

SS4004P

SAFETY DATA SHEET

1. Identification of the substance or mixture and of the supplier

GHS Product identifier: SS4004P

Recommended use of the chemical and restrictions on use

Recommended use: Primer

Recommended restrictions: For industrial use only.

Supplier's details

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

Distributor Information: DC Products Pty Ltd
Unit 447, 45 Gilby Road, Mount Waverley,
VIC 3149, Australia

Contact person: Viren Kumar
Telephone 61 3 95588898

Emergency telephone number 61 418529118

2. Hazard(s) identification

GHS classification of substance or mixture, and national or regional information :

Physical Hazards

Flammable liquids Category 2

Health Hazards

Skin Corrosion/Irritation Category 2

Serious Eye Damage/Eye Irritation Category 2A

Carcinogenicity Category 2

Specific Target Organ Toxicity -
Single Exposure Category 3

Specific Target Organ Toxicity -
Repeated Exposure Category 1

GHS label elements

Hazard symbol(s):



Signal Word: Danger

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Hazard Statement(s): Highly flammable liquid and vapor.
Causes skin irritation.
Causes serious eye irritation.
Suspected of causing cancer.
May cause respiratory irritation.
May cause drowsiness or dizziness.
Causes damage to organs <or state all organs affected, if known>
through prolonged or repeated exposure <state route of exposure if it is
conclusively proven that no other routes of exposure cause the hazard>.

**Precautionary
statement(s):**

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. Use only outdoors or in a
well-ventilated area. Do not breathe dust/fume/gas/mist/vapors/spray.
Do not eat, drink or smoke when using this product.

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.
Call a POISON CENTER/doctor if you feel unwell. Specific treatment
(see on this label). Take off contaminated clothing. In case of fire: Use
dry chemical powder 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:** None.

3. Composition/information on ingredients

Chemical nature: Silicone resin in solvent(s)

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Mixtures

Chemical Identity	CAS number	Concentration*
Acetone	67-64-1	10 - 30%
2-Propanol	67-63-0	10 - 30%
Xylene	1330-20-7	10 - 30%
Ethylbenzene	100-41-4	1 - 10%
Tetraethyl Silicate	78-10-4	1 - 10%
n-BUTANOL	71-36-3	1 - 10%

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

4. First-aid measures

General information: For advice, contact a Poisons information Centre (Phone eg Australia 131 126; New Zealand 03 4747 000) or a doctor (at once).

Description of necessary first-aid measures

Inhalation: Move to fresh air. Get medical attention if symptoms persist.

Skin Contact: If skin or hair contact occurs, remove contaminated clothing and flush skin and hair with running water.

Eye contact: If in eyes wash out immediately with water.

Ingestion: Get medical attention if symptoms persist. Immediately give a glass of water. If in eyes wash out immediately with water.

Symptoms caused by exposure

Symptoms: No data available.

Hazards: No data available.

Medical attention and special treatment

Treatment: Not relevant.

5. Fire-fighting measures

General Fire Hazards: Self-contained breathing apparatus. Containers close to fire should be removed immediately or cooled with water. Remove sources of combustibles. Extinguish the fire using fire-fighting media listed above. Fight fire from a protected location.

Means of fire extinguishing

Suitable extinguishing media: All standard extinguishing agents are suitable.

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

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Specific hazards arising from the chemical: No data available.

Special protective equipment and precautions 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 and full protective clothing must be worn in case of fire.

Hazchem Code: No data available.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures: Keep unprotected persons away. Keep upwind. Use personal protective equipment.

Environmental Precautions: Do not allow runoff to sewer, waterway or ground.
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.

Notification Procedures: Remove sources of ignition.

7. Handling and storage

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.

Conditions for safe storage, including any incompatibilities: Keep away from heat, sparks and open flame. Keep container tightly closed and in a well-ventilated place. Use original container or packaging of similar material of construction

8. Exposure controls/personal protection

Control Parameters

Occupational Exposure Limits

Chemical Identity	Type	Exposure Limit Values	Source
Acetone	TWA	500 ppm 1.185 mg/m3	Australia. National Workplace OELs (Workplace Exposure Standards for Airborne Contaminants, Appendix A) (04 2013)
	STEL	1.000 ppm 2.375 mg/m3	Australia. National Workplace OELs (Workplace Exposure Standards for Airborne Contaminants, Appendix A) (04 2013)
	STEL	1.000 ppm 2.375 mg/m3	Australia. OELs. (Adopted National Exposure Standards for Atmospheric Contaminants in the Occupational

