



SAFETY DATA SHEET TENSOL 12

According to Regulation (EC) No 1907/2006

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

1.1. Product identifier

Product name TENSOL 12
Product No. 620803

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

1.3. Details of the supplier of the safety data sheet

Supplier BOSTIK LIMITED
COMMON ROAD
STAFFORD
STAFFORDSHIRE
ST16 3EH
+44 1785 272625
sds.uk@bostik.com

1.4. Emergency telephone number

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

Classification (EC 1272/2008)

Physical and Chemical Hazards EUH018
Human health Skin Irrit. 2 - H315; Skin Sens. 1 - H317; Carc. 2 - H351; STOT SE 3 - H335
Environment Not classified.

Classification (1999/45/EEC) Carc. Cat. 3; R40. Xi; R37/38. R43. R18.

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

2.2. Label elements

Contains DICHLOROMETHANE
METHYL METHACRYLATE

Label In Accordance With (EC) No. 1272/2008



Signal Word Warning

Hazard Statements

H315 Causes skin irritation.
H317 May cause an allergic skin reaction.
H335 May cause respiratory irritation.
H351 Suspected of causing cancer.

Precautionary Statements

P102 Keep out of reach of children.
P271 Use only outdoors or in a well-ventilated area.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P261 Avoid breathing vapour/spray.

TENSOL 12

P333+313	If skin irritation or rash occurs: Get medical advice/attention.
P403+233	Store in a well-ventilated place. Keep container tightly closed.
P403+235	Store in a well-ventilated place. Keep cool.
Supplementary Precautionary Statements	
P201	Obtain special instructions before use.
P202	Do not handle until all safety precautions have been read and understood.
P272	Contaminated work clothing should not be allowed out of the workplace.
P281	Use personal protective equipment as required.
P264	Wash contaminated skin thoroughly after handling.
P321	Specific treatment (see medical advice on this label).
P302+352	IF ON SKIN: Wash with plenty of soap and water.
P304+340	IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P308+313	IF exposed or concerned: Get medical advice/attention.
P312	Call a POISON CENTER or doctor/physician if you feel unwell.
P362	Take off contaminated clothing and wash before reuse.
P363	Wash contaminated clothing before reuse.
P501	Dispose of contents/container to ...
Supplemental label information	
EUH018	In use may form flammable/explosive vapour-air mixture.
RCH002	Restricted to professional users.

2.3. Other hazards

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.2. Mixtures

2-PHENOXYETHANOL	1-5%
CAS-No.: 122-99-6	EC No.: 204-589-7
Classification (EC 1272/2008) Acute Tox. 4 - H302 Eye Irrit. 2 - H319	Classification (67/548/EEC) Xn;R22 Xi;R36
DICHLOROMETHANE	30-60%
CAS-No.: 75-09-2	EC No.: 200-838-9
Classification (EC 1272/2008) Carc. 2 - H351	Classification (67/548/EEC) Carc. Cat. 3;R40
METHYL METHACRYLATE	30-60%
CAS-No.: 80-62-6	EC No.: 201-297-1
Classification (EC 1272/2008) Flam. Liq. 2 - H225 Skin Irrit. 2 - H315 Skin Sens. 1 - H317 STOT SE 3 - H335	Classification (67/548/EEC) F;R11 R43 Xi;R37/38

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

SECTION 4: FIRST AID MEASURES

4.1. Description of first aid measures

TENSOL 12

Inhalation

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

Ingestion

DO NOT induce vomiting. Get medical attention immediately.

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.

Eye contact

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

4.2. Most important symptoms and effects, both acute and delayed

4.3. Indication of any immediate medical attention and special treatment needed

SECTION 5: FIREFIGHTING MEASURES

5.1. Extinguishing media

Extinguishing media

Foam, carbon dioxide or dry powder.

5.2. Special hazards arising from the substance or mixture

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 (CO₂). Carbon monoxide (CO).

