

**BOSTIK SIMSON PREP G PLUS**  
 Revision Number 2

Revision date 18-Aug-2019  
 Supersedes Date: 03-Aug-2017

## Section 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

### 1.1. Product Identifier

**Product Name** BOSTIK SIMSON PREP G PLUS  
**Pure substance/mixture** Mixture

### 1.2. Relevant identified uses of the substance or mixture and uses advised against

**Recommended use** Primers.  
**Uses advised against** Consumer use.

### 1.3. Details of the supplier of the safety data sheet

**Company Name**

Bostik New Zealand Limited  
 19 Eastern Hutt Road Wingate,  
 Lower Hutt, New Zealand  
 Tel: 04-567 5119  
 Fax: 04-567 5412

**Manufacturer**

Bostik BV  
 De Voerman 8  
 PO Box 303  
 5215 MH's-Hertogenbosch, The Netherlands  
 Tel: +31 736 244 244  
 Fax: +31 736 244 344

### 1.4. Emergency telephone number

**Emergency Telephone** 24 Hr: 0800 243 622  
 +64 4 917 9888  
 Poison Centre : 0800 764 766

**E-mail address** SDS.AP@Bostik.com

## Section 2: HAZARDS IDENTIFICATION

### 2.1. Classification of the substance or mixture

Acute toxicity - Inhalation (Dusts/Mists)	Category 4 (6.1D)
Skin corrosion/irritation	Category 3 (6.3B)
Serious eye damage/eye irritation	Category 2A (6.4A)
Respiratory sensitization	Category 1A
Skin sensitization	Category 1A
Specific target organ toxicity - Single exposure	Category 3 ( f )
Flammable liquids	Category 2 (3.1B)

Classification in parenthesis is applicable for New Zealand Hazard Classification

### 2.2. Label Elements



**Signal word**

Danger

### Hazard statements

H316 - Causes mild skin irritation  
 H317 - May cause an allergic skin reaction  
 H319 - Causes serious eye irritation

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H332 - Harmful if inhaled  
H334 - May cause allergy or asthma symptoms or breathing difficulties if inhaled  
H336 - May cause drowsiness or dizziness  
H225 - Highly flammable liquid and vapor

## Prevention

P261 - Avoid breathing dust/fume/gas/mist/vapors/spray  
P271 - Use only outdoors or in a well-ventilated area  
P264 - Wash face, hands and any exposed skin thoroughly after handling  
P280 - Wear protective gloves/protective clothing/eye protection/face protection  
P284 - In case of inadequate ventilation wear respiratory protection  
P272 - Contaminated work clothing should not be allowed out of the workplace  
P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking  
P233 - Keep container tightly closed  
P240 - Ground/bond container and receiving equipment  
P241 - Use explosion-proof electrical/ ventilating / lighting/ .? / equipment  
P242 - Use only non-sparking tools  
P243 - Take precautionary measures against static discharge  
P235 - Keep cool

## Inhalation

P304 + P340 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing  
P342 + P311 - If experiencing respiratory symptoms: Call a POISON CENTER or doctor/physician

## Skin

P333 + P313 - If skin irritation or rash occurs: Get medical advice/attention  
P363 - Wash contaminated clothing before reuse  
P303 + P361 + P353 - IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower

## Eyes

P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing  
P337 + P313 - If eye irritation persists: Get medical advice/attention

## Ingestion

P331 - Do NOT induce vomiting  
P301 + P312 - IF SWALLOWED: Call a POISON CENTER or doctor if you feel unwell

## Fire

P370 + P378 - In case of fire: Use dry chemical, CO<sub>2</sub>, water spray or alcohol-resistant foam to extinguish

## Storage

P403 + P233 - Store in a well-ventilated place. Keep container tightly closed  
P405 - Store locked up

