



**SAFETY DATA SHEET
PHILLYMASTIC TG-7B PASTE HARDENER**

1. Identification

Product identifier

Product name PHILLYMASTIC TG-7B PASTE HARDENER

Product number Y0014

Recommended use of the chemical and restrictions on use

Application Hardener.

Details of the supplier of the safety data sheet

Supplier

ITW Performance Polymers
Bay 150
Shannon Industrial Estate
Co. Clare
Ireland
V14 DF82
353(61)771500
353(61)471285
mail@itwpp.com

Emergency telephone number

Emergency telephone +44(0)1235 239 670 (24h)

2. Hazard(s) identification

Classification of the substance or mixture

Physical hazards Not Classified

Health hazards Skin Corr. 1B - H314 Eye Dam. 1 - H318 Skin Sens. 1 - H317

Environmental hazards Aquatic Acute 3 - H402 Aquatic Chronic 3 - H412

Label elements

Pictogram



Signal word

Danger

Hazard statements

H314 Causes severe skin burns and eye damage.
H317 May cause an allergic skin reaction.
H412 Harmful to aquatic life with long lasting effects.

PHILLYMASTIC TG-7B PASTE HARDENER

Precautionary statements

P260 Do not breathe vapor/ spray.
 P261 Avoid breathing vapor/ spray.
 P264 Wash contaminated skin thoroughly after handling.
 P272 Contaminated work clothing must not be allowed out of the workplace.
 P273 Avoid release to the environment.
 P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.
 P301+P330+P331 If swallowed: Rinse mouth. Do NOT induce vomiting.
 P302+P352 If on skin: Wash with plenty of water.
 P303+P361+P353 If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/ shower.
 P304+P340 If inhaled: Remove person to fresh air and keep comfortable for breathing.
 P305+P351+P338 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 P310 Immediately call a poison center/ doctor.
 P321 Specific treatment (see medical advice on this label).
 P333+P313 If skin irritation or rash occurs: Get medical advice/ attention.
 P362+P364 Take off contaminated clothing and wash it before reuse.
 P363 Wash contaminated clothing before reuse.
 P405 Store locked up.
 P501 Dispose of contents/ container in accordance with national regulations.

Contains

TRIETHYLENETETRAMINE, Terpeneol, p-mentha-1,4(8)-diene

Other hazards

This product does not contain any substances classified as PBT or vPvB.

3. Composition/information on ingredients

Mixtures

| | |
|--|---------------|
| TRIETHYLENETETRAMINE CAS number: 112-24-3 | 10-30% |
| Classification Acute Tox. 4 - H312 Skin Corr. 1B - H314 Eye Dam. 1 - H318 Skin Sens. 1 - H317 Aquatic Chronic 3 - H412 | |
| Terpeneol CAS number: 8000-41-7 | 1-5% |
| Classification Skin Irrit. 2 - H315 Eye Irrit. 2A - H319 Skin Sens. 1 - H317 Aquatic Chronic 2 - H411 | |

PHILLYMASTIC TG-7B PASTE HARDENER

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|---|------------------------|
| p-mentha-1,4(8)-diene | 1-5% |
| CAS number: 586-62-9 | |
| M factor (Acute) = 1 | M factor (Chronic) = 1 |
| Classification Skin Sens. 1B - H317 Asp. Tox. 1 - H304 Aquatic Acute 1 - H400 Aquatic Chronic 1 - H410 | |

The full text for all hazard statements is displayed in Section 16.

4. First-aid measures

Description of first aid measures

| | |
|----------------------------|---|
| General information | Show this safety data sheet to the doctor in attendance Do not breathe vapor/spray. Avoid contact with eyes. |
| Inhalation | Move affected person to fresh air at once. Get medical attention if any discomfort continues. |
| Ingestion | Do not induce vomiting. Give plenty of water to drink. Get medical attention. |
| Skin Contact | Remove affected person from source of contamination. Wash skin thoroughly with soap and water. Get medical attention if irritation persists after washing. |
| Eye contact | Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes and get medical attention. Get medical attention if irritation persists after washing. |

Most important symptoms and effects, both acute and delayed

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| General information | The severity of the symptoms described will vary dependent on the concentration and the length of exposure. |
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Indication of immediate medical attention and special treatment needed

