

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: SS 4120 - pint (50cl-363g)

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.
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Health Hazards

Acute toxicity (Oral)	Category 3	H301: Toxic if swallowed.
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Acute toxicity (Dermal)	Category 3	H311: Toxic in contact with skin.
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Acute toxicity (Inhalation - vapor)	Category 3	H331: Toxic if inhaled.
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Serious eye irritation	Category 2	H319: Causes serious eye irritation.
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Specific Target Organ Toxicity - Single Exposure	Category 1	H370: Causes damage to organs.
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2.2 Label Elements

Contains:

Methanol
Silicic acid, ethyl ester

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Signal Words:

Danger

Hazard Statement(s):

H225: Highly flammable liquid and vapor.
 H301+H311+H331: Toxic if swallowed, in contact with skin or if inhaled.
 H319: Causes serious eye irritation.
 H370: Causes damage to organs.

Precautionary Statements

Prevention:

P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
 P260: Do not breathe dust/fume/gas/mist/vapors/spray.
 P264: Wash thoroughly after handling.
 P280: Wear protective gloves/protective clothing/eye protection/face protection.

Response:

P301+P310: IF SWALLOWED: Immediately call a POISON CENTER/doctor.
 P308+P311: IF exposed or concerned: Call a POISON CENTER/doctor.
 P370+P378: In case of fire: Use alcohol resistant foam for extinction.

Storage:

P403+P233: Store in a well-ventilated place. Keep container tightly closed.

Unknown toxicity - Health

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

Additional Information: No data available.

2.3 Other hazards No data available.

SECTION 3: Composition/information on ingredients

3.2 Mixtures

General information: No data available.

Chemical name	Concentration	CAS-No.	EC No.	REACH Registration No.	M-Factor:	Notes
Ethanol	50 - <100%	64-17-5	200-578-6	01-2119457610-43-XXXX	No data available.	#
Methanol	25 - <50%	67-56-1	200-659-6	01-2119433307-	No data available.	#

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				44-XXXX		
Silicic acid, ethyl ester	5 - <10%	11099-06-2	234-324-0	No data available.	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
Ethanol	Flam. Liq.: 2: H225; Eye Dam.: 2: H319;	No data available.
Methanol	Flam. Liq.: 2: H225; Acute Tox.: 3: H331; Acute Tox.: 3: H311; Acute Tox.: 3: H301; STOT SE: 1: H370; No data available.	No data available.
Silicic acid, ethyl ester	Flam. Liq.: 3: H226; STOT SE: 3: H335; Eye Dam.: 2: H319; Acute Tox.: 4: H302;	

CLP: Regulation No. 1272/2008.

SECTION 4: First aid measures

General: Get medical attention if symptoms occur.

4.1 Description of first aid measures

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

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

Skin Contact: Wash off promptly and flush contaminated skin with water. Promptly remove clothing if soaked through and flush skin with water. Get medical attention. Wash contaminated clothing before reuse.

Ingestion: If swallowed, do NOT induce vomiting. Give a glass of water. Get medical attention.

4.2 Most important symptoms and effects, both acute and delayed: Itching Redness

4.3 Indication of any immediate medical attention and special treatment needed

Hazards: This product is not expected to produce adverse effects under normal conditions of use and appropriate personal hygiene.

Treatment: Immediately flush with plenty of water for at least 15 minutes. If easy to do, remove contact lenses. If swallowed, do NOT induce vomiting. Give a glass of water.

SECTION 5: Firefighting 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.

5.1 Extinguishing media Suitable extinguishing media:

Alcohol resistant foam. Carbon dioxide Dry chemical.

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Unsuitable extinguishing media:

water jet

5.2 Special hazards arising from the substance or mixture:

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.

**5.3 Advice 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:

Wear self-contained breathing apparatus and protective clothing.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures:

Extinguish and do not turn on any ignition source until the area is determined to be free from fire or explosion hazards. Avoid contact with eyes, skin, and clothing. Avoid contact with liquid and vapors. Use personal protective equipment.

6.2 Environmental Precautions:

Avoid discharge into drains, water courses or onto the ground.

