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**MATERIAL SAFETY DATA SHEET**

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**TENSOL 12**Revision Date: 00/01/2008

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

- 1.1 PRODUCTS IDENTIFICATION: TENSOL 12**
- 1.2 USE OF SUBSTANCE:** Information not supplied
- 1.3. COMPANY:** Bostik Ltd  
Common Road  
Stafford  
ST16 3EH  
Telephone Number: 01785 272700  
e-mail: sds.uk@bostik.com
- 1.4. EMERGENCY TELEPHONE:** 01785 272650 (24 hr)

**2. HAZARDS IDENTIFICATION**

In use, may form flammable/explosive vapour-air mixture. Irritating to respiratory system and skin. May cause sensitisation by skin contact.

Limited evidence of a carcinogenic effect.

CLASSIFICATION Carc 3;R40. Xi;R37/38. R43. R18.

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

Substance is a mixture with following general composition:

Name	EC No:	CAS No:	Content	Classification
2-PHENOXYETHANOL	204-589-7	122-99-6	1-5%	Xn;R22 Xi;R36
DICHLOROMETHANE	200-839-9	75-09-2	30-60%	Carc3;R40
METHYL METHACRYLATE	201-297-1	80-62-6	30-60%	F;R11 R43 Xi;R37/38

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.

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**MATERIAL SAFETY DATA SHEET**

---

**TENSOL 12**Revision Date: 00/01/2008

---

**Skin Contact:**

Promptly flush contaminated skin with water. Promptly remove clothing if soaked through and flush the skin with water. Get medical attention if irritation persists after washing.

**Ingestion:**

DO NOT induce vomiting. Get medical attention immediately.

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

Foam, carbon dioxide or dry powder.

**Unusual Fire & Explosion Hazards:**

Vapours are heavier than air and may spread near ground to sources of ignition. Solvent vapours may form explosive mixtures with air.

**Specific Hazards:**

Fire or high temperatures create: Toxic gases/vapours/fumes of Carbon dioxide (CO<sub>2</sub>). Carbon monoxide (CO).

**Protective Measures in Fire:**

Wear self contained breathing apparatus.

**6. ACCIDENTAL RELEASE MEASURES****Personal Precautions:**

Avoid skin and eye contact. Avoid breathing vapour. Wear personal protective equipment.

**Environmental Precautions:**

Prevent entry into drains and water courses.

**Methods of Cleaning Up:**

Absorb onto sand, earth or absorbent granules. Pick up with non-sparking tools and place into metal containers with sealable lids. Mark containers with details of hazards and store in designated area ready for disposal.

**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:**

Store at moderate temperatures in dry, well ventilated area.

**MATERIAL SAFETY DATA SHEET**

**TENSOL 12**

Revision Date: 00/01/2008

**Storage Class:**

Flammable liquid storage.

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

**Exposure Limits:**

Name	Std	Lt - ppm	LT- mg/m <sup>3</sup>	ST - ppm	ST- mg/m <sup>3</sup>
DICHLOROMETHANE	WEL	100 ppm (Sk)	350 mg/m <sup>3</sup> (Sk)	300 ppm (Sk)	1060 mg/m <sup>3</sup> (Sk)
METHYL METHACRYLATE	WEL	50 ppm	208 mg/m <sup>3</sup>	100 ppm	416 mg/m <sup>3</sup>

**INGREDIENT COMMENTS**

WEL = Workplace Exposure Limits

**PROTECTIVE EQUIPMENT:**



**Process Conditions:**

Use engineering controls to reduce air contamination to permissible exposure level.

**Engineering Measures:**

Provide adequate ventilation.

**Respiratory Equipment:**

Wear suitable respiratory protection.

**Hand Protection:**

Protective gloves should be used if there is a risk of direct contact or splash.

**Eye Protection:**

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

**Other Protection:**

Wear suitable protective clothing as protection against splashing or contamination.

**Hygiene Measures:**

Use appropriate skin cream to prevent drying of skin. Wash at the end of each work shift and before eating, smoking and using the toilet. When using do not eat, drink or smoke.