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| Notes for the doctor | No specific recommendations. If in doubt, get medical attention promptly. |
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5. Fire-fighting measures

Extinguishing media

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| Suitable extinguishing media | Extinguish with the following media: Extinguish with alcohol-resistant foam, carbon dioxide, dry powder or water fog. |
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Special hazards arising from the substance or mixture

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| Specific hazards | Avoid breathing fire gases or vapors. |
|-------------------------|---------------------------------------|

Advice for firefighters

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| Protective actions during firefighting | Do not use water jet as an extinguisher, as this will spread the fire. |
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| Special protective equipment for firefighters | Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing. |
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6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

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| Personal precautions | Avoid contact with skin and eyes. Wear protective clothing as described in Section 8 of this safety data sheet. Provide adequate ventilation. |
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PHILLYMASTIC TG-7B PASTE HARDENER

Environmental precautions

Environmental precautions Avoid the spillage or runoff entering drains, sewers or watercourses. Spillages or uncontrolled discharges into watercourses must be reported immediately to the Environmental Agency or other appropriate regulatory body.

Methods and material for containment and cleaning up

Methods for cleaning up Contain and absorb spillage with sand, earth or other non-combustible material. Collect and place in suitable waste disposal containers and seal securely. Label the containers containing waste and contaminated materials and remove from the area as soon as possible. Flush contaminated area with plenty of water.

Reference to other sections Wear protective clothing as described in Section 8 of this safety data sheet.

7. Handling and storage

Precautions for safe handling

Usage precautions Provide adequate general and local exhaust ventilation. Observe any occupational exposure limits for the product or ingredients. Avoid contact with skin and eyes.

Conditions for safe storage, including any incompatibilities

Storage precautions Store in closed original container at temperatures between 15°C and 25°C. Store in tightly-closed, original container. Keep container tightly closed. Store away from incompatible materials (see Section 10).

Specific end uses(s)

Specific end use(s) The identified uses for this product are detailed in Section 1.

8. Exposure Controls/personal protection

Ingredient comments WEL = Workplace Exposure Limits

Exposure controls

Protective equipment



Appropriate engineering controls

Provide adequate general and local exhaust ventilation. Observe any occupational exposure limits for the product or ingredients.

Eye/face protection

Eyewear complying with an approved standard should be worn if a risk assessment indicates eye contact is possible. The following protection should be worn: Chemical splash goggles. Personal protective equipment for eye and face protection should comply with OSHA 1910.133.

Hand protection

Wear protective gloves made of the following material: Rubber or plastic. To protect hands from chemicals, gloves should comply with OSHA 1910.138 and be demonstrated to be impervious to the chemical and resist degradation. The selected gloves should have a breakthrough time of at least 8 hours.

Other skin and body protection

Wear apron or protective clothing in case of contact.

PHILLYMASTIC TG-7B PASTE HARDENER

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| Hygiene measures | Provide eyewash station and safety shower. Keep away from food, drink and animal feeding stuffs. Good personal hygiene procedures should be implemented. Wash hands and any other contaminated areas of the body with soap and water before leaving the work site. Do not eat, drink or smoke when using the product. Change work clothing daily before leaving workplace. |
| Respiratory protection | If ventilation is inadequate, suitable respiratory protection must be worn. Respirator selection must be based on exposure levels, the hazards of the product and the safe working limits of the selected respirator. Check that the respirator fits tightly and the filter is changed regularly. Wear a respirator fitted with the following cartridge: Gas filter, type A2. Half mask and quarter mask respirators with replaceable filter cartridges should comply with OSHA 1910.134. |

9. Physical and Chemical Properties

Information on basic physical and chemical properties

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| Appearance | Liquid. |
| Color | Colorless to pale yellow. |
| Odor | Characteristic. |
| pH | pH (concentrated solution): 7 @ 25 °C |
| Initial boiling point and range | 204°C @ |
| Flash point | 118°C |
| Upper/lower flammability or explosive limits | Lower flammable/explosive limit: 1.0 Upper flammable/explosive limit: 3.6 |
| Relative density | 1.6 @ 20 °C |
| Solubility(ies) | Miscible with water. |
| Other information | Not available. |

