



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. |

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| | | |
|--|----------|--|
| | 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

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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

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| Name | STD | TWA - 8 Hrs | | STEL - 15 Min | | Notes |
|---------------------|-----|-------------|---------------|---------------|----------------|-------|
| | | ppm(Sk) | mg/m3(Sk) | ppm(Sk) | mg/m3(Sk) | |
| 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

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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

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| | |
|---------------------|-----------------------------|
| 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. |