

**MATERIAL SAFETY DATA SHEET****B-PRIMER****PART 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING**

Date issued	13/12/2019
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**1.1 PRODUCT IDENTIFIER**

Trade name	B-primer
Product code	B-L.P1 B-L.P

**1.2 RELEVANT IDENTIFIED USES OF THE SUBSTANCE OR MIXTURE AND USES ADVISED AGAINST**

Use	Adherence primer for the B-LIQUIDS.
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**1.3 DETAILS OF THE SUPPLIER OF THE SAFETY DATA SHEET****MANUFACTURER**

Company name	Brugs Dak Centrum
Postal address	Krakeleweg 6-8
Postcode	B-8000
City	Brugge
Country	Belgium
Tel	+32 (0)50 31 28 98
Fax	+32 (0)50 31 05 23
E-mail	greet@brugsdakcentrum.be
Website	<a href="http://www.brugsdakcentrum.be">http://www.brugsdakcentrum.be</a>
Contact person	Greet Van Nieuwenhuyse

**1.4 EMERGENCY TELEPHONE NUMBER**

Phone nr	Only emergency call number: 112
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## PART 2: HAZARDS IDENTIFICATION

## 2.1. CLASSIFICATION OF THE SUBSTANCE OR MIXTURE

## CLASSIFICATION EC 67/548 OR EC 1999/45

Classification	R10-66-67
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## HAZARDS CLASS AND CATEGORY CODE REGULATIONS EC 1272/2008 (CLP)


Health hazards	Eye irritation – Category 2A – Warning (CLP: Eye Irrit. 2) H319 Specific Target Organ Toxicity – Single exposure – Category 3 – Warning (CLP: STOT SE 3) H336
Physical hazards	Flammable liquids – Category 3 – Warning (CLP: Flam. Liq. 3) H226

## 2.2 LABEL ELEMENTS

## LABELLING EC 67/548 OR EC 1999/45

R Phrase(s)	R10: Flammable R66: Repeated exposure may cause skin dryness or cracking. R67: Vapours may cause drowsiness and dizziness.
Contains	N-butyl acetate – Organofunctional silane ester

## LABELLING REGULATION EC 1272/2008 (CLP)

Hazard pictograms	
Signal words	Warning
Hazard statements:	H226: Flammable liquid and vapour. H319: Causes serious eye irritation. H336: May cause drowsiness or dizziness.
Precautionary statements	
<i>General</i>	P102: Keep out of reach of children.
<i>Prevention</i>	P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. P241: Use explosion-proof electrical, ventilating, lighting, ..., equipment.
<i>Response</i>	P303+P361+P353: IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
<i>Storage</i>	P403+P233: Store in a well ventilated place. Keep container tightly closed.
<i>Disposal considerations</i>	P501: Dispose of contents/container in accordance with local/regional/national/international regulations.
Contains	N-butyl acetate – Organofunctional silane ester

## 2.3 OTHER HAZARDS

EUH066: Repeated exposure may cause skin dryness or cracking.

The substance does not fulfill the criteria to be identified as PBT substance or vPvB substance according to Annex XIII of Regulation REACH.

## PART 3: COMPOSITION/INFORMATION ON INGREDIENTS

Substance/ Preparation	Mixture
Hazardous component(s)	Mixture of substances listed below with nonhazardous additions.

Substance name	Contents	CAS N°	EC N°	Annex N°	REACH	
					Ref.	Classification
n-butyl acetate	50-75%	123-86-4	204-658-1	----	----	R10-66-67 ----- Flam. Liq. 3_ H226 STOT SE 3_ H336
Organofunctional silane ester	0-2,5%	----	----	----	----	Xi; R41 ----- Eye dam. 1_ H318

## PART 4: FIRST AID MEASURES

### 4.1 DESCRIPTION OF FIRST AID MEASURES

Inhalation	Supply fresh air, consult doctor in case of complaints.
Skin contact	Generally the product does not irritate the skin.
Eye contact	Rinse opened eye for several minutes under running water.
Ingestion	If symptoms persist consult doctor.

### 4.2 MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED

Symptoms relating to use	No further relevant information available.
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### 4.3 INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED

General information	No further relevant information available.
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## PART 5: FIRE-FIGHTING MEASURES

### 5.1 EXTINGUISHING MEDIA

Suitable extinguishing media	Carbon dioxide. Powder. Water spray. Fight fires with water spray or alcohol resistant foam.
Unsuitable extinguishing media	Water with full jet.

### 5.2 SPECIAL HAZARDS ARISING FROM THE SUBSTANCE OR MIXTURE

Flammable class	Not applicable.
Hazardous combustion products	Not applicable.

