

BOSTIK SIMSON PREP P
 Revision Number 1

Revision date 04-Aug-2019
 Supersedes Date: 04-Aug-2019

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

1.1. Product Identifier

Product Name BOSTIK SIMSON PREP P
Pure substance/mixture Mixture

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

Recommended use Primers, Primers, Sealers, and Undercoaters.
Uses advised against No information available.

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 GmbH
 An der Bundesstrasse 16
 33829 Borgholzhausen, Germany
 Tel: +49 (0) 5425 / 801 0
 Fax: +49 (0) 5425 / 801 140

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

Serious eye damage/eye irritation	Category 2A (6.4A)
Respiratory sensitization	Category 1 (6.5A)
Skin sensitization	Category 1B
Specific target organ toxicity - Single exposure	Category 3 (1)
Hazardous to the Aquatic Environment - Acute Hazard	Category 3 (9.1D)
Hazardous to the Aquatic Environment - Chronic Hazard	Category 3 (9.1C)
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

H319 - Causes serious eye irritation
 H336 - May cause drowsiness or dizziness
 H334 - May cause allergy or asthma symptoms or breathing difficulties if inhaled

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H335 - May cause respiratory irritation
H317 - May cause an allergic skin reaction
H412 - Harmful to aquatic life with long lasting effects
H225 - Highly flammable liquid and vapor

Prevention

P264 - Wash face, hands and any exposed skin thoroughly after handling
P280 - Wear protective gloves/protective clothing/eye protection/face protection
P261 - Avoid breathing dust/fume/gas/mist/vapors/spray
P284 - In case of inadequate ventilation wear respiratory protection
P272 - Contaminated work clothing should not be allowed out of the workplace
P271 - Use only outdoors or in a well-ventilated area
P273 - Avoid release to the environment
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

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

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

Fire

P370 + P378 - In case of fire: Use dry chemical, CO₂, 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

Small amounts of methanol (CAS 67-56-1) are formed by hydrolysis and released upon curing

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Section 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances

Mixture

3.2 Mixtures

Chemical name	CAS No.	Weight-%
Ethyl acetate	141-78-6	40 - <80
Cyclohexane, 5-isocyanato-1-(isocyanatomethyl)-1,3,3-trimethyl-, homopolymer	53880-05-0	20- <40
Carbamic acid, 1,6-hexanediylbis-, bis[2-[2-(1-ethylpentyl)-3-oxazolidinyl]ethyl] ester	140921-24-0	10 - <20
Solvent naphtha, petroleum, light aromatic	64742-95-6	5 - <10
Hexahydro-4-methylphthalic anhydride	19438-60-9	0.1- <1
Glycidoxypropyltrimethoxysilane	2530-83-8	0.1- <1
2,2,4-Trimethylpentane	540-84-1	0.1- <1
Isophorone diisocyanate	4098-71-9	0.1- <1

*** Any remaining ingredients are not hazardous

Section 4: FIRST AID MEASURES

4.1. Description of first aid measures

General advice	If medical advice is needed, have product container or label at hand.
Inhalation	Remove to fresh air.
Skin contact	Wash with plenty of soap and water. If skin irritation occurs: Get medical advice/attention.
Eye contact	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.
Ingestion	If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label.
Self-protection of the first aider	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. Small amounts of methanol (CAS 67-56-1) are formed by hydrolysis and released upon curing.

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

Explosive properties May form explosive mixtures with air.

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

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 monoxide. Carbon dioxide (CO₂). Hydrocarbons. Hydrogen cyanide.

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 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.

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.

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.

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Incompatible materials Strong acids and bases

7.3. Specific end use(s)

Specific Use(s) Primers. Primers, Sealers, and Undercoaters.

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
Ethyl acetate 141-78-6	TWA: 200 ppm TWA: 720 mg/m ³	200 ppm TWA 720 mg/m ³ TWA 400 ppm STEL 1440 mg/m ³ STEL	-
Isophorone diisocyanate 4098-71-9	TWA: 0.02 mg/m ³ STEL: 0.07 mg/m ³ Skin	0.02 mg/m ³ TWA 0.07 mg/m ³ STEL	-

Chemical name	ACGIH TLV	NIOSH IDLH	OSHA PEL
Ethyl acetate 141-78-6	TWA: 400 ppm	IDLH: 2000 ppm TWA: 400 ppm TWA: 1400 mg/m ³	TWA: 400 ppm TWA: 1400 mg/m ³
2,2,4-Trimethylpentane 540-84-1	TWA: 300 ppm	-	-
Isophorone diisocyanate 4098-71-9	TWA: 0.005 ppm	TWA: 0.005 ppm TWA: 0.045 mg/m ³ STEL: 0.02 ppm STEL: 0.180 mg/m ³	-

Derived No Effect Level (DNEL) No information available

Predicted No Effect Concentration (PNEC) No information available

OTHER INFORMATION Small amounts of methanol (CAS 67-56-1) are formed by hydrolysis and released upon curing

8.2. Exposure controls

Engineering controls Ensure adequate ventilation, especially in confined areas. Use with local exhaust ventilation.