## Disposal

P501 - Dispose of contents/ container to an approved waste disposal plant

## 2.3. Other Hazards

- May be harmful if swallowed

## Section 3: COMPOSITION/INFORMATION ON INGREDIENTS

### 3.1 Substances

Not applicable

### Mixtures

Chemical name	CAS No.	Weight-%
Methyl ethyl ketone	78-93-3	40 - <80
Adhesion promotor	--	20- <40
4,4'-Methylenediphenyl diisocyanate	101-68-8	0.1- <1
Isophorone diisocyanate	4098-71-9	0.1- <1

\*\*\* Any remaining ingredients are not hazardous

## Section 4: FIRST AID MEASURES

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## 4.1. Description of first aid measures

<b>General advice</b>	If medical advice is needed, have product container or label at hand.
<b>Inhalation</b>	Remove to fresh air.
<b>Skin contact</b>	Wash with plenty of soap and water. If skin irritation occurs: Get medical advice/attention.
<b>Eye contact</b>	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a physician immediately.
<b>Ingestion</b>	If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label.
<b>Self-protection of the first aider</b>	Use personal protection recommended in Section 8. Isolate the hazard area and deny entry to unnecessary and unprotected personnel

## 4.2. Most important symptoms and effects, both acute and delayed

**Symptoms** None known.

## 4.3. Indication of any immediate medical attention and special treatment needed

**Note to physicians** Treat symptomatically.

## 4.4. Reference to Other Sections

**Reference to other sections** See Section 12: ECOLOGICAL INFORMATION. Section 7: HANDLING AND STORAGE. Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION.

## Section 5: FIRE-FIGHTING MEASURES

### 5.1. Extinguishing media

**Suitable extinguishing media** Use CO2, dry chemical, or foam. Move containers from fire area if you can do it without risk.

**Unsuitable extinguishing media** No information available.

### 5.2. Special hazards arising from the substance or mixture

**Specific hazards arising from the chemical** Carbon monoxide, carbon dioxide and unburned hydrocarbons (smoke).

**Hazardous combustion products** Carbon oxides.

### 5.3. Advice for firefighters

**Special protective equipment for fire-fighters** Wear self contained breathing apparatus for fire fighting if necessary.

## Section 6: ACCIDENTAL RELEASE MEASURES

### 6.1. Personal precautions, protective equipment and emergency procedures

**Personal precautions** Remove all sources of ignition. Evacuate personnel to safe areas. Ensure adequate ventilation, especially in confined areas.

**Other information** Water spray may reduce vapor; but may not prevent ignition in closed spaces.

**For emergency responders** Use personal protection recommended in Section 8. Isolate the hazard area and deny

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entry to unnecessary and unprotected personnel.

## 6.2. Environmental precautions

**Environmental precautions** Do not empty into drains, dispose of this material and its container at hazardous or special waste collection point. See Section 12 for additional Ecological Information.

## 6.3. Methods and material for containment and cleaning up

**Methods for containment** Dike far ahead of spill; use dry sand to contain the flow of material. Contain and collect spillage with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see Section 13).

**Methods for cleaning up** Use clean non-sparking tools to collect absorbed material. Dike far ahead of spill for later disposal.

## 6.4. Reference to other sections

**Reference to other sections** See Section 12: ECOLOGICAL INFORMATION  
Section 7: HANDLING AND STORAGE  
Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

## Section 7: HANDLING AND STORAGE

### 7.1. Precautions for safe handling

**Advice on safe handling** Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Take precautionary measures against static charges. Use explosion-proof electrical/ ventilating/ lighting/ equipment.

### 7.2. Conditions for safe storage, including any incompatibilities

**General hygiene considerations** Do not eat, drink or smoke when using this product. Regular cleaning of equipment, work area and clothing is recommended.

**Storage Conditions** Keep only in the original container/package in a cool well-ventilated place.

**Incompatible materials** Strong acids and bases

### 7.3. Specific end use(s)

**Specific Use(s)** Primers.

**Other information** No information available.

### 7.4. References to Other Sections

**Reference to other sections** See Section 12: ECOLOGICAL INFORMATION. Section 7: HANDLING AND STORAGE. Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION.

## Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1. Control parameters

#### Exposure Limits

Chemical name	New Zealand	Australia	European Union
Methyl ethyl ketone 78-93-3	TWA: 150 ppm TWA: 445 mg/m <sup>3</sup> STEL: 300 ppm STEL: 890 mg/m <sup>3</sup>	150 ppm TWA 445 mg/m <sup>3</sup> TWA 300 ppm STEL 890 mg/m <sup>3</sup> STEL	TWA: 200 ppm TWA: 600 mg/m <sup>3</sup> STEL: 300 ppm STEL: 900 mg/m <sup>3</sup>
4,4'-Methylenediphenyl	TWA: 0.02 mg/m <sup>3</sup>	0.02 mg/m <sup>3</sup> TWA	-

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diisocyanate 101-68-8	STEL: 0.07 mg/m <sup>3</sup>	0.07 mg/m <sup>3</sup> STEL	
Isophorone diisocyanate 4098-71-9	TWA: 0.02 mg/m <sup>3</sup> STEL: 0.07 mg/m <sup>3</sup> Skin	0.02 mg/m <sup>3</sup> TWA 0.07 mg/m <sup>3</sup> STEL	-

Chemical name	ACGIH TLV	NIOSH IDLH	OSHA PEL
Methyl ethyl ketone 78-93-3	STEL: 300 ppm TWA: 200 ppm	IDLH: 3000 ppm TWA: 200 ppm TWA: 590 mg/m <sup>3</sup> STEL: 300 ppm STEL: 885 mg/m <sup>3</sup>	TWA: 200 ppm TWA: 590 mg/m <sup>3</sup>
4,4'-Methylenediphenyl diisocyanate 101-68-8	TWA: 0.005 ppm	IDLH: 75 mg/m <sup>3</sup> Ceiling: 0.020 ppm 10 min Ceiling: 0.2 mg/m <sup>3</sup> 10 min TWA: 0.005 ppm TWA: 0.05 mg/m <sup>3</sup>	Ceiling: 0.02 ppm Ceiling: 0.2 mg/m <sup>3</sup>
Isophorone diisocyanate 4098-71-9	TWA: 0.005 ppm	TWA: 0.005 ppm TWA: 0.045 mg/m <sup>3</sup> STEL: 0.02 ppm STEL: 0.180 mg/m <sup>3</sup>	-

**Derived No Effect Level (DNEL)** No information available

**Predicted No Effect Concentration (PNEC)** No information available

**OTHER INFORMATION** No information available

## 8.2. Exposure controls

**Engineering controls** Ensure adequate ventilation, especially in confined areas.

### PPE - Personal Protection Equipment

- Eye/face protection** Wear safety glasses with side shields (or goggles).
- Skin and body protection** Wear suitable protective clothing. No special technical protective measures are necessary under normal conditions.
- Hand protection** Wear suitable chemical resistant gloves. The selection of suitable gloves does not only depend on the material, but also on further marks of quality and various manufacturers.
- Respiratory protection** No protective equipment is needed under normal use conditions. Respiratory protection required in insufficiently ventilated working areas and during spraying. An air-fed mask, or for short periods of work, a combination of professional filter is recommended.
- General hygiene considerations** Do not eat, drink or smoke when using this product. Wash hands thoroughly after handling. Avoid contact with skin, eyes or clothing. Take off contaminated clothing and wash before reuse.

**Environmental exposure controls** Do not allow into any sewer, on the ground or into any body of water.

## Section 9: PHYSICAL AND CHEMICAL PROPERTIES

### 9.1. Information on basic physical and chemical properties

**Appearance** Liquid  
**Color** Black  
**Odor** Solvent  
**Odor threshold** No information available

Property	Values	Remarks • Method
pH	No data available	
Melting point / freezing point	No data available	
Boiling point / boiling range	80 °C	
Flash point	-10 °C	
Evaporation rate	No data available	

