

SIMSON PREP M
 Revision Number 2

Revision Date 07-Apr-2019
 Supersedes Date: 28-Jun-2017

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

1.1. Product Identifier

Product Name SIMSON PREP M
Pure substance/mixture Mixture

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

Recommended use Primers.
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

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

Aspiration hazard	Category 1 (6.1E ^g)
Skin corrosion/irritation	Category 2 (6.3A)
Serious eye damage/eye irritation	Category 1 (8.3A)
Reproductive toxicity	Category 2 (6.8B)
STOT - single exposure	Category 3 (f)
Acute aquatic toxicity	Category 3 (9.1D)
Chronic aquatic toxicity	Category 2 (9.1B)
Flammable Liquids	Category 2 (3.1B)

ERMA Group HSR002662

2.2. Label Elements



Signal word Danger

Hazard statements

H361 - Suspected of damaging fertility or the unborn child
 H411 - Toxic to aquatic life with long lasting effects
 H304 - May be fatal if swallowed and enters airways

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H315 - Causes skin irritation
H336 - May cause drowsiness or dizziness
H402 - Harmful to aquatic life
H318 - Causes serious eye damage
H225 - Highly flammable liquid and vapor

Precautionary Statements - Prevention

P201 - Obtain special instructions before use
P202 - Do not handle until all safety precautions have been read and understood
P281 - Use personal protective equipment as required
P264 - Wash face, hands and any exposed skin thoroughly after handling
P261 - Avoid breathing dust/fume/gas/mist/vapors/spray
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

Precautionary Statements - Response

P321 - Specific treatment (see supplemental first aid instructions on this label)

Inhalation

P304 + P340 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing

Skin

P332 + P313 - If skin irritation occurs: Get medical advice/attention
P303 + P361 + P353 - IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower
P363 - Wash contaminated clothing before reuse

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
P310 - Immediately call a POISON CENTER or doctor

Ingestion

P301 + P310 - IF SWALLOWED: Immediately call a POISON CENTER or doctor
P331 - Do NOT induce vomiting

Fire

In case of fire: Use CO₂, dry chemical, or foam to extinguish

Spill

P391 - Collect spillage

Precautionary Statements - Storage

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

Precautionary Statements - Disposal

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

2.3. Other Hazards

Section 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances

Mixture

3.2 Mixtures

Chemical name	CAS No.	Weight-%
Alkanes, C7-10-iso-	90622-56-3	80-100
Butyl titanate	5593-70-4	10 - <20
Toluene	108-88-3	NF
Ethyl silicate	78-10-4	1 - <3

*** Any remaining ingredients are not hazardous

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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.

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	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 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.

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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.

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
Toluene 108-88-3	TWA: 50 ppm TWA: 188 mg/m ³ Skin	50 ppm TWA 191 mg/m ³ TWA 150 ppm STEL 574 mg/m ³ STEL	TWA: 50 ppm TWA: 192 mg/m ³ *
Ethyl silicate 78-10-4	TWA: 10 ppm TWA: 85 mg/m ³	10 ppm TWA 85 mg/m ³ TWA	-

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Chemical name	ACGIH TLV	NIOSH IDLH	OSHA PEL
Toluene 108-88-3	TWA: 20 ppm	IDLH: 500 ppm TWA: 100 ppm TWA: 375 mg/m ³ STEL: 150 ppm STEL: 560 mg/m ³	TWA: 200 ppm Ceiling: 300 ppm
Ethyl silicate 78-10-4	TWA: 10 ppm	IDLH: 700 ppm TWA: 10 ppm TWA: 85 mg/m ³	TWA: 100 ppm TWA: 850 mg/m ³

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 No information available.

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Appearance Liquid
Color Colorless to yellow
Odor Slight
Odor Threshold No information available

Property	Values	Remarks • Method
pH	No data available	
Melting point / freezing point	No information available	
Boiling point / boiling range	116 - 142 °C / 241 - 288 °F	
Flash Point	3 °C / 37 °F	ISO 13736
Evaporation Rate	No information available	
Flammability (solid, gas)	No information available	
Flammability Limit in Air		
Upper flammability or explosive limits	7.0	
Lower flammability or explosive limits	0.9	
Vapor Pressure	No information available	
Vapor Density	No information available	
Relative Density	0.76	
Water Solubility	Insoluble in water	
Solubility in Other Solvents	No information available	
Partition coefficient	No information available	
Autoignition Temperature	370 °C / 698 °F	

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Decomposition Temperature	No information available
Kinematic Viscosity	No information available
Dynamic Viscosity	0.76 mPa s
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 (volatile organic compound)	No information available

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 None under normal processing.

Hazardous Polymerization None under normal processing.

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 oxides.

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 information.
Inhalation	No data available.
Eye contact	No data available.
Skin contact	No data available.
Ingestion	No data available.