### 5.3 ADVICE FOR FIRE-FIGHTERS

Protection against fire	No special measures required.
Special procedures	No special measures required.

## PART 6: ACCIDENTAL RELEASE MEASURES

### 6.1 PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES

For emergency responders	Wear protective equipment. Keep unprotected persons away.
Technical measures	Not applicable.
Special precautions	Not applicable.

### 6.2. ENVIRONMENTAL PRECAUTIONS

Environmental precautions	Do not allow to enter sewers/surface or ground water.
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### 6.3. METHODS AND MATERIAL FOR CONTAINMENT AND CLEANING UP

Clean up methods	Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust)
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### 6.4. REFERENCE TO OTHER SECTIONS

See part 7: Handling and storage  
 See part 8: Exposure controls/personal protection  
 See part 13: Disposal considerations

## PART 7: HANDLING AND STORAGE

### 7.1 PRECAUTIONS FOR SAFE HANDLING

Technical protective measures	Keep ignition sources away. Protect against electrostatic charges.
Handling	Keep ignition sources away – Do not smoke. Protect against electrostatic charges.
Special precautions	No special precautions are necessary if used correctly.

### 7.2. CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES

Storage	Keep container tightly closed. Keep only in the original container in a cool, well ventilated place.
Storage – away from	Not applicable.

### 7.3. SPECIFIC END USE(S)

Specific end use(s):	None.
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## PART 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

## 8.1 CONTROL PARAMETERS

## INGREDIENTS WITH LIMIT VALUES THAT REQUIRE MONITORING AT THE WORKPLACE: 123-86-4 N-BUTYL ACETATE

Short term value: 966 mg/m<sup>3</sup>, 200ppmLong term value: 724 mg/m<sup>3</sup>, 150ppm

## 8.2 EXPOSURE CONTROLS

Personal protection



Personal protection

*Respiratory protection*

Not required.

*Hand protection*

Solvent resistant gloves.

*Skin protection*

Not required.

*Eye protection*

Wear chemical goggles or safety glasses

*Others*

Wash hands before breaks and at end of work.



## PART 9: PHYSICAL AND CHEMICAL PROPERTIES

## 9.1 INFORMATION ON BASIC PHYSICAL AND CHEMICAL PROPERTIES

Physical state	Liquid.
Color	Light yellow.
Odor	Characteristic.
Odor threshold	No data available.
pH value	No data available.
Melting point/freezing point	No data available.
Decomposition point (°C)	No data available.
Critical temperature (°C)	No data available.
Ignition temperature (°C)	370
Flammability (solid, gas)	No data available.
Flash point (°C)	24
Initial boiling point (°C)	185
Final boiling point (°C)	No data available.
Evaporation rate	No data available.
Acid/alkali reserve (g NaOH/100g)	No data available.
Explosion limits - lower (%)	1,2 Vol
Explosion limits - upper (%)	7,5 Vol
Vapour pressure at 20°C hPa	10,7
Vapour density	No data available.
Density (g/cm <sup>3</sup> )	0,98
Solubility in water (% weight)	No data available.
Solubility in water	Insoluble.
Log Pow octanol / water at 20°C	No data available.
Solubility in organic solvents	Miscible with many organic solvents.
Viscosity at 20°C (mPa.s)	16 (DIN 53211/4)
Explosive properties	Product is not explosive. However , formation of explosive air/vapour mixtures are possible.
Oxidizing properties	No data available.
Self-igniting	Product is not self-igniting.
Solvent content: VOC (EC)	VOC limit value (cat A/h) 750 g/L 2010. Product contains 670g/L

## 9.2 OTHER INFORMATION

No further information available.

## PART 10: STABILITY AND REACTIVITY

### 10.1. REACTIVITY

Reactivity Not established.

### 10.2. CHEMICAL STABILITY

Chemical stability Stable under recommended storage conditions.

### 10.3. POSSIBILITY OF HAZARDOUS REACTIONS

Hazardous reactions No dangerous reactions known.

### 10.4. CONDITIONS TO AVOID

Conditions to avoid No decomposition if used according to specifications.

### 10.5. INCOMPATIBLE MATERIALS

Materials to avoid No further relevant information available.

### 10.6. HAZARDOUS DECOMPOSITION PRODUCTS

Hazardous decompositions products Hazardous decompositions products may be released during prolonged heating like smokes, carbon monoxide and dioxides.

## PART 11: TOXICOLOGICAL INFORMATION

### 11.1 INFORMATION ON TOXICOLOGICAL EFFECTS

Acute toxicity	Not established.
Corrosion	Not established.
Irritation	Repeated or prolonged contact with the product may lead to removal of natural fats from the skin resulting in non-allergic contact dermatitis an absorption through the skin. Splashes in the eyes may cause irritation and reversible local damage.
Sensitization	Not established.
Mutagenicity	Not established.
Carcinogenicity	Not established.
Toxic for reproduction	Not established.
STOT-single exposure	Not established.
STOT-repeated exposure	Not established.
Aspiration hazard	Not established.

