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**MATERIAL SAFETY DATA SHEET**


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TIMEBOND

Revision Date: 18/03/2008

**1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND THE COMPANY / UNDERTAKING**

- 1.1. PRODUCTS IDENTIFICATION:** Timebond
- 1.2. USE OF SUBSTANCE:** Information not supplied.
- 1.3. COMPANY:** Bostik Ltd  
Common Road  
Stafford  
Staffordshire  
ST16 3EH  
Telephone Number: 01785 272700  
e-mail: sds.uk@bostik.com
- 1.4. EMERGENCY TELEPHONE:** 01785 272650 (24 hour)

**2. HAZARDS IDENTIFICATION**

Highly flammable. Vapours may cause drowsiness and dizziness. Irritating to eyes and skin. Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

CLASSIFICATION Xi;R36/38. F;R11. N;R50/53. R67.

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

Name	EC No	CAS No	Content	Classification
BUTANONE	201-159-0	78-93-3	5-10%	F;R11 Xi;R36 R66 R67
CYCLOHEXANE	203-806-2	110-82-7	10-30%	F;R11 Xn;R65 Xi;R38 R67 N;R50/53
CYCLOPENTANE	206-016-6	287-92-3	1-5%	F;R11 R52/53
ETHYL ACETATE	205-500-4	141-78-6	10-30%	F;R11 Xi;R36 R66 R67
FORMALDEHYDE ...%	200-001-8	50-00-0	<1%	Carc3;R40 T;R23/24/25 C;R34 R43
HEPTANE AND ISOMERS			5-10%	Xn;R65. Xi;R38. F;R11. N;R50/53. R67
HEXANE, MIXTURE OF ISOMERS			5-10%	Xn;R65. Xi;R38. F;R11. N;R51/53. R67.
HEXANE-norm	203-777-6	110-54-3	<1%	F;R11 Repr3;R62 Xn;R65,R48/20 Xi;R38, R67 N;R51/53
METHYLCYCLOHEXANE	203-624-3	108-87-2	1-5%	F;R11 Xn;R65 Xi;R38 R67 N;R51/53
N-HEXANE	203-777-6	110-54-3	<1%	F;R11 Repr3;R62 Xn;R65,R48/20 Xi;R38, R67 N;R51/53

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PENTANE	203-692-4	109-66-0	<1%	F+;R12 Xn;R65 R66 R67 N;R51/53
PROPAN-2-OL	200-661-7	67-63-0	<1%	F;R11 Xi;R36 R67
ROSIN	232-475-7	8050-09-7	<1%	R43

The Full Text for all R-Phrases are Displayed in Section 16.

**4. FIRST-AID MEASURES****Inhalation:**

Remove victim immediately from source of exposure. Move the exposed person to fresh air at once. Get medical attention if any discomfort continues.

**Eye Contact:**

Rinse the eye with water immediately. Continue to rinse for at least 15 minutes and get medical attention.

**Skin Contact:**

Promptly wash contaminated skin with soap or mild detergent and water. Promptly remove clothing if soaked through and wash as above. Get medical attention if irritation persists after washing.

**Ingestion:**

Do not induce vomiting. If vomiting occurs, the head should be kept low so that stomach vomit doesn't enter the lungs. Get medical attention..

**5. FIRE-FIGHTING MEASURES****Extinguishing Media:**

Fire can be extinguished using: Foam, carbon dioxide or dry powder.

**Special Fire Fighting Procedures:**

Use water SPRAY only to cool containers! Do not put water on leaked material. NOTE! Use air-supplied respirators to protect against gases/fumes.

**Unusual Fire & Explosion Hazards:**

Generates massive smoke during fire. Vapours are heavier than air and may spread near ground to sources of ignition. May travel considerable distance to source of ignition and flash back.

**Specific Hazards:**

Toxic gases/vapours/fumes of Carbon dioxide (CO<sub>2</sub>). Carbon monoxide (CO).

