Eye Dam. 2, H319  
STOT SE 3, H336  
STOT SE 3, H336

**Issue Date:** 06.12.2016

**SS 4044P - bottle (50cl-423g)**

**Disclaimer:**

**Notice to reader**

Unless otherwise specified in section 1.2, Momentive Products are intended for industrial application only.

They are not intended for specific medical applications, neither for long-lasting (> 30 days) implantation into the human body, injected or directly ingested, nor for the manufacture of multiple usable contraceptives.

**Further Information**

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The 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, unless specified in the text.

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