

SS4120

SAFETY DATA SHEET

1. Identification

Product identifier: SS4120

Other means of identification

Synonyms: Primer solution

Recommended use and restriction on use

Recommended use: 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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**Emergency telephone number
Supplier** : 61 418 529 118

2. Hazard(s) identification

Hazard Classification

Physical Hazards

Flammable liquids Category 1

Health Hazards

Acute toxicity (Oral) Category 3

Acute toxicity (Dermal) Category 3

Acute toxicity (Inhalation - vapor) Category 3

Serious Eye Damage/Eye Irritation Category 2A

Specific Target Organ Toxicity -
Single Exposure Category 1¹.

Specific Target Organ Toxicity -
Single Exposure Category 2².

Specific Target Organ Toxicity -
Single Exposure Category 3³.

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Specific Target Organ Toxicity - Repeated Exposure Category 1⁴.
 Specific Target Organ Toxicity - Repeated Exposure Category 2⁵.

Target Organs

1. Central nervous system.
2. optic nerve
3. Narcotic effect., Respiratory tract irritation.
4. Liver
5. Kidney

Unknown toxicity - Health

Acute toxicity, oral	0 %
Acute toxicity, dermal	0 %
Acute toxicity, inhalation, vapor	0 %
Acute toxicity, inhalation, dust or mist	0 %

Label Elements

Hazard Symbol:



Signal Word: Danger

Hazard Statement: Extremely flammable liquid and vapor.
 Toxic if swallowed, in contact with skin or if inhaled.
 Causes serious eye irritation.
 May cause respiratory irritation.
 May cause drowsiness or dizziness.
 Causes damage to organs.
 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 only non-sparking tools. Take precautionary measures against static discharge. Wear protective gloves/protective clothing/eye protection/face protection. Use only outdoors

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or in a well-ventilated area. Wash thoroughly after handling. Do not eat, drink or smoke when using this product. Do not breathe dust or mists.

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/shower. IF SWALLOWED: Immediately call a POISON CENTER/doctor. Rinse mouth. Call a POISON CENTER/doctor. If exposed: Call a poison center/doctor. Specific treatment (see this label). Take off immediately all contaminated clothing. Wash contaminated clothing before reuse. In case of fire: Use ... to extinguish.

Storage: Store in 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
Ethanol	64-17-5	50 - <100%	# This substance has workplace exposure limit(s).
Methanol	67-56-1	25 - <50%	# This substance has workplace exposure limit(s).
Silicic acid, ethyl ester	11099-06-2	5 - <10%	No data available.

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

4. First-aid measures

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Ingestion: If swallowed induce vomiting immediately by giving two glasses of water and sticking fingers down throat; never give anything to an unconscious person. Get medical attention.

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: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

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: Foam. Carbon dioxide Water mist

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: Flammable [In case of inadequate ventilation] wear respiratory protection.

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6. Accidental release measures

Personal precautions, protective equipment and emergency procedures: Use only in well-ventilated areas. Avoid contact with skin and eyes. Keep container tightly closed. Remove sources of ignition.

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

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: No data available.

8. Exposure controls/personal protection

Control Parameters

Occupational Exposure Limits

Chemical Identity	type	Exposure Limit Values	Source
Ethanol	STEL	1,000 ppm	US. ACGIH Threshold Limit Values (03 2015)
	REL	1,000 ppm 1,900 mg/m3	US. NIOSH: Pocket Guide to Chemical Hazards (2010)
	PEL	1,000 ppm 1,900 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)
	TWA	1,000 ppm 1,900 mg/m3	US. OSHA Table Z-1-A (29 CFR 1910.1000) (1989)
Methanol	TWA	200 ppm	US. ACGIH Threshold Limit Values (03 2015)
	STEL	250 ppm	US. ACGIH Threshold Limit Values (03 2015)
	STEL	250 ppm 325 mg/m3	US. NIOSH: Pocket Guide to Chemical Hazards (2010)
	REL	200 ppm 260 mg/m3	US. NIOSH: Pocket Guide to Chemical Hazards (2010)
	PEL	200 ppm 260 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)
	TWA	200 ppm 260 mg/m3	US. OSHA Table Z-1-A (29 CFR 1910.1000) (1989)
	STEL	250 ppm 325 mg/m3	US. OSHA Table Z-1-A (29 CFR 1910.1000) (1989)

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Biological Limit Values

Chemical Identity	Exposure Limit Values	Source
Methanol (methanol: Sampling time: End of shift.)	15 mg/l (Urine)	ACGIH BEI (03 2015)

Appropriate Engineering Controls Use only in well-ventilated areas.

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 Monogoggles

Skin Protection

Hand Protection: Rubber or plastics gloves

Other: Wear rubber apron.

Respiratory Protection: Use only in well-ventilated areas. Use approved NIOSH respiratory protection if TLV exceeded or overexposure is likely.

Hygiene measures: No data available.

9. Physical and chemical properties

Appearance

Physical state: liquid
Form: liquid
Color: Colorless

Odor: No data available.

Odor threshold: No data available.

pH: No data available.

Melting point/freezing point: -81.00 °C not applicable

Initial boiling point and boiling range: not applicable

Flash Point: 11 °C (calculated)

Evaporation rate: No data available.

Flammability (solid, gas): No data available.

