

SS4004P

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: SS4004P

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 GmbH
 Chempark Leverkusen Gebaeude V7
 DE - 51368 Leverkusen
 Germany

Contact person : MomentiveEMEA.productsteward@momentive.com

Telephone : General information
 00800.4321.1000 (Customer Service Centre)

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

SS4004P

Aspiration Hazard

Category 1⁺

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.
H332: Harmful if inhaled.
H315: Causes skin irritation.
H319: Causes serious eye irritation.
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	1,91 %
Acute toxicity, dermal	1,91 %
Acute toxicity, inhalation, vapor	1,91 %
Acute toxicity, inhalation, dust or mist	1,91 %

SS4004P

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

SS4004P

		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

- Inhalation:** Move to fresh air. Get medical attention if symptoms persist.
- Eye contact:** If in eyes, hold eyes open, flood with water for at least 15 minutes and see a doctor. Consult a physician for specific advice.
- Skin Contact:** Wash off promptly and flush contaminated skin with water. Promptly remove clothing if soaked through and flush skin with water. Contact physician if irritation continues.
- Ingestion:** If swallowed, do NOT induce vomiting. Give a glass of water. Get medical attention if symptoms persist.

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

- Hazards:** No data available.
- Treatment:** If in eyes, hold eyes open, flood with water for at least 15 minutes and see a doctor. If swallowed, do NOT induce vomiting. Give a glass of water. Remove from contaminated area. Apply artificial respiration if not breathing. If swallowed, rinse mouth with water (only if the person is conscious).

SECTION 5: Firefighting measures

General Fire Hazards: Collect contaminated fire extinguishing water separately. This must not be discharged into drains. Use water spray to keep fire-exposed containers cool. Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA. Move containers from fire area if you can do so without risk.

5.1 Extinguishing media
Suitable extinguishing media:

All standard extinguishing agents are suitable.

Unsuitable extinguishing media:

Avoid water in straight hose stream; will scatter and spread fire.

SS4004P

- 5.2 Special hazards arising from the substance or mixture:** Vapors are heavier than air and may spread near ground to sources of ignition. Vapours may form explosive mixture with air.
- 5.3 Advice for firefighters
 Special fire fighting procedures:** Take precautionary measures against static discharges. Product may charge electrostatically during pouring or filling. All equipment used when handling the product must be grounded.
- Special protective equipment for fire-fighters:** Self-contained breathing apparatus.

SECTION 6: Accidental release measures

- 6.1 Personal precautions, protective equipment and emergency procedures:** Avoid contact with eyes, skin, and clothing. Use personal protective equipment. Evacuate area. Remove sources of ignition. Keep unprotected persons away.
- 6.2 Environmental Precautions:** Do not allow runoff to sewer, waterway or ground.
- 6.3 Methods and material for containment and cleaning up:** In case of spills, beware of slippery floors and surfaces. Contain spillages with sand, earth or any suitable adsorbent material. 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:** Avoid contact with eyes, skin, and clothing. Do not taste or swallow. Wash hands after handling. See Section 8 of the SDS for Personal Protective Equipment. Product may charge electrostatically during pouring or filling. All equipment used when handling the product must be grounded.
- 7.2 Conditions for safe storage, including any incompatibilities:** Keep away from heat, sparks and open flame. Store in original tightly closed container.
- 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)
2-Propanol	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)
	TWA	400 ppm 999 mg/m3	UK. EH40 Workplace Exposure Limits (WELs) (12 2011)
Xylene	STEL	500 ppm 1.250 mg/m3	UK. EH40 Workplace Exposure Limits (WELs) (12 2011)
	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)

SS4004P

	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) (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: No data available.

Individual protection measures, such as personal protective equipment

General information: Use only in well-ventilated areas.

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

Skin protection

Hand Protection:

Material: 395 Combi-Latex
Minimum break through time: 10 min
Glove thickness: 1,0 mm
Guideline: EN 374
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: No data available.

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

Hygiene measures: Ensure adequate ventilation, especially in confined areas. 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

SS4004P

9.1 Information on basic physical and chemical properties

Appearance

Physical state:	liquid
Form:	liquid
Color:	Red
Odor:	Pungent
Odor Threshold:	No data available.
pH:	No data available.
Freezing point:	No data available.
Boiling Point:	56,5 °C
Flash Point:	ca. -12 °C
Evaporation Rate:	> 1
Flammability (solid, gas):	No data available.
Flammability Limit - Upper (%):	12 %(V)
Flammability Limit - Lower (%):	1 %(V)
Vapor pressure:	No data available.
Vapor density (air=1):	No data available.
Density:	ca. 0,855 g/cm ³
Relative density:	ca. 0,80
Solubility(ies)	
Solubility in Water:	partly miscible
Solubility (other):	No data available.
Partition coefficient (n-octanol/water) Log Pow:	No data available.
Autoignition Temperature:	> 343 °C
Decomposition Temperature:	Fire or excessive heat may produce hazardous decomposition products.
SADT:	No data available.
Viscosity, dynamic:	No data available.
Viscosity, kinematic:	< 20,5 mm ² /s (25 °C)
Explosive properties:	No data available.
Oxidizing properties:	No data available.