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.

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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	Clear	
Odor	Solvent	
Odor threshold	No information available	
Property	Values	Remarks • Method
pH	No data available	Not applicable
Melting point / freezing point	No data available	
Boiling point / boiling range	76 °C	
Flash point	-4 °C	CC (closed cup)
Evaporation rate	No data available	
Flammability (solid, gas)	Not applicable for liquids	
Flammability Limit in Air		
Upper flammability or explosive limits	No data available	
Lower flammability or explosive limits	No data available	
Vapor pressure	1100	hPa @ 50 °C
Vapor density	No data available	
Relative density	1	
Water solubility	No data available	
Solubility(ies)	No data available	
Partition coefficient	No data available	
Autoignition temperature	No data available	
Decomposition temperature	No data available	
Kinematic viscosity	< 20 mm ² /s	@ 40°C None known
Dynamic viscosity	No data available	
Explosive properties	May form explosive mixtures with air	
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	1 g/cm ³
Bulk density	No information available
VOC Content (%)	<= 64 g/L

Section 10: STABILITY AND REACTIVITY

10.1. Reactivity

Reactivity Stable under recommended storage conditions.

10.2. Chemical stability

10.3. Possibility of hazardous reactions

Possibility of hazardous reactions Vapors or dust may form explosive mixtures with air.

Hazardous polymerization None under normal processing.

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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 None under normal use conditions.

Section 11: TOXICOLOGY INFORMATION

11.1. Information on toxicological effects

Acute Toxicity

Product Information

Inhalation Inhalation of vapors in high concentration may cause irritation of respiratory system. May cause drowsiness or dizziness.
Eye contact Severely irritating to eyes.
Skin contact Based on available data, the classification criteria are not met.
Ingestion Based on available data, the classification criteria are not met.

Component Information

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Ethyl acetate 141-78-6	= 5620 mg/kg (Rat)	> 18000 mg/kg (Rabbit) > 20 mL/kg (Rabbit)	LC0 29.3 mg/l air
Cyclohexane, 5-isocyanato-1-(isocyanatomethyl)- -1,3,3-trimethyl-, homopolymer 53880-05-0	LD50 >14000 mg/Kg (Rat)	-	LC50 > 5Mg/L/4h/ (Rat) Dust/mist
Carbamic acid, 1,6-hexanediylbis-, bis[2-[2-(1-ethylpentyl)-3-oxazolidi nyl]ethyl] ester 140921-24-0	> 2000 mg/kg	> 2000 mg/kg	-
Solvent naphtha, petroleum, light aromatic 64742-95-6	= 8400 mg/kg (Rat)	> 2000 mg/kg (Rabbit)	= 3400 ppm (Rat) 4 h
Hexahydro-4-methylphthalic anhydride 19438-60-9	LD50 > 2000 mg/kg (Rat) OECD 423	LD50 > 2000 mg/kg (Rat) OECD 402 LD0 = 2000 mg/kg (Rat)	-
Glycidoxypropyltrimethoxysilane 2530-83-8	= 8025 mg/kg (rat)	= 4250 mg/kg (Rabbit)	> 5.3 mg/L (Rat) 4 h
2,2,4-Trimethylpentane 540-84-1	> 5000 mg/kg (Rat)	> 2000 mg/kg (Rabbit)	> 14.38 mg/L (Rat) 4 h
Isophorone diisocyanate 4098-71-9	= 4814 mg/kg (Rat)	1060 - 4780 mg/kg (Rabbit)	= 0.135 mg/L (Rat) 4 h

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

Skin corrosion/irritation Based on available data, the classification criteria are not met.
Serious eye damage/eye irritation Severe eye irritation.
Sensitization May cause sensitization by skin contact.
Germ cell mutagenicity Based on available data, the classification criteria are not met.
Reproductive toxicity Based on available data, the classification criteria are not met.
STOT - single exposure May cause respiratory irritation. May cause drowsiness or dizziness.
STOT - repeated exposure No information available.
Target organ effects Eyes, retina, Skin.
Aspiration hazard Not applicable. Based on available data, the classification criteria are not met.
Carcinogenicity Based on available data, the classification criteria are not met.

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Section 12: ECOLOGICAL INFORMATION

12.1. Toxicity

Ecotoxicity

Product Information

Harmful to aquatic life with long lasting effects.

