SAFETY DATA SHEET

1. Identification

Product identifier: SS4044P

Other means of identification
Synonyms: Silicone primer solution

Recommended use and restriction on use
Recommended use: Primer
Restrictions on use: Not known.

Manufacturer/Importer/Distributor Information:
Momtive Performance Materials LLC
260 Hudson River Road
Waterford NY 12188

Contact person: commercial.services@momentive.com

Telephone:
General information
+1-800-295-2392

Emergency telephone number:
Supplier: CHEMTREC
1-800-424-9300

2. Hazard(s) Identification

Hazard Classification

Physical Hazards
Flammable liquids Category 2

Health Hazards
Skin Corrosion/Irritation Category 2
Serious Eye Damage/Eye Irritation Category 2A
Toxic to reproduction Category 1B
Specific Target Organ Toxicity - Single Exposure Category 1
Specific Target Organ Toxicity - Single Exposure Category 3
Specific Target Organ Toxicity - Repeated Exposure Category 1
Target Organs
1. respiratory tract irritation, narcotic effects, Central nervous system., Kidneys, Liver
2. narcotic effects, respiratory tract irritation, Central nervous system., Kidneys, Liver
3. Central nervous system., Kidneys, Liver, Skin, respiratory tract, hearing organs

Label Elements

Hazard Symbol:

Signal Word: No signal word.

Hazard Statement: Highly flammable liquid and vapor. Causes serious eye irritation. Causes skin irritation. May damage fertility or the unborn child. Causes damage to organs. May cause drowsiness or dizziness. Causes damage to organs through prolonged or repeated exposure.

Precautionary Statement

Prevention: Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Use personal protective equipment as required. Wear protective gloves. Wear eye protection/face protection. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Use explosion-proof electrical/ventilating/lighting/equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Keep container tightly closed. Use only outdoors or in a well-ventilated area. Do not breathe vapors. Do not eat, drink or smoke when using this product. Wash hands thoroughly after handling.

Response: Get medical advice/attention if you feel unwell. IF exposed: Call a POISON CENTER/doctor. IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/doctor if you feel unwell. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. IF ON SKIN: Wash with plenty of water. Take off contaminated clothing. If skin irritation occurs: Get medical advice/attention. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists:
Storage: Store locked up. Store in a well-ventilated place. Keep cool.

Disposal: Dispose of contents/container to an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.

Other hazards which do not result in GHS classification: None.

Substance(s) formed under the conditions of use: Silicone resin in solvent(s)

3. Composition/information on ingredients

Mixtures

<table>
<thead>
<tr>
<th>Chemical Identity</th>
<th>CAS number</th>
<th>Content in percent (%)</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acetone</td>
<td>67-64-1</td>
<td>15 - 40%</td>
<td># This substance has workplace exposure limit(s).</td>
</tr>
<tr>
<td>2-Propanol</td>
<td>67-63-0</td>
<td>15 - 40%</td>
<td># This substance has workplace exposure limit(s).</td>
</tr>
<tr>
<td>Xylene</td>
<td>1330-20-7</td>
<td>15 - 40%</td>
<td># This substance has workplace exposure limit(s).</td>
</tr>
<tr>
<td>Ethylbenzene</td>
<td>100-41-4</td>
<td>5 - 10%</td>
<td># This substance has workplace exposure limit(s).</td>
</tr>
<tr>
<td>Tetraethyl Silicate, Tetraethoxysilane</td>
<td>78-10-4</td>
<td>1 - 5%</td>
<td># This substance has workplace exposure limit(s).</td>
</tr>
<tr>
<td>n-BUTANOL</td>
<td>71-36-3</td>
<td>1 - 5%</td>
<td># This substance has workplace exposure limit(s).</td>
</tr>
</tbody>
</table>

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

4. First-aid measures
Ingestion: Do NOT induce vomiting. Do not give victim anything to drink if he is unconscious.

Inhalation: If inhaled, remove to fresh air. If not breathing give artificial respiration using a barrier device. If breathing is difficult give oxygen. Get medical attention.

Skin Contact: Wash area with soap and water.

Eye contact: Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Get medical attention.

Most important symptoms/effects, acute and delayed

Symptoms: None known.

Hazards: No data available.

Indication of immediate medical attention and special treatment needed

Treatment: No data available.

5. Fire-fighting measures

General Fire Hazards: No data available.