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**MATERIAL SAFETY DATA SHEET**

---

**TENSOL 12**Revision Date: 00/01/2008

---

**9. PHYSICAL AND CHEMICAL PROPERTIES**

<b>Appearance:</b>	Liquid
<b>Color:</b>	Clear
<b>Odour:</b>	Characteristic
<b>Vapour Density (air=1):</b>	3.45
<b>Vapour Pressure:</b>	38.5
<b>Flash Point (°C):</b>	> 61 CC (Closed Cup)

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

Stable under normal temperature conditions.

**Conditions to Avoid:**

Avoid exposure to high temperatures or direct sunlight.

**Materials to Avoid:**

Strong acids. Oxidising agents.

**Hazardous Decomposition Products:**

None under normal conditions.

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

Irritating to respiratory system.

**Skin Contact:**

Prolonged and frequent contact may cause redness and irritation. May cause sensitisation by skin contact.

**Eye Contact:**

Particles in the eyes may cause irritation and smarting.

**ROUTE OF ENTRY:**

Inhalation. Skin absorption. Ingestion.

**12. ECOLOGICAL INFORMATION****ECOTOXICITY:**

Not regarded as dangerous for the environment. However, contamination of the aquatic or terrestrial environments should be avoided

**MATERIAL SAFETY DATA SHEET**

**TENSOL 12**

Revision Date: 00/01/2008

**13. DISPOSAL CONSIDERATIONS**

**GENERAL INFORMATION:**

This material is classified as special waste as defined by Special Waste Regulations 1996 and must be disposed of by an authorized contractor.

**14. TRANSPORT INFORMATION**



UK ROAD CLASS:	6.1		
PROPER SHIPPING NAME:	DICHLOROMETHANE		
UN NO. ROAD:	1593	UK ROAD PACK GR:	III
ADR CLASS NO:	6.1	ADR CLASS:	Class 6.1: Toxic substances
ADR PACK GROUP:	III	HAZARD No ADR:	60
ADR LABEL NO:	6.1	HAZCHEM CODE:	2ZY
CEFIC TEC(R) NO:	61GT1-III	RID CLASS NO:	6.1
RID PACK GROUP:	III	UN No. SEA:	1593
IMDG CLASS:	6.1	IMDG PAGE NO:	6.1
IMDG PACK GR:	III	EMS:	F-A, S-A
MARINE POLLUTANT:	No	UN No. AIR:	1593
AIR CLASS:	6.1	AIR PACK GR:	III

**15. REGULATORY INFORMATION**

**Labelling:**



Harmful

**Contains:**

DICHLOROMETHANE  
METHYL METHACRYLATE

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**MATERIAL SAFETY DATA SHEET**

---

**TENSOL 12**Revision Date: 00/01/2008

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**Risk Phases:**

- R18** In use, may form flammable/explosive vapour-air mixture.  
**R37/38** Irritating to respiratory system and skin.  
**R40** Limited evidence of a carcinogenic effect.  
**R43** May cause sensitisation by skin contact.

**Safety Phases:**

- S13** Keep away from food, drink and animal feeding stuffs.  
**S23** Do not breathe vapour/spray.  
**S26** In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.  
**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.  
**S56** Dispose of this material and its container to hazardous or special waste collection point.

**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. Safety Data Sheets for Substances and Preparations.

**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.

**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**

January 2008

**REV. NO./REPL. SDS GENERATED**

8

**DATE**

June 2003

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**MATERIAL SAFETY DATA SHEET**

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**TENSOL 12**Revision Date: 00/01/2008

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**RISK PHRASES IN FULL:**

<b>R11</b>	Highly flammable.
<b>R22</b>	Harmful if swallowed.
<b>R36</b>	Irritating to eyes.
<b>R37/38</b>	Irritating to respiratory system and skin.
<b>R40</b>	Limited evidence of a carcinogenic effect.
<b>R43</b>	May cause sensitisation by skin contact.

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