SAFETY DATA SHEET according to Regulation (EC) No. 1907/2006

SS4120

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

Trade name : SS4120
Usage : Primer

Company : Momentive Performance Materials GmbH
Chempark Leverkusen Gebaeude V7
DE - 51368 Leverkusen

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

Further Information : + 40 213044229

Product Regulatory Compliance : MomentiveEMEA.productsteward@momentive.com

2. HAZARDS IDENTIFICATION

GHS classification
Classification according to Regulation (EC) No 1272/2008 as amended:
Flammable liquids; Category 2;
Acute toxicity; Category 2; Inhalation - vapor;
Acute toxicity; Category 3; Dermal;
Acute toxicity; Category 3; Oral;
Specific target organ toxicity - single exposure; Category 1;

GHS-Labelling Regulation (EC) No. 1272/2008:

Signal words : Danger

Hazard statements
H225 Highly flammable liquid and vapor.
H301+H311 Toxic if swallowed or in contact with skin.
H330 Fatal if inhaled.
H370 Causes damage to organs.

Precautionary Statement - Prevention:
P210 Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
P260 Do not breathe dust/fume/gas/mist/vapours/spray.

Precautionary Statement - Response:
P301+P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
P304+P340+P315 IF INHALED: Remove victim to fresh air and keep at rest in a position...
comfortable for breathing. Get immediate medical advice/attention.
P307+P311 IF exposed: Call a POISON CENTER or doctor/physician.

Precautionary Statement - Storage:
P403+P233 Store in a well-ventilated place. Keep container tightly closed.

Labelling according to EC Directives
1999/45/EC

Hazardous components which must be listed on the label:
- Methanol

Symbol(s):  
- F: Highly Flammable
- T: Toxic

R-phrase(s):  
- R11: Highly flammable.
- R23/24/25: Toxic by inhalation, in contact with skin and if swallowed.
- R39/23/24/25: Toxic: danger of very serious irreversible effects through inhalation, in contact with skin and if swallowed.

S-phrase(s):  
- S9: Keep container in a well-ventilated place.
- S16: Keep away from sources of ignition - No smoking.
- S33: Take precautionary measures against static discharges.
- S35: This material and its container must be disposed of in a safe way.
- S36/37: Wear suitable protective clothing and gloves.
- S45: In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>CAS-No.</th>
<th>EINECS-No.</th>
<th>Symbol(s)</th>
<th>R-phrase(s)</th>
<th>Concentration</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ethanol</td>
<td>64-17-5</td>
<td>200-578-6</td>
<td>F</td>
<td>R11</td>
<td>&gt;= 50,000 - &lt;= 100,000</td>
</tr>
<tr>
<td>Methanol</td>
<td>67-56-1</td>
<td>200-659-6</td>
<td>F, T</td>
<td>R11, R39/23/24/25</td>
<td>&gt;= 25,000 - &lt;= 50,000</td>
</tr>
<tr>
<td>Silicic acid, ethyl ester</td>
<td>11099-06-2</td>
<td>234-324-0</td>
<td>Xn</td>
<td>R10, R36/37</td>
<td>&gt;= 0,000 - &lt; 10,000</td>
</tr>
</tbody>
</table>
### Hazardous Component(s) Regulation (EC) No. 1272/2008

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>CAS-No. ; REACH Registration No.</th>
<th>EINECS-No. ; ELINCS No.</th>
<th>Hazard classification</th>
<th>Hazard statements</th>
<th>Concentration %</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ethanol</td>
<td>64-17-5 ; Not Applicable</td>
<td>200-578-6</td>
<td>Category 2</td>
<td>Flammable liquids H225</td>
<td>&gt;= 50,000 - &lt;= 100,000</td>
</tr>
<tr>
<td>Methanol</td>
<td>67-56-1 ; Not Applicable</td>
<td>200-659-6</td>
<td>Category 2</td>
<td>Flammable liquids H225</td>
<td>&gt;= 25,000 - &lt; 50,000</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Category 3</td>
<td>Acute toxicity H331</td>
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<tr>
<td></td>
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<td>Category 3</td>
<td>Acute toxicity H311</td>
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<tr>
<td></td>
<td></td>
<td></td>
<td>Category 3</td>
<td>Acute toxicity H301</td>
<td></td>
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<td></td>
<td></td>
<td></td>
<td>Category 1</td>
<td>Specific target organ toxicity - single exposure H370</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Category 3</td>
<td>Flammable liquids H226</td>
<td></td>
</tr>
<tr>
<td>Silicic acid, ethyl ester</td>
<td>11099-06-2 ; Not Applicable</td>
<td>234-324-0</td>
<td>Category 3</td>
<td>Specific target organ toxicity - single exposure H335</td>
<td>&gt;= 0,000 - &lt; 10,000</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Category 2</td>
<td>Serious eye damage/eye irritation H319</td>
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<tr>
<td></td>
<td></td>
<td></td>
<td>Category 4</td>
<td>Acute toxicity H302</td>
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</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Category 3</td>
<td>Flammable liquids H226</td>
<td></td>
</tr>
</tbody>
</table>

### 4. FIRST AID MEASURES

- **Inhalation**: Move into fresh air and keep at rest. Get medical attention.
- **Skin contact**: Take off immediately all contaminated clothing. Wash area with soap and water. Wash contaminated clothing before reuse. Get medical attention.
- **Eye contact**: Rinse immediately with plenty of water and seek medical advice.
- **Ingestion**: Do NOT induce vomiting. Rinse mouth. Take victim immediately to hospital.
5. FIRE-FIGHTING MEASURES

Suitable extinguishing media: All standard extinguishing agents are suitable.

Further Information: Use standard firefighting procedures and consider the hazards of other involved materials.