6.3 Methods and material for containment and cleaning up:

Absorb spillage with suitable absorbent material. Shovel up and place in a container for salvage or disposal.

6.4 Reference to other sections:

Prevent entry into waterways, sewer, basements or confined areas.

SECTION 7: Handling and storage:

7.1 Precautions for safe handling:

Do not breathe vapor/spray. Do not taste or swallow. Avoid contact with eyes, skin, and clothing. Wash hands after handling. Material can accumulate static charges which may cause an electrical spark (ignition source). Use proper bonding and/or grounding procedures.

Storage conditions:

Keep away from heat, sparks and open flame. Keep container closed. Store in original container.

7.2 Conditions for safe storage, including any incompatibilities:

Store in tightly closed original container in a dry and cool place.

Storage Stability:

Material is stable under normal conditions.

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
Ethanol	TWA	1.000 ppm 1.920 mg/m3	UK. EH40 Workplace Exposure Limits (WELs) (12 2011)
Methanol	TWA	200 ppm 266 mg/m3	UK. EH40 Workplace Exposure Limits (WELs) (12 2011)
	STEL	250 ppm 333 mg/m3	UK. EH40 Workplace Exposure Limits (WELs)

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			(12 2011)
	TWA	200 ppm 260 mg/m3	EU. Indicative Exposure Limit Values in Directives 91/322/EEC, 2000/39/EC, 2006/15/EC, 2009/161/EU, 2017/164/EU (12 2009)

Biological Limit Values

None.

8.2 Exposure controls

Appropriate Engineering Controls:

Ensure adequate ventilation, especially in confined areas. Provide eyewash station and safety shower.

Individual protection measures, such as personal protective equipment

General information:

Use only in well-ventilated areas. Do not eat, drink or smoke when using the product. Wash hands after handling. Practice good housekeeping.

Eye/face protection:

Safety glasses with side-shields conforming to EN166

Skin protection

Hand Protection:

Advice: Nitrile rubber.

Other:

Wear suitable protective clothing and eye/face protection.

Respiratory Protection:

In case of insufficient ventilation, wear suitable respiratory equipment. Combination filtering device (EN 14387) Respiratory protection mask with Filertype ABEK

Hygiene measures:

Avoid contact with eyes. When using do not smoke. Wash thoroughly after handling.

Environmental exposure controls:

No release to wastewater from process as such, wastewater emissions limited to release generated from final equipment cleaning step using water.

SECTION 9: Physical and chemical properties

9.1 Information on basic 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.

Freezing point:

ca. -81 °C

Boiling Point:

estimated 65 °C

Flash Point:

11 °C (calculated)

Evaporation Rate:

No data available.

Flammability (solid, gas):

No data available.

Flammability Limit - Upper (%):

ca. 19 %(V) (No data available.)

Flammability Limit - Lower (%):

ca. 3,3 %(V) (No data available.)

Vapor pressure:

No data available.

Vapor density (air=1):

No data available.

Density:

ca. 0,82 g/cm3

Relative density:

No data available.

Solubility(ies)

No data available.

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Solubility in Water:	No data available.
Solubility (other):	No data available.
Partition coefficient (n-octanol/water) Log Pow:	No data available.
Autoignition Temperature:	ca. 185 °C
Decomposition Temperature:	No decomposition if stored and applied as directed.
SADT:	No data available.
Viscosity, dynamic:	No data available.
Viscosity, kinematic:	No data available.
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 polymerization does not occur.
10.4 Conditions to avoid:	Keep away from heat, sparks and open flame.
10.5 Incompatible Materials:	Oxidizing agents.
10.6 Hazardous Decomposition Products:	Carbon dioxide

SECTION 11: Toxicological information

General information: Toxicological information on this product is not available.

Information on likely routes of exposure

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

11.1 Information on toxicological effects

Acute toxicity

Oral

Product:	ATEmix: 221,24 mg/kg
Specified substance(s)	
Ethanol	No data available.
Methanol	No data available.
Silicic acid, ethyl ester	No data available.

