

SS4044P

# 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** : Momentive Performance Materials LLC  
260 Hudson River Road  
Waterford NY 12188

**Distributor Information** : DC Products Pty Limited  
Unit 117/45 Gilby Road  
Mount Waverley 3149  
Australia

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**Telephone** : +613 9558 8898

**Emergency telephone number** : +61 418 529 118

## 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  
Specific Target Organ Toxicity -  
Single Exposure Category 3<sup>1</sup>.  
Specific Target Organ Toxicity -  
Repeated Exposure Category 1<sup>2</sup>.  
Specific Target Organ Toxicity -  
Repeated Exposure Category 2<sup>3</sup>.

**Target Organs**

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1. Respiratory tract irritation., Narcotic effect.
2. Skin, Liver, Central nervous system., Kidney
3. hearing

**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 %

**Label Elements**

**Hazard Symbol:**



**Signal Word:** Danger

**Hazard Statement:** H225; Highly flammable liquid and vapor. H315; Causes skin irritation. H319; Causes serious eye irritation. H335; May cause respiratory irritation. H336; May cause drowsiness or dizziness. H372; Causes damage to organs through prolonged or repeated exposure.

**Precautionary Statements**

**Prevention:** Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Keep container tightly closed. Ground and bond container and receiving equipment. Use explosion-proof [electrical/ventilating/lighting/...] equipment. Use non-sparking tools. Take action to prevent static discharges. Wear protective gloves/protective clothing/eye protection/face protection. Wash thoroughly after handling. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Use personal protective equipment as required. Do not breathe dust/fume/gas/mist/vapors/spray. Do not eat, drink or smoke when using this product. Use only outdoors or in a well-ventilated area.

**Response :** IF INHALED: Remove person to fresh air and keep comfortable for breathing. 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: Get medical advice/attention. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower]. If skin irritation occurs: Get medical advice/attention. Specific treatment (see on this label). Take off contaminated clothing. In case of fire: Use alcohol

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resistant foam for extinction.

**Storage:** Store in a well-ventilated place. Keep cool. Store locked up. Keep container tightly closed.

**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:** Static accumulating flammable liquid can become electrostatically charged even in bonded and grounded equipment. Sparks may ignite liquid and vapor. May cause flash fire or explosion.

**3. Composition/information on ingredients**

**Mixtures**

Chemical Identity	CAS number	Content in percent (%)*	Notes
Acetone	67-64-1	20 - <50%	# This substance has workplace exposure limit(s).
2-Propanol	67-63-0	20 - <50%	# This substance has workplace exposure limit(s).
Xylene	1330-20-7	10 - <20%	# This substance has workplace exposure limit(s).
Ethylbenzene	100-41-4	5 - <10%	# This substance has workplace exposure limit(s).
Tetraethyl Silicate	78-10-4	1 - <5%	# This substance has workplace exposure limit(s).
n-BUTANOL	71-36-3	1 - <3%	# This substance has workplace exposure limit(s).

\* 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.

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**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.

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**5. Fire-fighting measures**

**General Fire Hazards:** Do not use water jet as an extinguisher, as this will spread the fire. Use water spray to keep fire-exposed containers cool.

**Suitable (and unsuitable) extinguishing media**

**Suitable extinguishing media:** Alcohol resistant foam. Carbon dioxide Dry chemical.

**Unsuitable extinguishing media:** Avoid water in straight hose stream; will scatter and spread fire.

**Specific hazards arising from the chemical:** Vapors are flammable and heavier than air. Vapors may travel across the ground and reach remote ignition sources causing a flashback fire danger. Ground container and transfer equipment to eliminate static electric sparks.

**Special protective equipment and precautions for firefighters**

**Special fire fighting procedures:** Keep away from sources of ignition - No smoking. 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:** Firefighters must wear NIOSH/MSHA approved positive pressure self-contained breathing apparatus with full face mask and full protective clothing.

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**6. Accidental release measures**

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**Personal precautions, protective equipment and emergency procedures:** Avoid contact with eyes, skin, and clothing. Keep out of reach of children. Attention: Not for injection into humans.

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

**Notification Procedures:** ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area).

**Environmental Precautions:** Avoid discharge into drains, water courses or onto the ground.

**7. Handling and storage**

**Precautions for safe handling:** Sensitivity to static discharge is expected; material has a flash point below 200 F. Do not breathe vapor/spray. Do not taste or swallow. Avoid contact with eyes, skin, and clothing. See Section 8 of the SDS for Personal Protective Equipment. Wash hands after handling. Material can accumulate static charges which may cause an electrical spark (ignition source). Use proper bonding and/or grounding procedures.