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**6. ACCIDENTAL RELEASE MEASURES**
**Spill Clean up Methods:**

Clean-up personnel should use respiratory and/or liquid contact protection. Stop leak if possible without risk. DO NOT touch spilled material! Extinguish all ignition sources. Avoid sparks, flames, heat and smoking. Ventilate. Wash thoroughly after dealing with a spillage. Containers with collected spillage must be properly labelled with correct contents and hazard symbol.

**7. HANDLING AND STORAGE**
**Usage Precautions:**

Keep away from heat, sparks and open flame. Avoid spilling, skin and eye contact. Ventilate well, avoid breathing vapours. Use approved respirator if air contamination is above accepted level.

**Storage Precautions:**

Flammable/combustible - Keep away from oxidisers, heat and flames. Ground container and transfer equipment to eliminate static electric sparks. Store at moderate temperatures in dry, well ventilated area.

**Storage Class:**

Flammable liquid storage.

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

Name	Std	LT - ppm	LT - mg/m <sup>3</sup>	ST - ppm	ST - mg/m <sup>3</sup>
BUTANONE	WEL	200 ppm(Sk)	600 - mg/m <sup>3</sup> (Sk)	300 ppm(Sk)	899 - mg/m <sup>3</sup> (Sk)
CYCLOHEXANE	WEL	100 ppm	350 - mg/m <sup>3</sup>	300 ppm	1050 - mg/m <sup>3</sup>
ETHYL ACETATE	WEL	200 ppm		400 ppm	
FORMALDEHYDE ...%	WEL	2 ppm	2.5 - mg/m <sup>3</sup>	2 ppm	2.5 - mg/m <sup>3</sup>
HEXANE-norm	WEL	20 ppm	72 - mg/m <sup>3</sup>		
N-HEXANE	WEL	20 ppm	72 - mg/m <sup>3</sup>		
PENTANE	WEL	600 ppm	1800 - mg/m <sup>3</sup>		
PROPAN-2-OL	WEL	400 ppm	999 - mg/m <sup>3</sup>	500 ppm	1250 - mg/m <sup>3</sup>

**INGREDIENT COMMENTS:**

WEL = Workplace Exposure Limits

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**PROTECTIVE EQUIPMENT:****Engineering Measures:**

Explosion-proof general and local exhaust ventilation.

**Respiratory Equipment:**

Respiratory protection must be used if air contamination exceeds acceptable level. Wear mask supplied with: Gas cartridge suitable for organic substances.

**Hand Protection:**

Protective gloves must be used if there is a risk of direct contact or splash. Use protective gloves made of: Nitrile. Use thin cotton gloves inside the rubber gloves if allergy risk.

**Eye Protection:**

Wear splash-proof eye goggles to prevent any possibility of eye contact.

**Other Protection:**

Wear appropriate clothing to prevent repeated or prolonged skin contact.

**Hygiene Measures:**

Wash promptly if skin becomes contaminated. Wash at the end of each work shift and before eating, smoking and using the toilet. Use appropriate skin cream to prevent drying of skin.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

<b>Appearance:</b>	Liquid
<b>Colour:</b>	Light (or pale) Brown
<b>Odour:</b>	Characteristic

**10. STABILITY AND REACTIVITY****Stability:**

Avoid: Heat, sparks, flames.

**11. TOXICOLOGICAL INFORMATION****Inhalation:**

Drowsiness, dizziness, disorientation, vertigo.

**Skin Contact:**

Irritating to skin. Prolonged contact may cause redness, irritation and dry skin.

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**Eye Contact:**

May cause temporary eye irritation.

**Ingestion:**

May cause discomfort if swallowed.

**Health Warnings:**

Gas or vapour in high concentrations may irritate respiratory system.

**12. ECOLOGICAL INFORMATION**

**Ecotoxicity:**

The product contains a substance which is very toxic to aquatic organisms and which may cause long term adverse effects in the aquatic environment.

**13. DISPOSAL CONSIDERATIONS**

**General Information:**

Waste to be treated as controlled waste. Disposal to licensed waste disposal site in accordance with local Waste Disposal Authority.