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Flammability (solid, gas)	No data available	
Flammability Limit in Air		
Upper flammability or explosive limits	11.5	
Lower flammability or explosive limits	0.8	
Vapor pressure	150	hPa
Vapor density	2.5	
Relative density	0.98	None known
Water solubility	Insoluble in water	
Solubility(ies)	No data available	
Partition coefficient	No data available	
Autoignition temperature	400 °C	
Decomposition temperature	No data available	
Kinematic viscosity	No data available	
Dynamic viscosity	No data available	
Explosive properties	No information available	
Oxidizing properties	No information available	

## 9.2. Other information

Softening Point	No information available	
Molecular weight	No information available	
Solvent content (%)	No information available	
Solid content (%)	No information available	
Density		No information available
Bulk density	No information available	
VOC Content (%)	588.1 g/L / 61.91 %	

## Section 10: STABILITY AND REACTIVITY

### 10.1. Reactivity

Reactivity Stable under recommended storage conditions.

### 10.2. Chemical stability

Stability Stable under recommended storage conditions

### 10.3. Possibility of hazardous reactions

Possibility of hazardous reactions None under normal processing.

Hazardous polymerization Hazardous polymerization may occur.

### 10.4. Conditions to avoid

Conditions to avoid Keep away from heat, sparks and flames.

### 10.5. Incompatible materials

Incompatible materials Strong acids and bases.

### 10.6. Hazardous decomposition products

Hazardous decomposition products Carbon monoxide. Carbon dioxide (CO<sub>2</sub>). Nitrogen oxides (NO<sub>x</sub>). Hydrogen cyanide. Thermal decomposition can lead to release of irritating and toxic gases and vapors.

## Section 11: TOXICOLOGY INFORMATION

### 11.1. Information on toxicological effects

#### Acute Toxicity

Product Information Product does not present an acute toxicity hazard based on known or supplied

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<b>Inhalation</b>	information.
<b>Eye contact</b>	Harmful by inhalation.
<b>Skin contact</b>	Severely irritating to eyes.
<b>Ingestion</b>	May cause sensitization by skin contact. No data available.

## Component Information

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Methyl ethyl ketone 78-93-3	=2483 mg/kg (Rattus)	= 5000 mg/kg (Oryctolagus cuniculus)	=11700 ppm (Rattus) 4 h
4,4'-Methylenediphenyl diisocyanate 101-68-8	=31600 mg/kg (Rattus) = 9200 mg/kg (Rattus)	LD 50 > 9400 mg/kg (Oryctolagus cuniculus) OECD 402	=1.5 mg/L (Rattus) 4 h
Isophorone diisocyanate 4098-71-9	=4814 mg/kg (Rattus)	1060 - 4780 mg/kg (Oryctolagus cuniculus)	=0.135 mg/L (Rattus) 4 h

## Delayed and immediate effects as well as chronic effects from short and long-term exposure

<b>Skin corrosion/irritation</b>	No information available.
<b>Serious eye damage/eye irritation</b>	Irritating to eyes.
<b>Sensitization</b>	May cause sensitization by inhalation.
<b>Germ cell mutagenicity</b>	No information available.
<b>Reproductive toxicity</b>	No information available.
<b>STOT - single exposure</b>	retina.
<b>STOT - repeated exposure</b>	No information available.
<b>Target organ effects</b>	retina, Eyes, Skin, liver.
<b>Aspiration hazard</b>	No information available.
<b>Carcinogenicity</b>	The following substance(s) are classified in Annex VI CLP (1272/2008) as carcinogenic.

Chemical name	IARC	China	Japan
4,4'-Methylenediphenyl diisocyanate	Group 3	-	-

IARC (International Agency for Research on Cancer) Group 2B - Possibly Carcinogenic to Humans Group 3 - Not Classifiable as to Carcinogenicity in Humans

## Section 12: ECOLOGICAL INFORMATION

### 12.1. Toxicity

#### Ecotoxicity

#### Product Information

Harmful to aquatic life. Harmful to aquatic life with long lasting effects.