**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**

**Occupational Exposure Limits**

Chemical Identity	Type	Exposure Limit Values	Source
Acetone	TWA	250 ppm	US. ACGIH Threshold Limit Values (03 2015)
	STEL	500 ppm	US. ACGIH Threshold Limit Values (03 2015)
	REL	250 ppm 590 mg/m3	US. NIOSH: Pocket Guide to Chemical Hazards (2010)
	PEL	1,000 ppm 2,400 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)
	TWA	750 ppm 1,800 mg/m3	US. OSHA Table Z-1-A (29 CFR 1910.1000) (1989)
	STEL	1,000 ppm 2,400 mg/m3	US. OSHA Table Z-1-A (29 CFR 1910.1000) (1989)
	TWA	750 ppm 1,800 mg/m3	US. Tennessee. OELs. Occupational Exposure Limits, Table Z1A (06 2008)
	STEL	1,000 ppm 2,400 mg/m3	US. Tennessee. OELs. Occupational Exposure Limits, Table Z1A (06 2008)
	ST ESL	7,800 µg/m3	US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality) (11 2016)
	AN ESL	4,800 µg/m3	US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality) (11 2016)
	ST ESL	3,300 ppb	US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality) (11 2016)

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				2016)
	AN ESL		2,000 ppb	US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality) (11 2016)
	Ceiling	3,000 ppm		US. California Code of Regulations, Title 8, Section 5155. Airborne Contaminants (01 2015)
	STEL	750 ppm	1,780 mg/m3	US. California Code of Regulations, Title 8, Section 5155. Airborne Contaminants (01 2015)
	TWA PEL	500 ppm	1,200 mg/m3	US. California Code of Regulations, Title 8, Section 5155. Airborne Contaminants (01 2015)
2-Propanol	TWA	200 ppm		US. ACGIH Threshold Limit Values (03 2015)
	STEL	400 ppm		US. ACGIH Threshold Limit Values (03 2015)
	REL	400 ppm	980 mg/m3	US. NIOSH: Pocket Guide to Chemical Hazards (2010)
	STEL	500 ppm	1,225 mg/m3	US. NIOSH: Pocket Guide to Chemical Hazards (2010)
	PEL	400 ppm	980 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)
	TWA	400 ppm	980 mg/m3	US. OSHA Table Z-1-A (29 CFR 1910.1000) (1989)
	STEL	500 ppm	1,225 mg/m3	US. OSHA Table Z-1-A (29 CFR 1910.1000) (1989)
	STEL	500 ppm	1,225 mg/m3	US. Tennessee. OELs. Occupational Exposure Limits, Table Z1A (06 2008)
	TWA	400 ppm	980 mg/m3	US. Tennessee. OELs. Occupational Exposure Limits, Table Z1A (06 2008)
	AN ESL		492 µg/m3	US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality) (11 2016)
	ST ESL		4,920 µg/m3	US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality) (11 2016)
	AN ESL		200 ppb	US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality) (11 2016)
	ST ESL		2,000 ppb	US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality) (11 2016)
	STEL	500 ppm	1,225 mg/m3	US. California Code of Regulations, Title 8, Section 5155. Airborne Contaminants (01 2015)
	TWA PEL	400 ppm	980 mg/m3	US. California Code of Regulations, Title 8, Section 5155. Airborne Contaminants (01 2015)
Xylene	TWA	100 ppm		US. ACGIH Threshold Limit Values (03 2015)
	STEL	150 ppm		US. ACGIH Threshold Limit Values (03 2015)
	STEL	150 ppm	655 mg/m3	US. NIOSH: Pocket Guide to Chemical Hazards (2016)
	REL	100 ppm	435 mg/m3	US. NIOSH: Pocket Guide to Chemical Hazards (2016)
	PEL	100 ppm	435 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)
	TWA	100 ppm	435 mg/m3	US. OSHA Table Z-1-A (29 CFR 1910.1000) (1989)
	STEL	150 ppm	655 mg/m3	US. OSHA Table Z-1-A (29 CFR 1910.1000) (1989)
	TWA	100 ppm	435 mg/m3	US. Tennessee. OELs. Occupational Exposure Limits, Table Z1A (06 2008)
	STEL	150 ppm	655 mg/m3	US. Tennessee. OELs. Occupational Exposure Limits, Table Z1A (06 2008)
	AN ESL		41 ppb	US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality) (11