Component Information

Data obtained on the component(s) include

Chemical name	Algae/aquatic plants	Fish	Crustacea
Ethyl acetate 141-78-6	EC50: =3300mg/L (48h, Desmodesmus subspicatus)	LC50: =484mg/L (96h, Oncorhynchus mykiss) LC50: 352 - 500mg/L (96h, Oncorhynchus mykiss) LC50: 220 - 250mg/L (96h, Pimephales promelas)	EC50: =560mg/L (48h, Daphnia magna)
Cyclohexane, 5-isocyanato-1-(isocyanatomethyl)- -1,3,3-trimethyl-, homopolymer 53880-05-0	ErC50 (72h) >3.1 mg/L (DESMODESMUS SUBSPICATUS) Static (OECD 201)	LC50 (96h) >1.5 mg/L (Cyprinus carpio) (EU Method C.1)	EC50 (48h) >3.36 mg/L (Daphnia magna) Static (OECD guideline 202)
Carbamic acid, 1,6-hexanediylbis-, bis[2-[2-(1-ethylpentyl)-3-oxazolidi nyl]ethyl] ester 140921-24-0	-	LC50: =199.2mg/L (96h, Danio rerio)	-
Solvent naphtha, petroleum, light aromatic 64742-95-6	-	LC50: =9.22mg/L (96h, Oncorhynchus mykiss)	EC50 48 h = 3.2 mg/L (Daphnia magna)
Hexahydro-4-methylphthalic anhydride 19438-60-9	EC50 (72h) = 81.3 mg/L (Pseudokirchneriella subcapitata) OECD 201	LD50 (96h) > 100 mg/L (Oncorhynchus mykiss) OECD 203	EC50 (48h) > 100 mg/L (Daphnia magna) OECD 202
Glycidoxypropyltrimethoxysilane 2530-83-8	-	LC50 (96h) = 55 mg/L (Cyprinus carpio) OECD 203	EC50 (48h) =473 mg/L Daphnia magna
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.

Component Information

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)
Ethyl acetate 141-78-6	0.6	30
Hexahydro-4-methylphthalic anhydride 19438-60-9	2.09	3.16

12.4. Mobility in soil

No information available.

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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
Ethyl acetate 141-78-6	The substance is not PBT / vPvB PBT assessment does not apply
Cyclohexane, 5-isocyanato-1-(isocyanatomethyl)-1,3,3-trimethyl-, homopolymer 53880-05-0	The substance is not PBT / vPvB
Carbamic acid, 1,6-hexanediyldis-, bis[2-[2-(1-ethylpentyl)-3-oxazolidinyl]ethyl] ester 140921-24-0	The substance is not PBT / vPvB
Solvent naphtha, petroleum, light aromatic 64742-95-6	The substance is not PBT / vPvB
Hexahydro-4-methylphthalic anhydride 19438-60-9	The substance is not PBT / vPvB
Glycidoxypropyltrimethoxysilane 2530-83-8	The substance is not PBT / vPvB
2,2,4-Trimethylpentane 540-84-1	The substance is not PBT / vPvB PBT assessment does not apply
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 UN1993
Proper Shipping Name Flammable liquid, n.o.s. (Ethyl acetate, Solvent naphtha, petroleum, light aromatic)
Transport hazard class(es) 3
Packing group II
Marine Pollutant Np
EmS-No. F-E, S-E
Special Provisions 274
Limited Quantity (LQ) 1 L
Description UN1993, Flammable liquid, n.o.s. (Ethyl acetate, Solvent naphtha, petroleum, light aromatic), 3, II, (-4°C c.c.)

IATA

UN number UN1993
Proper Shipping Name Flammable liquid, n.o.s. (Ethyl acetate, Solvent naphtha, petroleum, light aromatic)
Transport hazard class(es) 3
Packing group II
ERG Code 3H
Limited Quantity (LQ) 1 L
Special Provisions A3
Description UN1993, Flammable liquid, n.o.s. (Ethyl acetate, Solvent naphtha, petroleum, light aromatic), 3, II

ADR

UN Number UN1993

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Proper Shipping Name	Flammable liquid, n.o.s. (Ethyl acetate, Solvent naphtha, petroleum, light aromatic)
Transport hazard class(es)	3
Labels	3
Packing Group	II
Description	UN1993, Flammable liquid, n.o.s. (Ethyl acetate, Solvent naphtha, petroleum, light aromatic), 3, II, (D/E)
Limited Quantity (LQ)	1 L
Special Provisions	274, 601, 640C
Classification Code	F1
Tunnel Restriction Code	(D/E)

Section 15: REGULATORY INFORMATION

National Regulations

ERMA Group HSR002662

Section 16: OTHER INFORMATION

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	04-Aug-2019
Revision note	Not applicable.
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