## PART 12: ECOLOGICAL INFORMATION

### 12.1. TOXICITY

Toxicity information	No data available.
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### 12.2. PERSISTENCE – DEGRADABILITY

Persistence – degradability	No data available.
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### 12.3. BIOACCUMULATIVE POTENTIAL

Bioaccumulative potential	No data available.
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### 12.4. MOBILITY IN SOIL

Mobility in soil	No data available.
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### 12.5. RESULTS OF PBT AND VPVB ASSESSMENT

Results of PBT and vPvB assessment	Not applicable.
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### 12.6. OTHER ADVERSE EFFECTS

Environmental precautions	No data available.
General notes	Water hazard class 3 (German Regulation) (Self-assessment): extremely hazardous for water. Do not allow product to reach ground water, water course or sewage system, even in small quantities. Danger to drinking water if even extremely small quantities leak into the ground.


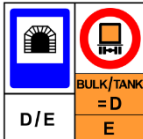
## PART 13: DISPOSAL CONSIDERATIONS

## 13.1. WASTE TREATMENT METHODS

General	Must not be disposed together with household garbage. Do not allow product to reach sewage system. Dispose of this material and its container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation. Avoid release to the environment.
Special precautions	Not applicable.

## PART 14: TRANSPORT INFORMATION

## 14.1 LAND TRANSPORT (ADR – RID)

Proper shipping name	RESIN SOLUTION
UN N°	1866
H.I. nr	30
ADR - Class	3
Labelling -Transport	
ADR - Classification code	F1
ADR - Group	III
ADR - Limited quantity	5L
ADR - Tunnel code	D/E
	

**14.2. SEA TRANSPORT (IMDG) (ENGLISH ONLY)**

Proper shipping name	RESIN SOLUTION
Un N°	1866
IMO-IMDG - Class or division	3
IMO-IMDG - Packing group	III
IMO-IMDG - Packing instructions	P001
IMO-IMDG - limited quantities	5L
IMO-IMDG - Marine pollution	No
EMS-Nr	F-E-S-E

**14.3 AIR TRANSPORT (ICAO-IATA) (ENGLISH ONLY)**

Proper Shipping Name	RESIN SOLUTION
UN N°	1866
IATA - Class or division	3
IATA - Packing group	III
IATA - Passenger and Cargo Aircraft	ALLOWED
<i>Packing instruction</i>	309
<i>Maximum Quantity/Packing</i>	60L
IATA – Cargo only	ALLOWED
<i>Packing instruction</i>	310
<i>Maximum Quantity/Packing</i>	220L

**PART 15: REGULATORY INFORMATION****15.1. SAFETY, HEALTH AND ENVIRONMENTAL REGULATIONS/LEGISLATION SPECIFIC FOR THE SUBSTANCE OR MIXTURE**

Safety, health and environmental regulations/legislation specific for the substance or mixture	Ensure all national/local regulations are observed.
REACH Restrictions - Annex XVII	The components of this product are not subject to restrictions.
REACH Authorization - Annex XIV	The components of this product are not subject to authorization.

**15.2. CHEMICAL SAFETY ASSESSMENT**

Chemical Safety Assessment	It has not been carried out.
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## PART 16: OTHER INFORMATION

Revision	Revision – See: *
Abbreviations and acronyms	<p>PBT: persistent, bioaccumulative and toxic</p> <p>vPvB: very persistent and very bioaccumulative</p> <p>RID: Règlement International concernant le transport des marchandises Dangereuses par chemin de fer (Regulations Concerning the international Transport of Dangerous Goods by Rail)</p> <p>ADR: Accord européen sur le transport des marchandises Dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)</p> <p>IMDG: International Maritime Code for Dangerous Goods</p> <p>GHS: Globally Harmonized System of Classification and Labelling of Chemicals</p> <p>VOC: Volatile Organic Compounds (USA, EU)</p>
Sources of key data used	REGULATION (EC) N°1272/2008 OF THE EUROPEAN PARLIAMANT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending, and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) N° 1907/2006.
List of relevant R phrases in part 3	<p>R10: Flammable.</p> <p>R41: Risk of serious damage to eyes</p> <p>R66: Repeated exposure may cause skin dryness or cracking.</p> <p>R67: Vapours may cause drowsiness and dizziness.</p>
List of full text of H-statements in part 3	<p>H226: Flammable liquid and vapours.</p> <p>H318: Causes serious eye damage.</p> <p>H336: May cause drowsiness or dizziness.</p>
Further information	None.