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				Environment) (08 2005)
	TWA	500 ppm	1.185 mg/m3	Australia. OELs. (Adopted National Exposure Standards for Atmospheric Contaminants in the Occupational Environment) (08 2005)
2-Propanol	TWA	400 ppm	983 mg/m3	Australia. National Workplace OELs (Workplace Exposure Standards for Airborne Contaminants, Appendix A) (04 2013)
	STEL	500 ppm	1.230 mg/m3	Australia. National Workplace OELs (Workplace Exposure Standards for Airborne Contaminants, Appendix A) (04 2013)
	STEL	500 ppm	1.230 mg/m3	Australia. OELs. (Adopted National Exposure Standards for Atmospheric Contaminants in the Occupational Environment) (08 2005)
	TWA	400 ppm	983 mg/m3	Australia. OELs. (Adopted National Exposure Standards for Atmospheric Contaminants in the Occupational Environment) (08 2005)
Xylene	STEL	150 ppm	655 mg/m3	Australia. OELs. (Adopted National Exposure Standards for Atmospheric Contaminants in the Occupational Environment) (08 2005)
	TWA	80 ppm	350 mg/m3	Australia. OELs. (Adopted National Exposure Standards for Atmospheric Contaminants in the Occupational Environment) (08 2005)
Ethylbenzene	STEL	125 ppm	543 mg/m3	Australia. OELs. (Adopted National Exposure Standards for Atmospheric Contaminants in the Occupational Environment) (08 2005)
	TWA	100 ppm	434 mg/m3	Australia. OELs. (Adopted National Exposure Standards for Atmospheric Contaminants in the Occupational Environment) (08 2005)
Tetraethyl Silicate	TWA	10 ppm	85 mg/m3	Australia. National Workplace OELs (Workplace Exposure Standards for Airborne Contaminants, Appendix A) (04 2013)
	TWA	10 ppm	85 mg/m3	Australia. OELs. (Adopted National Exposure Standards for Atmospheric Contaminants in the Occupational Environment) (08 2005)
n-BUTANOL	PEAK	50 ppm	152 mg/m3	Australia. National Workplace OELs (Workplace Exposure Standards for Airborne Contaminants, Appendix A) (04 2013)
	PEAK	50 ppm	152 mg/m3	Australia. OELs. (Adopted National Exposure Standards for Atmospheric Contaminants in the Occupational Environment) (08 2005)

Biological Limit Values

None of the components have assigned exposure limits.

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Appropriate Engineering Controls: Provide eyewash station and safety shower. General (mechanical) room ventilation is expected to be satisfactory if handled at low temperatures or in covered equipment.

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: Safety glasses with side shields

Skin Protection

Hand Protection: Chemical resistant gloves

Other: Full protective clothing should be worn when handling this product. Safety shoes

Respiratory Protection: In case of insufficient ventilation, wear suitable respiratory equipment.

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.

9. Physical and chemical properties**Appearance**

Physical state: liquid

Form: liquid

Color: Red

Odor: Pungent

Odor threshold: No data available.

pH: Not applicable

Melting point/freezing point: < -34 °C

Initial boiling point and boiling range : 56,5 °C

Flash Point: ca. -12 °C

Evaporation rate: > 1

Flammability (solid, gas): No data available.

Upper/lower limit on flammability or explosive limits

Flammability limit - upper (%): No data available.

Flammability limit - lower (%): No data available.

Explosive limit - upper (%): No data available.

Explosive limit - lower (%): No data available.

Vapor pressure : Not applicable

Vapor density: No data available.

Density: ca. 0,855 g/cm³

Relative density: ca. 0,80

Solubility(ies)

Solubility in water: hydrolyses

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Solubility (other):	Soluble, Aromatic Solvent
Partition coefficient (n-octanol/water) Log Pow:	No data available.
Auto-ignition 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)
Specific gravity:	No data available.

10. Stability and reactivity

Reactivity:	No data available.
Chemical Stability:	Material is stable under normal conditions.
Possibility of hazardous reactions:	Hazardous polymerisation does not occur. Avoid heat, sparks, open flames and other ignition sources.
Conditions to avoid:	Heat, sparks, flames.
Incompatible Materials:	Oxidizing agents.
Hazardous Decomposition Products:	No data available.

11. Toxicological information

Information on likely routes of exposure Inhalation:

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

Symptoms related to the physical, chemical and toxicological characteristics

Inhalation: No data available.
Skin Contact: No data available.
Eye contact: No data available.
Ingestion: No data available.

Information on toxicological effects

Acute toxicity

Oral Product: ATEmix 29.790,28 mg/kg
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Dermal

Product: ATEmix 5.640,5 mg/kg

Inhalation

Product: ATEmix (4 h): 39,95 mg/l Vapour
ATEmix (4 h): 5,45 mg/l Dusts, mists and fumes

Repeated dose toxicity

Product: No data available.

Skin irritation and corrosion

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.

Notifiable Carcinogenic Substances

No carcinogenic components identified

Prohibited Carcinogenic Substances

No carcinogenic components identified

IARC Monographs on the Evaluation of Carcinogenic Risks to Humans:

Ethylbenzene Overall evaluation: 2B. Possibly carcinogenic to humans.

ACGIH Carcinogen List:

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.

Aspiration Hazard

Product: No data available.