10. Stability and reactivity

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|---|---|
| Reactivity | Strong oxidizing agents. |
| Stability | Stable at normal ambient temperatures and when used as recommended. |
| Possibility of hazardous reactions | Not available. |
| Conditions to avoid | Avoid excessive heat for prolonged periods of time. |
| Materials to avoid | Avoid contact with oxidizing agents. Nitrous acid and other nitrosating agents. |
| Hazardous decomposition products | Fire or high temperatures create: Nitrous gases (NO _x). Oxides of the following substances: Carbon monoxide (CO). Carbon dioxide (CO ₂). Vapours/gases/fumes of: Ammonia or amines. |

11. Toxicological information

Information on toxicological effects

Acute toxicity - dermal

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|---------------------------|----------|
| ATE dermal (mg/kg) | 4,464.29 |
|---------------------------|----------|

PHILLYMASTIC TG-7B PASTE HARDENER

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| Skin Contact | Corrosive. Prolonged contact causes serious tissue damage. May cause sensitisation by skin contact. |
| Eye contact | This product is strongly corrosive. Immediate first aid is imperative. |
| Acute and chronic health hazards | May cause cancer. Prolonged or repeated exposure may cause severe irritation. Prolonged and repeated contact with solvents over a long period may lead to permanent health problems. May cause liver and/or renal damage. Respiratory system, lungs |

12. Ecological Information

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|---|---|
| Ecotoxicity | Avoid or minimize the creation of any environmental contamination. |
| Toxicity | Not considered toxic to fish. |
| <u>Persistence and degradability</u> | |
| Persistence and degradability | Avoid subsoil penetration. |
| <u>Bioaccumulative potential</u> | |
| Bio-Accumulative Potential | No data available on bioaccumulation. |
| <u>Mobility in soil</u> | |
| Mobility | Avoid the spillage or runoff entering drains, sewers or watercourses. |
| <u>Other adverse effects</u> | |
| Other adverse effects | Not available. |

13. Disposal considerations

Waste treatment methods

| | |
|----------------------------|---|
| General information | When handling waste, the safety precautions applying to handling of the product should be considered. |
| Disposal methods | Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority. |
| Waste class | 08 04 99 |

14. Transport information

UN Number

| | |
|----------------------|------|
| UN No. (TDG) | 1760 |
| UN No. (IMDG) | 1760 |
| UN No. (ICAO) | 1760 |
| UN No. (DOT) | 1760 |

UN proper shipping name

| | |
|------------------------------------|---|
| Proper shipping name (TDG) | CORROSIVE LIQUID, N.O.S. (TRIETHYLENETETRAMINE) |
| Proper shipping name (IMDG) | CORROSIVE LIQUID, N.O.S. (TRIETHYLENETETRAMINE) |
| Proper shipping name (ICAO) | CORROSIVE LIQUID, N.O.S. (TRIETHYLENETETRAMINE) |
| Proper shipping name (DOT) | CORROSIVE LIQUID, N.O.S. (TRIETHYLENETETRAMINE) |

Transport hazard class(es)

| | |
|------------------|---|
| TDG class | 8 |
|------------------|---|

PHILLYMASTIC TG-7B PASTE HARDENER

| | |
|---------------------|---|
| TDG label(s) | 8 |
| IMDG Class | 8 |
| ICAO class/division | 8 |

Transport labels



Packing group

| | |
|--------------------|----|
| TDG Packing Group | II |
| IMDG packing group | II |
| ICAO packing group | II |
| DOT packing group | II |

Environmental hazards

Environmentally Hazardous Substance

No.

Special precautions for user

EmS F-A, S-B

15. Regulatory information

16. Other information

| | |
|-----------------|-----------|
| Revision date | 4/6/2018 |
| Revision | 11 |
| Supersedes date | 2/13/2018 |

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|----------------------------------|--|
| Hazard statements in full | H304 May be fatal if swallowed and enters airways. |
| | H312 Harmful in contact with skin. |
| | H314 Causes severe skin burns and eye damage. |
| | H315 Causes skin irritation. |
| | H317 May cause an allergic skin reaction. |
| | H318 Causes serious eye damage. |
| | H319 Causes serious eye irritation. |
| | H400 Very toxic to aquatic life. |
| | H402 Harmful to aquatic life. |
| | H410 Very toxic to aquatic life with long lasting effects. |
| | H411 Toxic to aquatic life with long lasting effects. |
| | H412 Harmful to aquatic life with long lasting effects. |

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty, guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.