Suitable (and unsuitable) extinguishing media

Suitable extinguishing media: Carbon dioxide Alcohol foam.

Unsuitable extinguishing media: No data available.

Specific hazards arising from the chemical: No data available.

Special protective equipment and precautions for firefighters

Special fire fighting procedures: No data available.

Special protective equipment for fire-fighters: Extremely flammable. Pressure inside container is increased when heated, and may cause explosion. Firefighters must wear NIOSH/MSHA approved positive pressure self-contained breathing apparatus with full face mask and full protective clothing.
6. Accidental release measures

Personal precautions, protective equipment and emergency procedures:
Avoid contact with skin and eyes. Keep out of reach of children. Avoid inhalation of vapors and spray mists.

Methods and material for containment and cleaning up:
Wear proper protective equipment as specified in the protective equipment section. Warn other workers of spill. Keep unauthorized personnel away. Wipe, scrape, or soak up in an inert material and put in a container intended for flammable materials for disposal.

7. Handling and storage

Precautions for safe handling:
Sensitivity to static discharge is expected; material has a flash point below 200 F.

Conditions for safe storage, including any incompatibilities:
Keep away from heat, sparks and open flame. Keep container closed. Store in original container.

8. Exposure controls/personal protection

Control Parameters

<table>
<thead>
<tr>
<th>Chemical Identity</th>
<th>type</th>
<th>Exposure Limit Values</th>
<th>Source</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acetone</td>
<td>TWA</td>
<td>250 ppm</td>
<td>US. ACGIH Threshold Limit Values (03 2015)</td>
</tr>
<tr>
<td></td>
<td>STEL</td>
<td>500 ppm</td>
<td>US. ACGIH Threshold Limit Values (03 2015)</td>
</tr>
<tr>
<td></td>
<td>REL</td>
<td>250 ppm 590 mg/m³</td>
<td>US. NIOSH: Pocket Guide to Chemical Hazards (2010)</td>
</tr>
<tr>
<td></td>
<td>PEL</td>
<td>1,000 ppm 2,400 mg/m³</td>
<td>US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)</td>
</tr>
<tr>
<td></td>
<td>TWA</td>
<td>750 ppm 1,800 mg/m³</td>
<td>US. OSHA Table Z-1-A (29 CFR 1910.1000) (1989)</td>
</tr>
<tr>
<td></td>
<td>STEL</td>
<td>1,000 ppm 2,400 mg/m³</td>
<td>US. OSHA Table Z-1-A (29 CFR 1910.1000) (1989)</td>
</tr>
<tr>
<td>2-Propanol</td>
<td>TWA</td>
<td>200 ppm</td>
<td>US. ACGIH Threshold Limit Values (03 2015)</td>
</tr>
<tr>
<td></td>
<td>STEL</td>
<td>400 ppm</td>
<td>US. ACGIH Threshold Limit Values (03 2015)</td>
</tr>
<tr>
<td></td>
<td>REL</td>
<td>400 ppm 980 mg/m³</td>
<td>US. NIOSH: Pocket Guide to Chemical Hazards (2010)</td>
</tr>
<tr>
<td></td>
<td>STEL</td>
<td>500 ppm 1,225 mg/m³</td>
<td>US. NIOSH: Pocket Guide to Chemical Hazards (2010)</td>
</tr>
<tr>
<td></td>
<td>PEL</td>
<td>400 ppm 980 mg/m³</td>
<td>US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)</td>
</tr>
<tr>
<td></td>
<td>TWA</td>
<td>400 ppm 980 mg/m³</td>
<td>US. OSHA Table Z-1-A (29 CFR 1910.1000) (1989)</td>
</tr>
<tr>
<td></td>
<td>STEL</td>
<td>500 ppm 1,225 mg/m³</td>
<td>US. OSHA Table Z-1-A (29 CFR 1910.1000) (1989)</td>
</tr>
<tr>
<td>Xylene</td>
<td>TWA</td>
<td>100 ppm</td>
<td>US. ACGIH Threshold Limit Values (03 2015)</td>
</tr>
<tr>
<td></td>
<td>STEL</td>
<td>150 ppm</td>
<td>US. ACGIH Threshold Limit Values (03 2015)</td>
</tr>
<tr>
<td></td>
<td>PEL</td>
<td>100 ppm 435 mg/m³</td>
<td>US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)</td>
</tr>
</tbody>
</table>
### Biological Limit Values