#### Component Information

Data obtained on the component(s) include

Chemical name	Algae/aquatic plants	Fish	Crustacea
Methyl ethyl ketone 78-93-3	EC50=1972 mg/l (Pseudokirchneriella subcapitata)	LC50: 3130 - 3320mg/L (96h, Pimephales promelas)	EC50 48 h > 308 mg/L (Daphnia magna)
4,4'-Methylenediphenyl diisocyanate 101-68-8	-	>1000 mg/l (Danio rerio)	-
Isophorone diisocyanate 4098-71-9	EC50: =118.7mg/L (72h, Desmodesmus subspicatus)	LC50: =1.8mg/L (48h, Leuciscus idus)	EC50: =83.7mg/L (24h, Daphnia magna)

### 12.2. Persistence and degradability

No information available.

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Component Information			
Methyl ethyl ketone (78-93-3)			
Method	Exposure time	Value	Results
OECD Test No. 301D: Ready Biodegradability: Closed Bottle Test (TG 301 D)	28 days	biodegradation	98 % Readily biodegradable

4,4'-Methylenediphenyl diisocyanate (101-68-8)			
Method	Exposure time	Value	Results
OECD Test No. 302C: Inherent Biodegradability: Modified MITI Test (II)	28 days	0% biodegradation	Not readily biodegradable

Isophorone diisocyanate (4098-71-9)			
Method	Exposure time	Value	Results
EU C.4-D	28 days	0%	Not readily biodegradable

## 12.3. Bioaccumulative potential

There is no data for this product.

## Component Information

Chemical name	Partition coefficient	Bioconcentration factor (BCF)
Methyl ethyl ketone 78-93-3	0.3	-
4,4'-Methylenediphenyl diisocyanate 101-68-8	4.51	200

## 12.4. Mobility in soil

No information available.

## 12.5. Results of PBT and vPvB assessment

. The components in this formulation do not meet the criteria for classification as PBT or vPvB.

Chemical name	PBT and vPvB assessment
Methyl ethyl ketone 78-93-3	The substance is not PBT / vPvB
4,4'-Methylenediphenyl diisocyanate 101-68-8	The substance is not PBT / vPvB
Isophorone diisocyanate 4098-71-9	The substance is not PBT / vPvB

## 12.6. Other adverse effects

No information available.

## Section 13: DISPOSAL CONSIDERATIONS

### 13.1. Waste treatment methods

**Waste from residues/unused products** Disposal should be in accordance with applicable regional, national and local laws and regulations.

**Contaminated packaging** Improper disposal or reuse of this container may be dangerous and illegal.

## Section 14: TRANSPORT INFORMATION

### IMDG

UN number UN1139  
Proper Shipping Name Coating solution



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Transport hazard class(es) 3  
Packing group II  
Marine Pollutant Np  
EmS-No. F-E, S-E  
Limited Quantity (LQ) 5 L  
Description UN1139, Coating solution, 3, II, (-10°C c.c.)

IATA  
UN number UN1139  
Proper Shipping Name Coating solution  
Transport hazard class(es) 3  
Packing group II  
ERG Code 3L  
Limited Quantity (LQ) 1 L  
Special Provisions A3  
Description UN1139, Coating solution, 3, II

ADR  
UN Number UN1139  
Proper Shipping Name Coating solution  
Transport hazard class(es) 3  
Labels 3  
Packing Group II  
Description UN1139, Coating solution, 3, II, (D/E)  
Limited Quantity (LQ) 5 L  
Special Provisions 640D  
Classification Code F1  
Tunnel Restriction Code (D/E)

## Section 15: REGULATORY INFORMATION

### National Regulations

ERMA Group HSR002662

## Section 16: OTHER INFORMATION

Chronic Hazard Star Legend \* = Chronic Health Hazard

### Key or legend to abbreviations and acronyms used in the safety data sheet

No information available

### Key Literature References and Sources for Data

No information available

Prepared By Product Safety & Regulatory Affairs

Revision date 18-Aug-2019

Revision note SDS sections updated: 3.

Training Advice Provide adequate information, instruction, and training for operator

### Disclaimer

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.

End of Safety Data Sheet