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					2016)
	AN ESL	180 µg/m3			US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality) (11 2016)
	ST ESL	2,200 µg/m3			US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality) (11 2016)
	ST ESL	510 ppb			US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality) (11 2016)
	TWA PEL	100 ppm	435 mg/m3		US. California Code of Regulations, Title 8, Section 5155. Airborne Contaminants (01 2015)
	Ceiling	300 ppm			US. California Code of Regulations, Title 8, Section 5155. Airborne Contaminants (01 2015)
	STEL	150 ppm	655 mg/m3		US. California Code of Regulations, Title 8, Section 5155. Airborne Contaminants (01 2015)
Ethylbenzene	TWA	20 ppm			US. ACGIH Threshold Limit Values (03 2015)
	REL	100 ppm	435 mg/m3		US. NIOSH: Pocket Guide to Chemical Hazards (2010)
	STEL	125 ppm	545 mg/m3		US. NIOSH: Pocket Guide to Chemical Hazards (2010)
	PEL	100 ppm	435 mg/m3		US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)
	TWA	100 ppm	435 mg/m3		US. OSHA Table Z-1-A (29 CFR 1910.1000) (1989)
	STEL	125 ppm	545 mg/m3		US. OSHA Table Z-1-A (29 CFR 1910.1000) (1989)
	TWA	100 ppm	435 mg/m3		US. Tennessee. OELs. Occupational Exposure Limits, Table Z1A (06 2008)
	STEL	125 ppm	545 mg/m3		US. Tennessee. OELs. Occupational Exposure Limits, Table Z1A (06 2008)
	ST ESL		26,000 µg/m3		US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality) (11 2016)
	AN ESL		570 µg/m3		US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality) (11 2016)
	ST ESL		6,000 ppb		US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality) (11 2016)
	AN ESL		130 ppb		US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality) (11 2016)
	STEL	30 ppm	130 mg/m3		US. California Code of Regulations, Title 8, Section 5155. Airborne Contaminants (01 2015)
	TWA PEL	5 ppm	22 mg/m3		US. California Code of Regulations, Title 8, Section 5155. Airborne Contaminants (01 2015)
Tetraethyl Silicate	TWA	10 ppm			US. ACGIH Threshold Limit Values (03 2015)
	REL	10 ppm	85 mg/m3		US. NIOSH: Pocket Guide to Chemical Hazards (2010)
	PEL	100 ppm	850 mg/m3		US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)
	TWA	10 ppm	85 mg/m3		US. OSHA Table Z-1-A (29 CFR 1910.1000) (1989)
	TWA	10 ppm	85 mg/m3		US. Tennessee. OELs. Occupational Exposure Limits, Table Z1A (06 2008)
	AN ESL		10 ppb		US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality) (11 2016)
	ST ESL		100 ppb		US. Texas. Effects Screening Levels (Texas

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				Commission on Environmental Quality) (11 2016)
	AN ESL	85 µg/m3		US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality) (11 2016)
	ST ESL	850 µg/m3		US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality) (11 2016)
	TWA PEL	10 ppm	85 mg/m3	US. California Code of Regulations, Title 8, Section 5155. Airborne Contaminants (01 2015)
n-BUTANOL	TWA	20 ppm		US. ACGIH Threshold Limit Values (03 2015)
	Ceiling	50 ppm	150 mg/m3	US. NIOSH: Pocket Guide to Chemical Hazards (2010)
	PEL	100 ppm	300 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)
	Ceiling	50 ppm	150 mg/m3	US. OSHA Table Z-1-A (29 CFR 1910.1000) (1989)
	Ceiling	50 ppm	150 mg/m3	US. Tennessee. OELs. Occupational Exposure Limits, Table Z1A (06 2008)
	AN ESL		61 µg/m3	US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality) (11 2016)
	ST ESL		610 µg/m3	US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality) (11 2016)
	AN ESL		20 ppb	US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality) (11 2016)
	ST ESL		200 ppb	US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality) (11 2016)
	Ceiling	50 ppm	150 mg/m3	US. California Code of Regulations, Title 8, Section 5155. Airborne Contaminants (01 2015)

**Biological Limit Values**

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

**Appropriate Engineering Controls**

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

**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.



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**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:** 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.

**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 :** > 36 °C

**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/cm<sup>3</sup>

**Relative density:** 0.80

**Solubility(ies)**

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<b>Solubility in water:</b>	hydrolyses
<b>Solubility (other):</b>	Soluble, Aromatic Solvent
<b>Partition coefficient (n-octanol/water) Log Pow:</b>	No data available.
<b>Auto-ignition temperature :</b>	> 343 °C
<b>Decomposition temperature:</b>	No data available.
<b>SADT:</b>	No data available.
<b>Viscosity, dynamic:</b>	No data available.
<b>Viscosity, kinematic:</b>	< 20.5 mm <sup>2</sup> /s (25 °C)
<b>VOC:</b>	624 g/l ;

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**10. Stability and reactivity**

<b>Reactivity:</b>	No dangerous reaction if used as recommended.
<b>Chemical Stability:</b>	Material is stable under normal conditions.
<b>Possibility of hazardous reactions:</b>	Hazardous polymerisation does not occur.
<b>Conditions to avoid:</b>	Keep away from sources of ignition - No smoking.
<b>Incompatible Materials:</b>	Oxidizing agents.
<b>Hazardous Decomposition Products:</b>	Carbon dioxide Silicon dioxide.