<table>
<thead>
<tr>
<th>Chemical Identity</th>
<th>Exposure Limit Values</th>
<th>Source</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acetone (acetone: Sampling time: End of shift.)</td>
<td>25 mg/l (Urine)</td>
<td>ACGIH BEI (03 2015)</td>
</tr>
<tr>
<td>2-Propanol (acetone: Sampling time: End of shift at end of work week.)</td>
<td>40 mg/l (Urine)</td>
<td>ACGIH BEI (03 2015)</td>
</tr>
<tr>
<td>Xylene (Methylhippuric acids: Sampling time: End of shift.)</td>
<td>1.5 g/g (Creatinine in urine)</td>
<td>ACGIH BEI (03 2015)</td>
</tr>
<tr>
<td>Ethylbenzene (Sum of mandelic acid and phenylglyoxylic acid: Sampling time: End of shift.)</td>
<td>0.15 g/g (Creatinine in urine)</td>
<td>ACGIH BEI (03 2015)</td>
</tr>
</tbody>
</table>

### Appropriate Engineering Controls

- No data available.

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

#### General information:

Ventilation and other forms of engineering controls are preferred for controlling exposures. Respiratory protection may be needed for non-routine or emergency situations.

#### Eye/face protection:

Monogoggles
Skin Protection
Hand Protection: Rubber or plastics gloves Nitrile gloves are recommended.
Other: Wear suitable protective clothing and eye/face protection.
Respiratory Protection: If exposure limits are exceeded or respiratory irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Supplied air respirators may be required for non-routine or emergency situations. Respiratory protection must be provided in accordance with OSHA regulations (see 29CFR 1910.134).

Hygiene measures: No data available.

9. Physical and chemical properties

Appearance
Physical state: liquid
Form: liquid
Color: Pale yellow
Odor: Pungent
Odor threshold: No data available.
pH: not applicable
Melting point/freezing point: not applicable
Initial boiling point and boiling range: not applicable
Flash Point: ca. -12 °C
Evaporation rate: No data available.
Flammability (solid, gas): No data available.
Upper/lower limit on flammability or explosive limits
Flammability limit - upper (%): 12.00 % (V)
Flammability limit - lower (%): 2.10 % (V)
Explosive limit - upper (%): No data available.
Explosive limit - lower (%): No data available.
Heat of combustion: No data available.
Vapor pressure: not applicable
Vapor density: No data available.
Density: ca. 0.855 g/cm³
Relative density: 0.80
Solubility(ies)
Solubility in water: hydrolyses
**Solubility (other):** Soluble, Aromatic Solvent

**Partition coefficient (n-octanol/water) Log Pow:** No data available.

**Auto-ignition temperature:** > 343 °C

**Decomposition temperature:** No data available.

**SADT:** No data available.

**Viscosity, dynamic:** No data available.

**Viscosity, kinematic:** < 20.5 mm²/s (25 °C)

**VOC:** 624 g/l

### 10. Stability and reactivity

**Reactivity:** No data available.

**Chemical Stability:** No data available.

**Possibility of hazardous reactions:** Hazardous polymerisation does not occur.

**Conditions to avoid:** Keep away from sources of ignition - No smoking. Keep away from sources of ignition - No smoking.

**Incompatible Materials:** Oxidizing agents.

**Hazardous Decomposition Products:** Carbon dioxide Silicon dioxide.

### 11. Toxicological information

**Information on likely routes of exposure**

<table>
<thead>
<tr>
<th>Route</th>
<th>Data Available</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ingestion</td>
<td>No data available.</td>
</tr>
<tr>
<td>Inhalation</td>
<td>No data available.</td>
</tr>
<tr>
<td>Skin Contact</td>
<td>No data available.</td>
</tr>
<tr>
<td>Eye contact</td>
<td>No data available.</td>
</tr>
</tbody>
</table>

**Symptoms related to the physical, chemical and toxicological characteristics**

<table>
<thead>
<tr>
<th>Route</th>
<th>Data Available</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ingestion</td>
<td>No data available.</td>
</tr>
<tr>
<td>Inhalation</td>
<td>No data available.</td>
</tr>
<tr>
<td>Skin Contact</td>
<td>No data available.</td>
</tr>
<tr>
<td>Eye contact</td>
<td>No data available.</td>
</tr>
</tbody>
</table>
### Information on toxicological effects