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Other effects:

Xylene has been shown to cause embryofetal toxicity and birth defects in laboratory animals, but only at doses which also cause maternal toxicity

In higher concentrations, xylene is irritating to eyes and the respiratory tract, causes drowsiness and may cause central-nervous effects (headache etc.).

Animals exposed repeatedly to high vapor concentrations (800 ppm or greater) of mixed xylenes suffered hearing loss. Long-term exposure to xylene can cause chronic headache, chest pain, nausea, mental confusion, breathing difficulties, heartbeat abnormalities, numbness in limbs, fever, malaise, and fatigue. Skin irritation can occur. Repeated exposures at high concentrations may cause injury to the liver and kidneys.

Isopropyl alcohol has produced fetotoxic effects and developmental effects in animals following oral administration. Isopropyl alcohol has produced developmental effects and reduced fetal weight in animals following inhalation exposure. Ethylbenzene has been shown to cause cancer in laboratory animals. The relevance of this finding to human is uncertain. IARC (International Agency for Research on Cancer) has classified ethylbenzene as a possible human carcinogen.

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	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

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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.

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

Mobility in soil: No data available.

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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.

13. Disposal considerations

General information: Do not discharge into drains, water courses or onto the ground. See Section 8 for information on appropriate personal protective equipment.

Disposal methods

Disposal instructions: Dispose of waste at an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal. The generation of waste should be avoided or minimized wherever possible. The hazard and precautionary statements displayed on the label also apply to any residues left in the container.

Contaminated Packaging: No data available.

14. Transport information**National Regulations****ADG**

UN Number:	UN 1993
UN Proper Shipping Name:	FLAMMABLE LIQUID, N.O.S.
Transport Hazard Class(es)	
Class:	3
Label(s):	3
Packing Group:	II
Environmental Hazards	
Marine Pollutant:	No

International regulations**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:	

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Limited quantity: 1,00L
 Packing Instructions: Y341

Excepted quantity E2

Environmental Hazards: Not regulated.
 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
 Environmental Hazards
 Marine Pollutant: No
 Limited quantity 1,00L
 Excepted quantity E2

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

Not applicable

15. Regulatory information

Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP) - Poisons Schedule Number

AU SUSMP 2		Poisons schedule number not allocated
AU SUSMP 3		Poisons schedule number not allocated
AU SUSMP 4		Poisons schedule number not allocated
AU SUSMP 5	Acetonen-BUTANOL	Listed
AU SUSMP 6	n-BUTANOL	Listed
AU SUSMP 7		Poisons schedule number not allocated
AU SUSMP 8		Poisons schedule number not allocated
AU SUSMP 9		Poisons schedule number not allocated
AU SUSMP A		Poisons schedule number not allocated
AU SUSMP B	Ethanol	Listed

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AU SUSMP C		Poisons schedule number not allocated
AU SUSMP D		Poisons schedule number not allocated
AU SUSMP E	Acetonen-BUTANOL	Listed
AU SUSMP F	Acetonen-BUTANOL	Listed
AU SUSMP G		Poisons schedule number not allocated
AU SUSMP H		Poisons schedule number not allocated
AU SUSMP I		Poisons schedule number not allocated
AU SUSMP J		Poisons schedule number not allocated
AU SUSMP K		Poisons schedule number not allocated
AUSUSMPDS	AcetoneXyleneTol uene	Listed

Notifiable Carcinogenic Substances
 Not Regulated

Prohibited Carcinogenic Substances
 Not Regulated

National Pollutant Inventory (NPI) substance reporting list
 Ethanol

Threshold quantity: 10tonnes/yr	Threshold Category: 1
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Prohibited Substances (National Model Regulations for the Control of Workplace Hazardous Substances, Schedule 2 NOHSC:1005 (1994))
 Not Regulated

Restricted Importation of Organochlorine Chemicals (Customs(Prohibited Imports) Regulations 1956, Schedule 9)
 Not Regulated

Importation of Ozone Depleting Substances (Customs (Prohibited Imports) Regulations 1956, Schedule 10)
 Not Regulated

High Volume Industrial Chemicals (HVIC)

2-Propanol	Threshold quantity: 1.000 - 9.999 tonnes
n-BUTANOL	Threshold quantity: 1.000 - 9.999 tonnes

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Ethanol

Threshold quantity: 10.000 -
 99.999 tonnes

International regulations

Montreal protocol

Not applicable

Stockholm convention

Not applicable

Rotterdam convention

Not applicable

Not applicable

Kyoto protocol

Not applicable

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 Inv. 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 Chemical Substance Inventory:	y (positive listing)	Remarks: None.

16. Other Information

Issue Date:	26.03.2018
Revision Date:	No data available.
Version #:	1.0
Further Information:	No data available.
Key abbreviations or acronyms used:	Highly flammable liquid and vapor. Causes skin irritation. Causes serious eye irritation. Suspected of causing cancer. May cause respiratory irritation. May cause drowsiness or dizziness. Causes damage to organs <or state all organs affected, if known> through prolonged or repeated exposure <state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard>.
References:	No data available.

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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 safehandling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

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