Upper/lower limit on flammability or explosive limits

Flammability limit - upper (%): 19.00 %(V)

Flammability limit - lower (%): 3.30 %(V)

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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. 0.82 g/cm ³
Relative density:	0.82
Solubility(ies)	
Solubility in water:	Soluble
Solubility (other):	SOLUBLE IN ALCOHOLS
Partition coefficient (n-octanol/water) Log Pow:	No data available.
Auto-ignition temperature:	185.00 °C
Decomposition temperature:	No data available.
SADT:	No data available.
Viscosity, dynamic:	No data available.
Viscosity, kinematic:	No data available.
VOC:	794 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.
Incompatible Materials:	Oxidizing agents.
Hazardous Decomposition Products:	Carbon dioxide

11. Toxicological information

Information on likely routes of exposure

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

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Eye contact: No data available.

Symptoms related to the physical, chemical and toxicological characteristics

Ingestion: No data available.

Inhalation: No data available.

Skin Contact: No data available.

Eye contact: No data available.

Information on toxicological effects

Acute toxicity (list all possible routes of exposure)

Oral

Product: ATEmix: 214.37 mg/kg

Specified substance(s):

Ethanol
LD 50 (Rat): 7,060 mg/kg
LD 50 (Mouse): 3,450 mg/kg
LD 50 (Rabbit): 6,300 mg/kg

Methanol
LD 50 (Rat): 5,628 mg/kg

Dermal

Product: ATEmix: 681.82 mg/kg

Specified substance(s):

Ethanol
LD 50 (Rabbit): > 20,000 mg/kg

Methanol
LD 50 (Rabbit): 15,800 mg/kg

Inhalation

Product: ATEmix: 6.82 mg/l

Specified substance(s):

Ethanol
LC50 (Mouse): 39 mg/l
LC50 (Rat): 38.3 mg/l

Methanol
LC 50 (Rat): 6.4 mg/l

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Repeated dose toxicity

Product: No data available.

Skin Corrosion/Irritation

Product: No data available.

Specified substance(s):

Methanol (Rabbit): Corrosive

Serious Eye Damage/Eye Irritation

Product: No data available.

Specified substance(s):

Ethanol OECD Test Guideline 405 (Rabbit): Slightly irritating.

Respiratory or Skin Sensitization

Product: No data available.

Specified substance(s):

Methanol (Guinea Pig)negative

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

Germ Cell Mutagenicity

In vitro

Product: No data available.

In vivo

Product: No data available.

Reproductive toxicity

Product: No data available.

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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: Central nervous system.

Specific Target Organ Toxicity - Single Exposure: optic nerve

Specific Target Organ Toxicity - Single Exposure: Narcotic effect., Respiratory tract irritation.

Specific Target Organ Toxicity - Repeated Exposure: Liver

Specific Target Organ Toxicity - Repeated Exposure: Kidney

Aspiration Hazard

Product: No data available.

Other effects: No data available.

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.

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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.

US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050):

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

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Other effects No data available.
No data available.

12. Ecological information

Ecotoxicity:

Acute hazards to the aquatic environment:

Fish

Product: No data available.

Specified substance(s):

Ethanol LC50 (No data available., 96 h): 15,400 mg/l
LC50 (Pimephales promelas, 96 h): 14,200 mg/l

Methanol LC50 (Pimephales promelas, 96 h): 28,100 mg/l

Aquatic Invertebrates

Product: No data available.

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.

BOD/COD Ratio

Product: No data available.

Bioaccumulative potential

Bioconcentration Factor (BCF)

Product: No data available.

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Partition Coefficient n-octanol / water (log Kow)

Product: No data available.

Mobility in soil: No data available.

Known or predicted distribution to environmental compartments

Ethanol No data available.
Methanol No data available.
Silicic acid, ethyl ester 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.(METHANOL, Ethanol)
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.(METHANOL, Ethanol)
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

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IATA

UN Number:	UN 1993
Proper Shipping Name:	Flammable liquid, n.o.s.(METHANOL, Ethanol)
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:	1.00L
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):

<u>Chemical Identity</u>	<u>Reportable quantity</u>
Ethanol	100 lbs.
<u>Chemical Identity</u>	<u>Reportable quantity</u>
Ethanol	100 lbs.
Methanol	5,000 lbs.

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.

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SARA 304 Emergency Release Notification

<u>Chemical Identity</u>	<u>Reportable quantity</u>
Ethanol	100 lbs.
Methanol	5,000 lbs.

SARA 311/312 Hazardous Chemical

<u>Chemical Identity</u>	<u>Threshold Planning Quantity</u>
Ethanol	10000 lbs
Methanol	10000 lbs
Silicic acid, ethyl ester	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>
Methanol		

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

None present or none present in regulated quantities.

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.

Ethanol	Developmental toxin.
Methanol	Maximum Allowable Dose Level (MADL): 47000 µg/day. Developmental toxin.

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

<u>Chemical Identity</u>
Ethanol
Methanol
Silicic acid, ethyl ester

US. Massachusetts RTK - Substance List

<u>Chemical Identity</u>
Ethanol
Methanol

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US. Pennsylvania RTK - Hazardous Substances

Chemical Identity

Ethanol
 Methanol
 Silicic acid, ethyl ester

US. Rhode Island RTK

Chemical Identity

Methanol

Inventory Status:

Australia AICS:	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 DSL Inventory List:	y (positive listing)	Remarks: None.
Canada NDSL Inventory:	n (Negative listing)	Remarks: None.
New Zealand Inventory of Chemicals:	y (positive listing)	Remarks: None.
Philippines PICCS:	y (positive listing)	Remarks: None.
US TSCA Inventory:	y (positive listing)	Remarks: None.
Taiwan. Taiwan inventory (CSNN):	n (Negative listing)	Remarks: None.

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

HMIS Hazard ID

Health	*	4
Flammability		3
Physical Hazards		0
PERSONAL PROTECTION		

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

Issue Date: 01/04/2017
Revision Date: No data available.
Version #: 1.8

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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.

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