#### Acute toxicity (list all possible routes of exposure)

##### Oral

**Product:** No data available.

**Specified substance(s):**

<table>
<thead>
<tr>
<th>Substance</th>
<th>Route</th>
<th>LD 50 (Rat, No data available.)</th>
<th>LD 50 (Mouse, No data available.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acetone</td>
<td></td>
<td>5,800 mg/kg</td>
<td>3,000 mg/kg</td>
</tr>
<tr>
<td>2-Propanol</td>
<td></td>
<td>5,045 mg/kg</td>
<td>3,600 mg/kg</td>
</tr>
<tr>
<td>Xylene</td>
<td></td>
<td>5,000 mg/kg</td>
<td></td>
</tr>
<tr>
<td>Ethylbenzene</td>
<td></td>
<td>2,700 mg/kg</td>
<td></td>
</tr>
<tr>
<td>Tetraethyl Silicate,</td>
<td></td>
<td>6,270 mg/kg</td>
<td>&gt; 2,000 mg/kg</td>
</tr>
<tr>
<td>Tetraethoxysilane</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>n-BUTANOL</td>
<td></td>
<td>790 mg/kg</td>
<td>3,484 mg/kg</td>
</tr>
</tbody>
</table>

##### Dermal

**Product:** No data available.
**Specified substance(s):**

**Acetone**
LD 50 (Rabbit, No data available.): 20,000 mg/kg

**2-Propanol**
LD 50 (Rat): 12,800 mg/kg
LD 50 (Rabbit): 12,800 mg/kg
LD 50 (Rabbit): 12,800 mg/kg

**Xylene**
LD 50 (Rabbit): 2,000 mg/kg
LD 50 (Rat): 2,000 mg/kg

**Ethylbenzene**
LD 50 (Rabbit, No data available.): 15,354 mg/kg
LD 50 (Rabbit, No data available.): 5,000 mg/kg

**Tetraethyl Silicate, Tetraethoxysilane**
LD 50 (Rabbit, No data available.): 5,875 mg/kg

**n-BUTANOL**
LD 50 (Rabbit, No data available.): 3,400 mg/kg
LD 50 (Rat, No data available.): 4,200 mg/kg

**Inhalation Product:**
No data available.

**Specified substance(s):**

**Acetone**
LC50 (Rat, No data available.): 38.6 mg/l
(Rat, No data available.): 7.2 mg/l

**Xylene**
LC50 (Rat): 29.49 mg/l

**Ethylbenzene**
(Rat, No data available.): 3.4 mg/l
(Rat, No data available.): 1.7 mg/l
LC50 (Rat, No data available.): 17.6 mg/l

**Tetraethyl Silicate, Tetraethoxysilane**
TDLo (Rat, No data available.): 1 mg/l

**n-BUTANOL**
LC50 (Rat, No data available.): 24 mg/l

**Repeated dose toxicity Product:**
No data available.
Skin Corrosion/Irritation
Product: No data available.

Serious Eye Damage/Eye Irritation
Product: No data available.

Respiratory or Skin Sensitization
Product: No data available.

Carcinogenicity
Product: No data available.

IARC Monographs on the Evaluation of Carcinogenic Risks to Humans:
Ethylbenzene Overall evaluation: 2B. Possibly carcinogenic to humans.

US. National Toxicology Program (NTP) Report on Carcinogens:
No carcinogenic components identified

No carcinogenic components identified

Germ Cell Mutagenicity
In vitro
Product: No data available.

In vivo
Product: No data available.

Reproductive toxicity
Product: No data available.

Specific Target Organ Toxicity - Single Exposure
Product: No data available.

Specific Target Organ Toxicity - Repeated Exposure
Product: No data available.

Target Organs
Specific Target Organ Toxicity - Single Exposure: respiratory tract irritation, narcotic effects, Central nervous system., Kidneys, Liver
Specific Target Organ Toxicity - Single Exposure: narcotic effects, respiratory tract irritation, Central nervous system., Kidneys, Liver
Specific Target Organ Toxicity - Repeated Exposure: Central nervous system., Kidneys, Liver, Skin, respiratory tract, hearing organs

Aspiration Hazard
Product: No data available.