Dermal

Product:	ATEmix: 681,82 mg/kg
Specified substance(s)	
Ethanol	No data available.
Methanol	No data available.
Silicic acid, ethyl ester	No data available.

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Inhalation

Product: ATEmix6,82 mg/l Vapour
 ATEmix1,16 mg/l Dusts, mists and fumes

Specified substance(s)

Ethanol LC50 (Mouse, 4,00 h): 39 mg/l
 LC50 (Rat, 0,17 h): 38,3 mg/l

Methanol No data available.

Silicic acid, ethyl ester No data available.

Repeated dose toxicity

Product: No data available.

Specified substance(s)

Ethanol No data available.

Methanol No data available.

Silicic acid, ethyl ester No data available.

Skin Corrosion/Irritation:

Product: No data available.

Specified substance(s)

Ethanol No data available.

Methanol No data available.

Silicic acid, ethyl ester No data available.

Serious Eye Damage/Eye Irritation:

Product: No data available.

Specified substance(s)

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

Methanol No data available.

Silicic acid, ethyl ester No data available.

Respiratory or Skin

Sensitization:

Product: No data available.

Specified substance(s)

Ethanol No data available.

Methanol No data available.

Silicic acid, ethyl ester No data available.

Germ Cell Mutagenicity

In vitro

Product: No data available.

Specified substance(s)

Ethanol No data available.

Methanol No data available.

Silicic acid, ethyl ester No data available.

In vivo

Product: No data available.

Specified substance(s)

Ethanol No data available.

Methanol No data available.

Silicic acid, ethyl ester No data available.

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Carcinogenicity

Product: No data available.

Specified substance(s)

Ethanol No data available.
 Methanol No data available.
 Silicic acid, ethyl ester No data available.

Reproductive toxicity

Product: No data available.

Specified substance(s)

Ethanol No data available.
 Methanol No data available.
 Silicic acid, ethyl ester No data available.

Specific Target Organ Toxicity - Single Exposure

Product: No data available.

Specified substance(s)

Ethanol No data available.
 Methanol No data available.
 Silicic acid, ethyl ester No data available.

Specific Target Organ Toxicity - Repeated Exposure

Product: No data available.

Specified substance(s)

Ethanol No data available.
 Methanol No data available.
 Silicic acid, ethyl ester No data available.

Aspiration Hazard

Product: No data available.

Specified substance(s)

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

Ethanol LC50 (No data available., 96 h): 15.400 mg/l (No data available.)
 LC50 (Pimephales promelas, 96 h): 14.200 mg/l (No data available.)
 Methanol LC50 (Pimephales promelas, 96 h): 28.100 mg/l
 Silicic acid, ethyl ester No data available.

Aquatic Invertebrates

Product: No data available.

Specified substance(s)

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Ethanol	No data available.
Methanol	No data available.
Silicic acid, ethyl ester	No data available.

Chronic Toxicity

Fish

Product: No data available.

Specified substance(s)

Ethanol	No data available.
Methanol	No data available.
Silicic acid, ethyl ester	No data available.

Aquatic Invertebrates

Product: No data available.

Specified substance(s)

Ethanol	No data available.
Methanol	No data available.
Silicic acid, ethyl ester	No data available.

Toxicity to Aquatic Plants

Product: No data available.

Specified substance(s)

Ethanol	No data available.
Methanol	No data available.
Silicic acid, ethyl ester	No data available.

12.2 Persistence and Degradability

Biodegradation

Product: No data available.

Specified substance(s)

Ethanol	No data available.
Methanol	No data available.
Silicic acid, ethyl ester	No data available.

BOD/COD Ratio

Product No data available.

Specified substance(s)

Ethanol	No data available.
Methanol	No data available.
Silicic acid, ethyl ester	No data available.

12.3 Bioaccumulative potential

Product: No data available.

Specified substance(s)

Ethanol	No data available.
Methanol	No data available.
Silicic acid, ethyl ester	No data available.

12.4 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.

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12.5 Results of PBT and vPvB assessment: No data available.
 Ethanol No data available.
 Methanol No data available.
 Silicic acid, ethyl ester No data available.