5.3. Advice for firefighters

Protective equipment for fire-fighters

Wear self contained breathing apparatus

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

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

6.2. Environmental precautions

Prevent entry into drains and water courses.

6.3. Methods and material for containment and 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.

6.4. Reference to other sections

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for safe handling

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.

7.2. Conditions for safe storage, including any incompatibilities

Store at moderate temperatures in dry, well ventilated area.

Storage Class

Flammable liquid storage.

7.3. Specific end use(s)

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

TENSOL 12

Name	STD	TWA - 8 Hrs		STEL - 15 Min		Notes
DICHLOROMETHANE	WEL	100 ppm(Sk)	350 mg/m3(Sk)	300 ppm(Sk)	1060 mg/m3(Sk)	
METHYL METHACRYLATE	WEL	50 ppm	208 mg/m3	100 ppm	416 mg/m3	

WEL = Workplace Exposure Limit.

Ingredient Comments

WEL = Workplace Exposure Limits

8.2. Exposure controls

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 hands at the end of each work shift and before eating, smoking and using the toilet. When using do not eat, drink or smoke.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Appearance	Liquid
Colour	Clear
Odour	Characteristic.
Vapour density (air=1)	3.45
Vapour pressure	38.5
Flash point (°C)	> 61 CC (Closed cup).

9.2. Other information

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity

10.2. Chemical stability

Stable under normal temperature conditions.

10.3. Possibility of hazardous reactions

10.4. Conditions to avoid

Avoid exposure to high temperatures or direct sunlight.

10.5. Incompatible materials

TENSOL 12

Materials To Avoid

Strong acids. Oxidising agents.

10.6. Hazardous decomposition products

None under normal conditions.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

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.

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity

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

12.1. Toxicity

12.2. Persistence and degradability

12.3. Bioaccumulative potential

12.4. Mobility in soil

12.5. Results of PBT and vPvB assessment

12.6. Other adverse effects

SECTION 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 authorised contractor

13.1. Waste treatment methods

SECTION 14: TRANSPORT INFORMATION

14.1. UN number

UN No. (ADR/RID/ADN) 1593

UN No. (IMDG) 1593

UN No. (ICAO) 1593

14.2. UN proper shipping name

Proper Shipping Name DICHLOROMETHANE

14.3. Transport hazard class(es)

ADR/RID/ADN Class 6.1

TENSOL 12

ADR/RID/ADN Class	Class 6.1:Toxic substances.
ADR Label No.	6.1
IMDG Class	6.1
ICAO Class/Division	6.1
Transport Labels	



14.4. Packing group

ADR/RID/ADN Packing group	III
IMDG Packing group	III
ICAO Packing group	III

14.5. Environmental hazards

Environmentally Hazardous Substance/Marine Pollutant
No.

14.6. Special precautions for user

EMS	F-A, S-A
Emergency Action Code	2Z
Hazard No. (ADR)	60
Tunnel Restriction Code	(E)

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

SECTION 15: REGULATORY INFORMATION

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

Statutory Instruments

The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (S.I 2009 No. 716). 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).

15.2. Chemical Safety Assessment

SECTION 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

NOTE: Lines within the margin indicate significant changes from the previous revision. 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 EC
Revision Date	NOV 2014
Revision	12

TENSOL 12

Date June 2003

Risk Phrases In Full

R22	Harmful if swallowed.
R11	Highly flammable
R18	In use, may form flammable/explosive vapour-air mixture.
R36	Irritating to eyes.
R37/38	Irritating to respiratory system and skin.
R40	Limited evidence of a carcinogenic effect.
R43	May cause sensitisation by skin contact.

Hazard Statements In Full

EUH018	In use may form flammable/explosive vapour-air mixture.
H225	Highly flammable liquid and vapour.
H302	Harmful if swallowed.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H335	May cause respiratory irritation.
H351	Suspected of causing cancer.