Other effects: More severe effects if alcohol is consumed., Stimulants such as epinephrine may induce ventricular fibrillation., This product contains a component that showed unexpected acute toxicity to pregnant rabbits in a gavage study conducted by the Chemical Manufacturers Association. There were no unexpected toxic effects in pregnant rats exposed in the same study. No developmental effects were noted in either study. Effect levels in rabbits were several times the maximum exposure which would occur at the TLV for this component.

Contains ethylbenzene, which has shown evidence of carcinogenic activity in animals.

Ingestion: No data available.

Inhalation: No data available.

Skin Contact: No data available.

Eye contact: No data available.

Oral No data available.

Dermal No data available.

Inhalation No data available.

Repeated dose toxicity No data available.
Skin Corrosion/Irritation
No data available.

Serious Eye Damage/Eye Irritation
No data available.

Respiratory or Skin Sensitization
No data available.

Carcinogenicity
No data available.

IARC Monographs on the Evaluation of Carcinogenic Risks to Humans:
No data available.

US. National Toxicology Program (NTP) Report on Carcinogens:
No data available.

No data available.

Germ Cell Mutagenicity
In vitro
No data available.

Germ Cell Mutagenicity
In vivo
No data available.

Reproductive toxicity
No data available.

Specific Target Organ Toxicity - Single Exposure
No data available.

Specific Target Organ Toxicity - Single Exposure
No data available.

Target Organs
Aspiration Hazard
No data available.

Other effects
No data available.

12. Ecological information

Ecotoxicity:

Acute hazards to the aquatic environment:

Fish
Product: No data available.

Specified substance(s):

Acetone
LC50 (Lepomis macrochirus, 96 h): 8,300 mg/l
LC0 (Leuciscus idus, 48 h): 6,320 mg/l
LC50 (Leuciscus idus, 48 h): 7,505 mg/l

2-Propanol
LC50 (Leuciscus idus, 48 h): 8,970 mg/l
LC50 (Pimephales promelas, 96 h): > 65,500 mg/l

Xylene
LC50 (Leuciscus idus, 48 h): 86 mg/l
LC50 (Pimephales promelas, 96 h): 13.4 mg/l
LC50 (Salmo gairdneri, 96 h): 14 mg/l

Ethylbenzene
LC0 (Leuciscus idus, 48 h): 26 mg/l
LC100 (Leuciscus idus, 48 h): 70 mg/l
LC50 (Leuciscus idus, 48 h): 44 mg/l
LC50 (Salmo gairdneri, 96 h): 4.2 mg/l

Tetraethyl Silicate, Tetraethoxysilane
LC100 (No data available, 24 h): 9,000 mg/l
LC50 (Brachydanio rerio, 96 h): > 245 mg/l

n-BUTANOL
LC0 (Leuciscus idus, 48 h): > 1,000 mg/l
LC50 (Leuciscus idus, 48 h): 1,520 mg/l
LC50 (Pimephales promelas, 96 h): 1,730 mg/l

Aquatic Invertebrates
Product: No data available.

Specified substance(s):

2-Propanol
EC50 (Daphnia magna, 24 h): > 10,000 mg/l
EC0 (Daphnia magna): 500 mg/l

Xylene
EC50 (Daphnia magna, 24 h): 165 mg/l

Ethylbenzene
LC0 (Daphnia magna): 137 mg/l
(Daphnia magna): 184 mg/l
LC100 (Daphnia magna): 200 mg/l
Tetraethyl Silicate, Tetraethoxysilane
EC50 (Blue Crab): 7,800 mg/l

Chronic hazards to the aquatic environment:

Fish
Product: No data available.

Aquatic Invertebrates
Product: No data available.

Toxicity to Aquatic Plants
Product: No data available.

Persistence and Degradability

Biodegradation
Product: No data available.

Specified substance(s):
- Acetone 50 % (5 d, No data available.)
  78 % (28 d, No data available.)
- 2-Propanol 82.5 % (5 d, No data available.)
- Ethylbenzene 68 % (28 d, No data available.)
- Tetraethyl Silicate, Tetraethoxysilane 98 % (28 d, OECD-Guideline 301 A (DOC Die-Away Test)) Readily biodegradable

BOD/COD Ratio
Product: No data available.

Bioaccumulative Potential

Bioconcentration Factor (BCF)
Product: No data available.

