

PRIMER MSP TRANSPARENT
 Revision Number 1.01

Revision Date 29-Jul-2018
 Supersedes Date: 01-Jun-2017

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

1.1. Product Identifier

Product Name PRIMER MSP TRANSPARENT
Pure substance/mixture Mixture

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

Recommended use Restricted to professional users. 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

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

Skin Corrosion/Irritation	Category 2 (6.3A)
Serious Eye Damage/Eye Irritation	Category 2A (6.4A)
Skin sensitization	Category 1 (6.5B)
Reproductive toxicity	Category 2 (6.8B)
STOT - Single Exposure	Category 3 (!)
Specific target organ toxicity (repeated exposure)	Category 2 (6.9B)
Acute aquatic toxicity	Category 2 (9.1D)
Chronic aquatic toxicity	Category 3 (9.1C)
Flammable Liquids	Category 2 (3.1B)

Classification in parenthesis is applicable for New Zealand Hazard Classification

ERMA Group HSR002662

2.2. Label Elements



Signal Word DANGER

Hazard statements

H336 - May cause drowsiness or dizziness

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H361 - Suspected of damaging fertility or the unborn child
H317 - May cause an allergic skin reaction
H401 - Toxic to aquatic life
H319 - Causes serious eye irritation
H412 - Harmful to aquatic life with long lasting effects
H315 - Causes skin irritation
H373 - May cause damage to organs through prolonged or repeated exposure
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
P272 - Contaminated work clothing should not be allowed out of the workplace
P280 - Wear protective gloves
P260 - Do not breathe 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/sparks/open flames/hot surfaces. - 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

P333 + P313 - If skin irritation or rash 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
P337 + P313 - If eye irritation persists: Get medical advice/attention

Fire

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

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-%
Toluene	108-88-3	40 - <80
1-Butanol	71-36-3	1 - <3
Methyl methacrylate	80-62-6	0.1- <1
Butyl methacrylate	97-88-1	0.1- <1

*** 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

Explosive Properties	May form explosive mixtures with air.
Suitable Extinguishing Media	Move containers from fire area if you can do it without risk. Use CO ₂ , 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. Silicon 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.

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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/sparks/open flames/hot surfaces. — 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 STEL: 100ppm STEL: 384mg/m ³ S*

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1-Butanol 71-36-3	Ceiling: 50 ppm Ceiling: 150 mg/m ³ Skin	50 ppm Peak 152 mg/m ³ Peak	-
Methyl methacrylate 80-62-6	TWA: 50 ppm TWA: 208 mg/m ³ STEL: 100 ppm STEL: 416 mg/m ³ Skin	50 ppm TWA 208 mg/m ³ TWA 100 ppm STEL 416 mg/m ³ STEL	TWA: 50ppm STEL: 100ppm

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
1-Butanol 71-36-3	TWA: 20 ppm	IDLH: 1400 ppm Ceiling: 50 ppm Ceiling: 150 mg/m ³	TWA: 100 ppm TWA: 300 mg/m ³
Methyl methacrylate 80-62-6	STEL: 100 ppm TWA: 50 ppm	IDLH: 1000 ppm TWA: 100 ppm TWA: 410 mg/m ³	TWA: 100 ppm TWA: 410 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. Use with local exhaust ventilation. in the case of spray application.

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

Color	Colorless to yellow
Odor	Solvent
Odor Threshold	No information available

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
pH	No information available	Not applicable
Melting point / freezing point	No information available	
Boiling point / boiling range	approx. 110 °C / 230 °F	
Flash Point	approx. 8 °C / 46.4 °F	DIN 51755 Part 1
Evaporation Rate	No information available	
Flammability (solid, gas)	No information available	Not applicable for liquids
Flammability Limit in Air		

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Upper flammability or explosive limits	No information available	
Lower flammability or explosive limits	No information available	
Vapor Pressure	< 1100	@ 50 °C hPa
Vapor Density	No information available	
Relative Density	0.95 °C	None known
Water Solubility	Insoluble	
Solubility in Other Solvents	No information available	
Partition Coefficient	No information available	
Autoignition Temperature	420 °C / 788 °F	
Decomposition Temperature	No information available	
Kinematic Viscosity	21 mm ² /s	@ 40°C None known
Dynamic Viscosity	100 mPa s	
Explosive Properties	May form explosive mixtures with air	
Explosive Limits		
Upper	7.0 Vol %	
Lower	1.2 Vol %	
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	

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 Vapors or dust may form explosive mixtures with air.