**Disposal Methods:**

Dispose of waste and residues in accordance with local authority requirements. Recover and reclaim or recycle, if practical.

**14. TRANSPORT INFORMATION**



UK ROAD CLASS:	3	UK ROAD PACK GR:	III
PROPER SHIPPING NAME:	ADHESIVES	ADR CLASS:	Class 3: Flammable Liquids
UN NO. ROAD:	1133	HAZARD No (ADR):	30
ADR CLASS NO:	3	HAZCHEM CODE:	3YE
ADR PACK GROUP:	III	RID CLASS NO:	3
ADR LABEL NO:	3	UN No. SEA:	1133
CEFIC TEC(R) NO:	30GF1-III, 30GF1-sp	IMDG PACK GR:	III
RID PACK GROUP:	III	MARINE POLLUTANT:	No
IMDG CLASS:	3	AIR CLASS:	3
EMS:	F-E, S-D		
UN No. AIR:	1133		
AIR PACK GR:	III		

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**15. REGULATORY INFORMATION****Labelling:**

Irritant



Highly Flammable



Dangerous for the environment

**Risk Phrases:**

- R11** Highly flammable.  
**R36/38** Irritating to eyes, respiratory system and skin.  
**R50/53** Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.  
**R67** Vapours may cause drowsiness and dizziness.

**SAFETY PHRASES**

- S2** Keep out of the reach of children  
**S9** Keep container in a well-ventilated place.  
**S16** Keep away from sources of ignition - No smoking.  
**S26** In case of contact with eyes, rinse immediately with plenty of water and seek medical advice  
**S29/56** Do not empty into drains, dispose of this material and its container at hazardous or special waste collection point.  
**S36/37/39** Wear suitable protective clothing, gloves and eye/face protection.  
**S46** If swallowed, seek medical advice immediately and show this container or label.  
**S51** Use only in well-ventilated areas.  
**S61** Avoid release to the environment. Refer to special instructions/safety data sheets  
**P14** Contains ROSIN. May produce an allergic reaction.

**Statutory Instruments:**

Chemicals (Hazard Information and Packaging) Regulations. Control of Substances Hazardous to Health.

**Approved Code of Practice:**

Classification and Labelling of Substances and Preparations Dangerous for Supply

**Guidance Notes:**

Workplace Exposure Limits EH40. Introduction to Local Exhaust Ventilation HS(G)37. CHIP for everyone HSG(108)..

**16. OTHER INFORMATION****GENERAL INFORMATION:**

This product should be used as directed by Bostik Ltd. For further information consult the product data sheet or contact Technical Services.

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**INFORMATION SOURCES:**

This safety data sheet was compiled using current safety information supplied by distributor of raw materials.

**REVISION COMMENTS:**

This safety data sheet supersedes all previous issues and users are cautioned to ensure that it is current. Destroy all previous data sheets and if in doubt contact Bostik Limited.

**ISSUED BY:**

Approved LJ

**REVISION DATE:** 18/03/2008**REV. NO./REPL. SDS GENERATED:** 4**DATE:** January 2006**RISK PHRASES IN FULL:**

<b>R11</b>	Highly flammable.
<b>R12</b>	Extremely flammable.
<b>R23/24/25</b>	Toxic by inhalation, in contact with skin and if swallowed.
<b>R34</b>	Causes burns.
<b>R36</b>	Irritating to eyes.
<b>R37</b>	Irritating to respiratory system.
<b>R38</b>	Irritating to skin.
<b>R40</b>	Limited evidence of a carcinogenic effect.
<b>R43</b>	May cause sensitisation by skin contact.
<b>R48/20</b>	Harmful: danger of serious damage to health by prolonged exposure through inhalation.
<b>R50/53</b>	Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
<b>R51/53</b>	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
<b>R52/53</b>	Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
<b>R62</b>	Possible risk of impaired fertility.
<b>R65</b>	Harmful: may cause lung damage if swallowed.
<b>R66</b>	Repeated exposure may cause skin dryness or cracking.
<b>R67</b>	Vapours may cause drowsiness and dizziness.

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