Partition Coefficient n-octanol / water (log Kow)
Product: No data available.
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: No data available.
- n-BUTANOL: No data available.

Known or predicted distribution to environmental compartments
- Polyalkylsiloxane: No data available.

Other Adverse Effects: No data available.

13. Disposal considerations

Disposal instructions:
Disposal should be made in accordance with federal, state and local regulations.

Contaminated Packaging:
Dispose of as unused product.

14. Transport information

DOT
- UN Number: UN 1993
- UN Proper Shipping Name: Flammable liquids, n.o.s. (Acetone, Isopropanol)
- Transport Hazard Class(es): 3
  - Label(s): 3
- Packing Group: II
- Marine Pollutant: No

IMDG
- UN Number: UN 1993
- UN Proper Shipping Name: FLAMMABLE LIQUID, N.O.S. (Acetone, Isopropanol)
- Transport Hazard Class(es): 3
  - Label(s): 3
  - EmS No.: F-E, S-E
- Packing Group: II
- Marine Pollutant: No
- Limited quantity: 1.00L
- Excepted quantity: E2
IATA

UN Number: UN 1993
Proper Shipping Name: Flammable liquid, n.o.s. (Acetone, Isopropanol)
Transport Hazard Class(es):
   Class: 3
   Label(s): 3
Packing Group: II
   Cargo aircraft only Packing Instructions: 364
   Passenger and cargo aircraft Packing Instructions: 364
   Limited quantity: 1.00 L
   Packing Instructions: Y341

Excepted quantity E2

Environmental Hazards: Not regulated.
Marine Pollutant: No

15. Regulatory information

US Federal Regulations

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)
None present or none present in regulated quantities.

CERCLA Hazardous Substance List (40 CFR 302.4):

<table>
<thead>
<tr>
<th>Chemical Identity</th>
<th>Reportable quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acetone</td>
<td>5,000 lbs.</td>
</tr>
<tr>
<td>2-Propanol</td>
<td>100 lbs.</td>
</tr>
<tr>
<td>Xylene</td>
<td>100 lbs.</td>
</tr>
<tr>
<td>Ethylbenzene</td>
<td>1,000 lbs.</td>
</tr>
<tr>
<td>n-BUTANOL</td>
<td>5,000 lbs.</td>
</tr>
</tbody>
</table>

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories
Fire Hazard
Immediate (Acute) Health Hazards
Delayed (Chronic) Health Hazard

SARA 302 Extremely Hazardous Substance
None present or none present in regulated quantities.
SARA 304 Emergency Release Notification

<table>
<thead>
<tr>
<th>Chemical Identity</th>
<th>Reportable quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acetone</td>
<td>5,000 lbs.</td>
</tr>
<tr>
<td>2-Propanol</td>
<td>100 lbs.</td>
</tr>
<tr>
<td>Xylene</td>
<td>100 lbs.</td>
</tr>
<tr>
<td>Ethylbenzene</td>
<td>1,000 lbs.</td>
</tr>
<tr>
<td>n-BUTANOL</td>
<td>5,000 lbs.</td>
</tr>
</tbody>
</table>

SARA 311/312 Hazardous Chemical

<table>
<thead>
<tr>
<th>Chemical Identity</th>
<th>Threshold Planning Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acetone</td>
<td>10000 lbs</td>
</tr>
<tr>
<td>2-Propanol</td>
<td>10000 lbs</td>
</tr>
<tr>
<td>Xylene</td>
<td>10000 lbs</td>
</tr>
<tr>
<td>Ethylbenzene</td>
<td>10000 lbs</td>
</tr>
<tr>
<td>Tetraethyl Silicate,</td>
<td>10000 lbs</td>
</tr>
<tr>
<td>Tetraethoxysilane</td>
<td>10000 lbs</td>
</tr>
<tr>
<td>n-BUTANOL</td>
<td>10000 lbs</td>
</tr>
</tbody>
</table>

SARA 313 (TRI Reporting)

<table>
<thead>
<tr>
<th>Chemical Identity</th>
<th>Reporting threshold for manufacturing and processing</th>
</tr>
</thead>
<tbody>
<tr>
<td>2-Propanol</td>
<td></td>
</tr>
<tr>
<td>Xylene</td>
<td></td>
</tr>
<tr>
<td>Ethylbenzene</td>
<td></td>
</tr>
<tr>
<td>n-BUTANOL</td>
<td></td>
</tr>
</tbody>
</table>

Clean Water Act Section 311 Hazardous Substances (40 CFR 117.3)

<table>
<thead>
<tr>
<th>Chemical Identity</th>
<th>Reportable quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>Xylene</td>
<td>Reportable quantity: 100 lbs.</td>
</tr>
<tr>
<td>Ethylbenzene</td>
<td>Reportable quantity: 1,000 lbs.</td>
</tr>
</tbody>
</table>

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130):

None present or none present in regulated quantities.