SECTION 10: Stability and reactivity

10.1 Reactivity:	No data available.
10.2 Chemical Stability:	Material is stable under normal conditions.
10.3 Possibility of hazardous reactions:	Hazardous polymerisation does not occur. Avoid heat, sparks, open flames and other ignition sources.
10.4 Conditions to avoid:	Heat, sparks, flames.
10.5 Incompatible Materials:	No data available.
10.6 Hazardous Decomposition Products:	Carbon oxides Measurements at temperatures above 150°C in presence of air (oxygen) have shown that small amounts of formaldehyde are formed due to oxidative degradation.

SECTION 11: Toxicological information

SS4004P

General information: 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.

Information on likely routes of exposure

- Inhalation:** No data available.
- Ingestion:** No data available.
- Skin Contact:** Causes skin irritation.
- Eye contact:** Causes eye irritation.

11.1 Information on toxicological effects

Acute toxicity

Oral

- Product:** ATEmix: 47.068,64 mg/kg
- 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.

Dermal

- Product:** ATEmix: 10.255,46 mg/kg
- 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.

Inhalation

- Product:** ATEmix56,41 mg/l Vapour
 ATEmix64,63 mg/l Dusts, mists and fumes

- Specified substance(s)**
 - Acetone No data available.
 - 2-Propanol No data available.
 - Xylene
 - Ethylbenzene No data available.
 - Tetraethyl Silicate, No data available.
 - Tetraethoxysilane
 - n-BUTANOL No data available.

Repeated dose toxicity

- Product:** No data available.
- Specified substance(s)**
 - Acetone No data available.
 - 2-Propanol No data available.
 - Xylene No data available.

SS4004P

Ethylbenzene	No data available.
Tetraethyl Silicate,	NOAEL (Rat(male and female), Oral, 28 d): 10 - 50 mg/kg
Tetraethoxysilane	LOAEL (Mouse(males), Inhalation, 28 d): 50 mg/kg
n-BUTANOL	No data available.

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.

SS4004P

Specified substance(s)

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

Target Organs:

SS4004P

narcotic effects

narcotic effects

Aspiration Hazard

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.) LC0 (Leuciscus idus, 48 h): 6.320 mg/l (No data available.) LC50 (Leuciscus idus, 48 h): 7.505 mg/l (No data available.)
2-Propanol	LC50 (Leuciscus idus, 48 h): 8.970 mg/l (No data available.) LC50 (Pimephales promelas, 96 h): > 65.500 mg/l (No data available.)
Xylene	LC50 (Leuciscus idus, 48 h): 86 mg/l (not applicable) LC50 (Pimephales promelas, 96 h): 13,4 mg/l (No data available.) LC50 (Salmo gairdneri, 96 h): 14 mg/l (No data available.)
Ethylbenzene	LC0 (Leuciscus idus, 48 h): 26 mg/l (No data available.) LC100 (Leuciscus idus, 48 h): 70 mg/l (No data available.) LC50 (Leuciscus idus, 48 h): 44 mg/l (No data available.) LC50 (Salmo gairdneri, 96 h): 4,2 mg/l (No data available.)
Tetraethyl Silicate, Tetraethoxysilane n-BUTANOL	LC50 (Brachydanio rerio, 96 h): > 245 mg/l (Tested according to Directive 92/69/EEC.) LC0 (Leuciscus idus, 48 h): > 1.000 mg/l (No data available.) LC50 (Leuciscus idus, 48 h): 1.520 mg/l (No data available.) 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.) 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.) (Daphnia magna): 184 mg/l (No data available.) LC100 (Daphnia magna): 200 mg/l (No data available.)

SS4004P

Tetraethyl Silicate, EC50 (Daphnia magna, 48 h): > 75 mg/l (OECD-Guideline 202)
 Tetraethoxysilane
 n-BUTANOL No data available.

Chronic Toxicity

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 (Pseudokirchneriella subcapitata), 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 %
 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.

SS4004P

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.

12.3 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:

The generation of waste should be avoided or minimized wherever possible. See Section 8 for information on appropriate personal protective equipment. Do not discharge into drains, water courses or onto the ground.

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)

SS4004P

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

Limited quantity 1,00L

Excepted quantity E2

14.5 Environmental Hazards: Not regulated.
Marine Pollutant No

ADN

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

RID

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

IMDG

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

IATA

14.1 UN Number: UN 1993

SS4004P

- 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: 364
 Instructions:
 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

SS4004P

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%
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: None.
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

SS4004P

Eye Dam. 2, H319
Eye Dam. 2, H319
STOT SE 3, H336
STOT SE 3, H336

Issue Date: 06.12.2016
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.

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