Numerical measures of toxicity

Unknown acute toxicity

- 0 % of the mixture consists of ingredient(s) of unknown acute oral toxicity
- 0 % of the mixture consists of ingredient(s) of unknown acute dermal toxicity
- 12 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (gas)
- 12 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (vapor)
- 0 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (dust/mist)

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Component Information

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Alkanes, C7-10-iso-90622-56-3	> 10000 µL/kg (Rat)	> 3160 µL/kg (Rabbit)	> 4504 ppm (Rat) 4 h
Butyl titanate 5593-70-4	= 3122 mg/kg (Rat)	>5000 mg/Kg (Rabbit)	-
Toluene 108-88-3	= 5580 mg/kg (Rat)	= 12000 mg/kg (Rabbit)	> 20 mg/L (Rat) 4 h
Ethyl silicate 78-10-4	LD50 > 2500 mg/kg (Rat) OECD 423	= 5878 mg/kg (Rabbit) = 6300 µL/kg (Rabbit)	-

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

Skin corrosion/irritation	No information available.
Serious eye damage/eye irritation	No information available.
Sensitization	No information available.
Germ cell mutagenicity	No information available.
Reproductive toxicity	Product is or contains a chemical which is a known or suspected reproductive hazard.
STOT - single exposure	No information available.
STOT - repeated exposure	No information available.
Target Organ Effects	blood forming system, liver, Eyes, kidney, blood, retina, Skin.
Aspiration hazard	No information available.
Carcinogenicity	No information available.

Chemical name	IARC	China	Japan
Toluene	Group 3	-	-

IARC (International Agency for Research on Cancer) *Group 3 - Not Classifiable as to Carcinogenicity in Humans*

Section 12: ECOLOGICAL INFORMATION

12.1. Toxicity

Ecotoxicity

Product Information

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

Component Information

Data obtained on the component(s) include

Chemical name	Algae/aquatic plants	Fish	Crustacea
Alkanes, C7-10-iso-90622-56-3	-	18.4 mg/L (Oncorhynchus mykiss)	EL50 (48h)= 2.4 mg/L (Daphnia magna)
Butyl titanate 5593-70-4	-	1825 mg/l	1300 mg/l (Daphnia magna)
Toluene 108-88-3	EC50 72 h = 12.5 mg/L (Pseudokirchneriella subcapitata)	LC50 96 h 5.89 - 7.81 mg/L (Oncorhynchus mykiss flow-through) LC50 96 h = 5.8 mg/L (Oncorhynchus mykiss semi-static)	EC50: =11.5mg/L (48h, Daphnia magna) EC50: 5.46 - 9.83mg/L (48h, Daphnia magna)
Ethyl silicate 78-10-4	EC 50 (72h) > 100 mg/L (Pseudokirchneriella subcapitata) OECD 201	LC50 (96h) > 245 mg/L (Danio rerio) EU Method C.1	-

12.2. Persistence and degradability

No information available.

12.3. Bioaccumulative potential

There is no data for this product.

Chemical name	Partition coefficient	Bioconcentration factor (BCF)
Butyl titanate	0.84	-

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5593-70-4		
Toluene 108-88-3	2.7	-
Ethyl silicate 78-10-4	3.18	-

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
Butyl titanate 5593-70-4	The substance is not PBT / vPvB
Toluene 108-88-3	The substance is not PBT / vPvB PBT assessment does not apply
Ethyl silicate 78-10-4	The substance is not PBT / vPvB PBT assessment does not apply

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. (Alkanes, C7-10-iso-), Marine Pollutant
Transport hazard class(es) 3
Packing Group II
Marine Pollutant P
EmS-No. F-E, S-E
Special Provisions 274
Limited Quantity (LQ) 1 L
Description UN1993, Flammable liquid, n.o.s. (Alkanes, C7-10-iso-), 3, II, (3°C c.c.), Marine Pollutant

IATA

UN Number UN1993
Proper Shipping Name Flammable liquid, n.o.s. (Alkanes, C7-10-iso-, Butyl titanate)
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. (Alkanes, C7-10-iso-, Butyl titanate), 3, II

ADR

UN Number UN1993
Proper Shipping Name Flammable liquid, n.o.s. (Alkanes, C7-10-iso-, Butyl titanate), Environmentally Hazardous
Transport hazard class(es) 3
Labels 3

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Packing Group Description	II UN1993, Flammable liquid, n.o.s. (Alkanes, C7-10-iso-, Butyl titanate), 3, II, (D/E), Environmentally Hazardous
Environmental hazards	Yes
Limited Quantity (LQ)	1 L
Special Provisions	274, 601, 640C
Classification Code	F1
Tunnel Restriction Code	(D/E)

Section 15: REGULATORY INFORMATION

National Regulations

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 07-Apr-2019

Revision note Not applicable.

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

Disclaimer

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End of Safety Data Sheet