US State Regulations

US. California Proposition 65

This product contains chemical(s) known to the State of California to cause cancer and/or to cause birth defects or other reproductive harm.

- Ethylbenzene: No significant risk level: 41 µg/day. Carcinogenic.
- Ethanol: Developmental toxin.
- Toluene: Maximum Allowable Dose Level (MADL): 13000 µg/day. Developmental toxin.
- Benzene: Maximum Allowable Dose Level (MADL): 49 µg/day. Developmental toxin.
US. New Jersey Worker and Community Right-to-Know Act

**Chemical Identity**
- Acetone
- 2-Propanol
- Xylene
- Polyalkylsiloxane
- Ethylbenzene
- Tetraethyl Silicate, Tetraethoxysilane
- n-BUTANOL

US. Massachusetts RTK - Substance List

**Chemical Identity**
- 2-Propanol
- Xylene
- Ethylbenzene
- Tetraethyl Silicate, Tetraethoxysilane
- n-BUTANOL
- Benzene

US. Pennsylvania RTK - Hazardous Substances

**Chemical Identity**
- 2-Propanol
- Xylene
- Ethylbenzene
- Tetraethyl Silicate, Tetraethoxysilane
- n-BUTANOL

US. Rhode Island RTK

**Chemical Identity**
- 2-Propanol
- Xylene
- n-BUTANOL
Inventory Status:

<table>
<thead>
<tr>
<th>Inventory</th>
<th>Status</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>Australia AICS:</td>
<td>y (positive listing)</td>
<td>None.</td>
</tr>
<tr>
<td>Canada DSL Inventory List:</td>
<td>y (positive listing)</td>
<td>None.</td>
</tr>
<tr>
<td>EU EINECS List:</td>
<td>y (positive listing)</td>
<td>None.</td>
</tr>
<tr>
<td>Japan (ENCS) List:</td>
<td>y (positive listing)</td>
<td>None.</td>
</tr>
<tr>
<td>China Inventory of Existing Chemical Substances:</td>
<td>y (positive listing)</td>
<td>None.</td>
</tr>
<tr>
<td>Korea Existing Chemicals Inv. (KECI):</td>
<td>y (positive listing)</td>
<td>None.</td>
</tr>
<tr>
<td>Canada NDSL Inventory:</td>
<td>n (Negative listing)</td>
<td>None.</td>
</tr>
<tr>
<td>Philippines PICCS:</td>
<td>y (positive listing)</td>
<td>Remarks: None.</td>
</tr>
<tr>
<td>US TSCA Inventory:</td>
<td>y (positive listing)</td>
<td>Remarks: None.</td>
</tr>
<tr>
<td>New Zealand Inventory of Chemicals:</td>
<td>n (Negative listing)</td>
<td>Remarks: None.</td>
</tr>
<tr>
<td>Taiwan. Taiwan inventory (CSNN):</td>
<td>y (positive listing)</td>
<td>Remarks: None.</td>
</tr>
</tbody>
</table>

16. Other information, including date of preparation or last revision

HMIS Hazard ID

![HMIS Hazard ID](image)

Hazard rating: 0 - Minimal; 1 - Slight; 2 - Moderate; 3 - Serious; 4 - Severe; RNP - Rating not possible; *Chronic health effect

Issue Date: 09/02/2016

Revision Date: No data available.

Version #: 1.12

Further Information: No data available.
Disclaimer:

Notice to reader

Unless otherwise specified in section 1, Momentive products are intended for use in the manufacture and/or formulation of products and are not intended for direct consumer use. These products are not intended for long-lasting (>30 days) implantation, injection or direct ingestion into the human body, nor for use in the manufacture of multiple use contraceptives. Keep out of the reach of children.

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.

®, *, and TM indicate trademarks owned by or licensed to Momentive.