Special protective equipment for fire-fighters: Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures: Use personal protective equipment. Keep up-wind to avoid fumes.

Methods for cleaning up: Collect spillage with granulates, sawdust, rags or other absorbent.

7. HANDLING AND STORAGE

Handling
Advice on safe handling: Use only in well-ventilated areas. Wear appropriate personal protective equipment.

Advice on protection against fire and explosion: Keep away from sources of ignition - No smoking.

Storage
Requirements for storage areas and containers: Keep container tightly closed in a cool, well-ventilated place.

Advice on common storage: Oxidizing agents.

Other data: Material is stable under normal conditions.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Components with workplace control parameters

<table>
<thead>
<tr>
<th>Components</th>
<th>CAS-No.</th>
<th>Control parameters</th>
</tr>
</thead>
<tbody>
<tr>
<td>ETHANOL</td>
<td>64-17-5</td>
<td>Basis: EH40 OES; Update: 2001; Time Weighted Average (TWA): 1.000 ppm</td>
</tr>
</tbody>
</table>
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SS4120

Version 6.2
Revision date 11.07.2012
Print Date 06.03.2013

M00000006975

Engineering measures
Provide eyewash station and safety shower.

Personal protective equipment (ppe)

Respiratory Protection : Respiratory protection mask with Filtertype ABEK

Hand protection : Advice: Short time contact:
Material: 395 Combi-Latex
Minimum break through time: 10 min
Glove thickness: 1.0 mm
Producer: KCL GmbH, D-36124 Eichenzell, Tel. 0049 (0) 6659 87300, Fax. 0049 (0) 6659 87155, email: vertrieb@kcl.de.

Hand protection : Advice: Prolonged contact :
Material: 898 Butoject
Minimum break through time: 480 min
Glove thickness: 0,7 mm
Producer: KCL GmbH, D-36124 Eichenzell, Tel. 0049 (0) 6659 87300, Fax. 0049 (0) 6659 87155, email: vertrieb@kcl.de.

Hand protection : 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).

Eye protection : Safety glasses with side-shields conforming to EN166

Skin and Body Protection : Wear rubber apron.

Hygiene measures : Observe good industrial hygiene practices.
9. PHYSICAL AND CHEMICAL PROPERTIES

Form : Liquid
Color : Colorless

Safety data
Melting Point : Melting point (°C) ca.-81 °C
Boiling point/boiling range : Estimated65 °C
Flash Point : 11 °C Method: Calculated
Autoignition Temperature : ca.185 °C
Lower explosion limit : ca.3,3 %(V) Method: No data available.
Upper explosion limit : ca.19 %(V) Method: No data available.
Density : ca.0,82 g/cm3
Miscibility with water : miscible (>90%)
**Additional ecological information**: Ecotoxicological data for this product is not available.

### 13. DISPOSAL CONSIDERATIONS

<table>
<thead>
<tr>
<th>Product</th>
<th>In accordance with local and national regulations.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Contaminated packaging</td>
<td>Dispose of as unused product.</td>
</tr>
</tbody>
</table>
14. TRANSPORT INFORMATION

Land transport

ADR: UN-Number 1993
Class 3
Packing group II
Classification Code F1
Hazard identification No 33
ADR/RID-Labels 3
Proper Shipping Name FLAMMABLE LIQUID, N.O.S.
Contains METHANOL
ETHANOL

RID Class No.: UN-Number 1993
Class 3
Packing group II
Classification Code F1
Hazard identification No 33
ADR/RID-Labels 3
Proper Shipping Name FLAMMABLE LIQUID, N.O.S.
Contains METHANOL
ETHANOL

Inland waterway transport

ADNR: UN-Number 1993
Class 3
Packing group II
Classification Code F1
Hazard identification No 33
ADNR-Labels 3
Proper Shipping Name FLAMMABLE LIQUID, N.O.S.
Contains METHANOL
ETHANOL

Sea transport

IMDG: UN-Number 1993
Class 3
Packing group II
IMDG-Labels 3
EmS F-E, S-E
Marine Pollutant
Proper Shipping Name FLAMMABLE LIQUID, N.O.S.
Contains METHANOL
ETHANOL

Air transport

ICAO/IATA: UN-Number 1993
Class: 3
Packing group: II
ICAO-Labels: 3
Proper Shipping Name: Flammable liquid, n.o.s.
Contains: METHANOL, ETHANOL

Further Information: Keep away from food, foodstuff, acids and bases.

Special provision:
- ADNR: Special Provision 640D
- ADR: Special Provision 640D
- RID: Special Provision 640D

15. REGULATORY INFORMATION

Inventories:
- Australia Inventory of Chemical Substances (AICS) y (positive listing)
- Canada DSL Inventory y (positive listing)
- EU list of existing chemical substances y (positive listing)
- Japan Inventory of Existing & New Chemical Substances (ENCS) y (positive listing)
- China Inventory of Existing Chemical Substances y (positive listing)
- Korea Existing Chemicals Inventory (KECI) y (positive listing)
- Canada NDSL Inventory n (Negative listing)
- Philippines Inventory of Chemicals and Chemical Substances (PICCS) y (positive listing)
- TSCA list y (positive listing)
- New Zealand Inventory of Chemicals y (positive listing)
- Japan Industrial Safety & Health Law (ISHL) Listing y (positive listing)

For inventories that are marked as quantity restricted or special cases, please contact Momentive.
16. OTHER INFORMATION

Full text of R-phrases referred to under sections 2 and 3

R10  Flammable.
R11  Highly flammable.
R22  Harmful if swallowed.
R23/24/25  Toxic by inhalation, in contact with skin and if swallowed.
R36/37  Irritating to eyes and respiratory system.
R39/23/24/25  Toxic: danger of very serious irreversible effects through inhalation, in contact with skin and if swallowed.

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.