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 None under normal use and recommended storage conditions. Carbon oxides.

Section 11: TOXICOLOGY INFORMATION

11.1. Information on toxicological effects

Acute Toxicity

Product Information .

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Inhalation	May cause drowsiness or dizziness.
Eye contact	Severely irritating to eyes.
Skin Contact	Irritating to skin. May cause sensitization by skin contact.
Ingestion	No known effect based on information supplied.

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
- 2.99 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (gas)
- 2.99 % 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)

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Toluene 108-88-3	= 5580 mg/kg (Rat)	= 12000 mg/kg (Rabbit)	> 20 mg/L (Rat) 4 h
1-Butanol 71-36-3	= 700 mg/kg (Rat) = 790 mg/kg (Rat)	= 3400 mg/kg (Rabbit) = 3402 mg/kg (Rabbit)	> 8000 ppm (Rat) 4 h
Methyl methacrylate 80-62-6	= 7872 mg/kg (Rat)	5000 - 7500 mg/kg (Rabbit) > 5 g/kg (Rabbit)	= 7093 ppm (Rat) 4 h
Butyl methacrylate 97-88-1	= 16 g/kg (Rat)	= 11300 mg/kg (Rabbit)	= 4910 ppm (Rat) 4 h

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

Skin Corrosion/Irritation	Irritating to skin.
Serious Eye Damage/Eye Irritation	Severe eye irritation.
Sensitization	May cause sensitization of susceptible persons. May cause sensitization by skin contact.
Germ Cell Mutagenicity	Based on available data, the classification criteria are not met.
Reproductive Toxicity	Possible risk of harm to the unborn child. Product is or contains a chemical which is a known or suspected reproductive hazard.
STOT - Single Exposure	May cause drowsiness or dizziness.
STOT - Repeated Exposure	May cause damage to organs through prolonged or repeated exposure.
Target Organ Effects	Central nervous system, Eyes, Kidney, Liver, Respiratory system, Skin.
Aspiration hazard	Not applicable.
Carcinogenicity	Based on available data, the classification criteria are not met.

Chemical Name	IARC	China	Japan
Toluene	Group 3	-	-
Methyl methacrylate	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

Toxic 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
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 48 h = 11.5 mg/L (Daphnia magna) EC50 48 h 5.46 - 9.83 mg/L (Daphnia magna Static)
1-Butanol 71-36-3	EC50 (72h) = 225 mg/L (Pseudokirchneriella subcapitata)	LC50 (96h) = 1376 mg/l (Pimephales promelas) OECD 203	EC 50 (48h) = 1328 mg/l (Daphnia magna) OECD 202
Methyl methacrylate	EC50 96 h = 170 mg/L	LC50 96 h > 79 mg/L	EC50 48 h = 69 mg/L (Daphnia)

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80-62-6	(Pseudokirchneriella subcapitata)	(Oncorhynchus mykiss static) Lepomis macrochirus 96h =191-283 mg/l	magna)
Butyl methacrylate 97-88-1	EC50 96 h = 57 mg/L (Pseudokirchneriella subcapitata)	LC50 96 h = 11 mg/L (Pimephales promelas flow-through)	EC50 48 h = 32 mg/L (Daphnia magna)

12.2. Persistence and degradability

No information available.

12.3. Bioaccumulative potential

No information available.

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.

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: TRANSPORTATION INFORMATION

IMDG

UN Number UN1993
Proper Shipping Name Flammable liquid, n.o.s. (Toluene, Methyl alcohol)
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. (Toluene, Methyl alcohol), 3, II, (8°C c.c.)

IATA

UN Number UN1993
Proper Shipping Name Flammable liquid, n.o.s. (Toluene, Methyl alcohol)
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. (Toluene, Methyl alcohol), 3, II

ADR

UN Number UN1993
Proper Shipping Name Flammable liquid, n.o.s. (Toluene, Methyl alcohol)
Transport hazard class(es) 3
Labels 3
Packing Group II

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Description	UN1993, Flammable liquid, n.o.s. (Toluene, Methyl alcohol), 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

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 29-Jul-2018

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