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**11. Toxicological information**

**Information on likely routes of exposure**

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

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

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

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**Information on toxicological effects**

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

**Oral**

**Product:** ATEmix : 29,790.28 mg/kg

**Dermal**

**Product:** ATEmix : 5,640.5 mg/kg

**Inhalation**

**Product:** ATEmix: 39.95 mg/l  
ATEmix : 64.63 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:** No carcinogenic components identified

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

**US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050):** No carcinogenic components identified

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**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 effect.

Specific Target Organ Toxicity - Repeated Exposure: Skin, Liver, Central nervous system., Kidney

Specific Target Organ Toxicity - Repeated Exposure: hearing

**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.

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**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

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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	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	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.

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**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	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.
n-BUTANOL	No data available.

**Other adverse effects:** No data available.

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**13. Disposal considerations**

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

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

**Contaminated Packaging:** Dispose of as unused product.

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**14. Transport information**

**DOT**

UN Number:	UN 1993
UN Proper Shipping Name:	Flammable liquids, n.o.s.(Acetone, Isopropanol)
Transport Hazard Class(es)	
Class:	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)	
Class:	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	364
Instructions:	
Passenger and cargo aircraft	364
Packing Instructions:	
Limited quantity:	Y341
Packing Instructions:	
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.

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**CERCLA Hazardous Substance List (40 CFR 302.4):**

<u>Chemical Identity</u>	<u>Reportable quantity</u>
Acetone	5,000 lbs.
2-Propanol	100 lbs.
Xylene	100 lbs.
Ethylbenzene	1,000 lbs.
n-BUTANOL	5,000 lbs.

**Superfund Amendments and Reauthorization Act of 1986 (SARA)**

**Hazard categories**

- Flammable (gases, aerosols, liquids, or solids)
- Skin Corrosion or Irritation
- Serious eye damage or eye irritation
- Reproductive toxicity
- Specific target organ toxicity (single or repeated exposure)
- Hazards Not Otherwise Classified (HNOC)

**SARA 302 Extremely Hazardous Substance**

None present or none present in regulated quantities.

**SARA 304 Emergency Release Notification**

<u>Chemical Identity</u>	<u>Reportable quantity</u>
Acetone	5,000 lbs.
2-Propanol	100 lbs.
Xylene	100 lbs.
Ethylbenzene	1,000 lbs.
n-BUTANOL	5,000 lbs.

**SARA 311/312 Hazardous Chemical**

<u>Chemical Identity</u>	<u>Threshold Planning Quantity</u>
Acetone	10000 lbs
2-Propanol	10000 lbs
Xylene	10000 lbs
Ethylbenzene	10000 lbs
Tetraethyl Silicate	10000 lbs
n-BUTANOL	10000 lbs

**SARA 313 (TRI Reporting)**

<u>Chemical Identity</u>	<u>Reporting threshold for other users</u>	<u>Reporting threshold for manufacturing and processing</u>
2-Propanol		
Xylene		
Ethylbenzene		
n-BUTANOL		

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

<u>Chemical Identity</u>	<u>Reportable quantity</u>
Xylene	Reportable quantity: 100 lbs.
Ethylbenzene	Reportable quantity: 1,000 lbs.



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**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**



**WARNING**

Cancer and Reproductive Harm - [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)

**US. New Jersey Worker and Community Right-to-Know Act**

**Chemical Identity**

Acetone  
2-Propanol Xylene  
Polyalkylsiloxane  
Ethylbenzene  
Tetraethyl Silicate  
n-BUTANOL

**US. Massachusetts RTK - Substance List**

**Chemical Identity**

2-Propanol Xylene  
Ethylbenzene  
Tetraethyl Silicate  
n-BUTANOL  
Benzene

**US. Pennsylvania RTK - Hazardous Substances**

**Chemical Identity**

2-Propanol Xylene  
Ethylbenzene  
Tetraethyl Silicate  
n-BUTANOL

**US. Rhode Island RTK**

**Chemical Identity**

2-Propanol  
Xylene  
Tetraethyl Silicate  
n-BUTANOL

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**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.

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

**HMIS Hazard ID**

<b>Health</b>		<b>4</b>
<b>Flammability</b>		<b>3</b>
<b>Physical Hazards</b>		<b>0</b>
<b>PERSONAL PROTECTION</b>		

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

**Issue Date:** 08/24/2018  
**Revision Date:** No data available.  
**Version #:** 3.0  
**Further Information:** No data available.

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**Disclaimer:**

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**Further Information**

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