12.6 Other adverse effects: No data available.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

General information: See Section 8 for information on appropriate personal protective equipment. The generation of waste should be avoided or minimized wherever possible. Do not discharge into drains, water courses or onto the ground. Dispose of waste and residues in accordance with local authority requirements.

Disposal methods: Can be incinerated when in compliance with local regulations.

SECTION 14: Transport information

ADR

14.1 UN Number: UN 1992
 14.2 UN Proper Shipping Name: FLAMMABLE LIQUID, TOXIC, N.O.S.(METHANOL, Ethanol)
 14.3 Transport Hazard Class(es)
 Class: 3
 Label(s): 3, 6.1
 Hazard No. (ADR): 336
 Tunnel restriction code: (D/E)
 14.4 Packing Group: II
 14.5 Environmental Hazards: Not regulated.
 Marine Pollutant No

ADN

14.1 UN Number: UN 1992
 14.2 UN Proper Shipping Name: FLAMMABLE LIQUID, TOXIC, N.O.S.(METHANOL, Ethanol)
 14.3 Transport Hazard Class(es)
 Class: 3
 Label(s): 3, 6.1
 14.4 Packing Group: II
 14.5 Environmental Hazards: Not regulated.
 Marine Pollutant No

RID

14.1 UN Number: UN 1992
 14.2 UN Proper Shipping Name: FLAMMABLE LIQUID, TOXIC, N.O.S.(METHANOL, Ethanol)
 14.3 Transport Hazard Class(es)
 Class: 3
 Label(s): 3, 6.1
 14.4 Packing Group: II
 14.5 Environmental Hazards: Not regulated.
 Marine Pollutant No

IMDG

14.1 UN Number: UN 1992
 14.2 UN Proper Shipping Name: FLAMMABLE LIQUID, TOXIC, N.O.S.(METHANOL, Ethanol)

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- 14.3 Transport Hazard Class(es)
 Class: 3
 Label(s): 3, 6.1
 EmS No.: F-E, S-D
- 14.4 Packing Group: II
- 14.5 Environmental Hazards: Not regulated.
 Marine Pollutant: No

IATA

- 14.1 UN Number: UN 1992
 14.2 Proper Shipping Name: Flammable liquid, toxic, n.o.s.(METHANOL, Ethanol)
 14.3 Transport Hazard Class(es):
 Class: 3
 Label(s): 3, 6.1
- 14.4 Packing Group: II
- 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. 649/2012 Import and export of dangerous chemicals: none

Regulation (EC) No. 1907/2006, REACH Annex XIV Substances subject to authorisation, as amended: none

EU. REACH Candidate List of Substances of Very High Concern for Authorization (SVHC): none

Regulation (EC) No. 1907/2006 Annex XVII Substances subject to restriction on marketing and use:

Chemical name	CAS-No.	Concentration
Ethanol	64-17-5	50 - 60%
Methanol	67-56-1	40 - 50%

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:

Chemical name	CAS-No.	Concentration
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Ethanol	64-17-5	50 - 60%
Methanol	67-56-1	40 - 50%

EU. Regulation No. 166/2006 PRTR (Pollutant Release and Transfer Registry), Annex II: Pollutants:
 none

Directive 98/24/EC on the protection of workers from the risks related to chemical agents at work:

Chemical name	CAS-No.	Concentration
Ethanol	64-17-5	50 - 60%
Methanol	67-56-1	40 - 50%

15.2 Chemical safety assessment:

No Chemical Safety Assessment has been carried out.

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 Chemical Substance Inventory:	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.
H301	Toxic if swallowed.
H302	Harmful if swallowed.
H311	Toxic in contact with skin.
H319	Causes serious eye irritation.
H331	Toxic if inhaled.
H332	Harmful if inhaled.
H335	May cause respiratory irritation.
H370	Causes damage to organs.

Training information: No data available.

Classification according to Regulation (EC) No 1272/2008 as amended.

Flam. Liq. 2, H225
 Acute Tox. 3, H301
 Acute Tox. 3, H311
 Acute Tox. 3, H331
 STOT SE 1, H370

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Issue Date: 24.09.2019
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.

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