

EC safety data sheet

Safety data sheet in accordance with
Regulation (EC) No. 1907/2006

Date 01.01.09

Product **RETARDER T-18**

Revised

Code no. RETARDER T-18

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1. Identification of the product and company

Trade name RETARDER T-18

Intended uses Printing auxiliary

Producer **CHEMIPRINT**, North industrial zone Beit-Shemesh, Israel

Telephone no. Tel: 972-2-9901888 Fax: 972-2-9901899

Emergency telephone number: 972 - 3 - 5163824

2. Hazards identification



Xn- Harmful

Information pertaining to particular dangers for man and environment

R 22 - harmful if swallowed.

R 36 - Irritating to the eyes.

Classification system:

The classification is in line with current EC lists. It is expanded, however, by information from technical literature and by information by supplier companies.

3. Composition / information on ingredients

Chemical characterization Compound of glycols.

| Hazardous ingredients | C.A.S | % | Hazard | R phrases |
|-----------------------|----------|----------|--------|-----------|
| ETHANE 1,2 DIOL | 107-21-1 | 50 - 100 | Xn | 22, 36 |
| | | | | |

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4. First aid measures

Remove contaminated clothing immediately and dispose of safely.

Remove the casualty into fresh air and keep him calm consult doctor in case of symptoms.

In case of contact with skin wash off immediately with soap and plenty of water.

In case of contact with eyes rinse thoroughly with plenty of water, if symptoms persist seek medical advice.

Rinse out mouth and then drink plenty of water.
In case of persistent symptoms call for medical help.

5. Fire - fighting measures

water spray jet
foam
carbon dioxide
dry powder

During fire may evolve hazardous gasses: CO.
In fire fighting use a self-contained breathing apparatus.

6. Accidental release measures

Measures for environmental protection

Pay attention to local regulations.
Do not allow to enter the ground, water or sewage system.

Methods for cleaning up/taking up

Pick up mechanically. Dilute remaining residue with water and pick up with absorbent material (sawdust, sand, universal binder)
When picked up, treat material as prescribed under heading "Disposal".

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7. Handling and storage

Handling

Information for safe handling: keep containers tightly sealed.

Advice on protection against fire and explosion

Keep away from sources of ignition - avoid smoking.

Storage

Requirements to be met by store rooms and containers:

Do not store in direct sun.

Do not store near heat sources.

Further information on storage conditions

Store in sheltered and protected warehouse.

Keep container tightly closed.

Keep out of reach of children.

8. Exposure control /personal protection

Additional information about design of technical systems

No further data, see item 7

Components with limit values that require monitoring at the workplace.

1. Ethane 1,2 diol (cas: 107-21-1),
ACGIH: Aerosol 100 mg/m3

Hygiene measures

Keep away from foodstuffs and beverages.
Do not eat, drink or smoke during work time.
Remove soiled or soaked clothing immediately.
Clean skin thoroughly after work.

Personal protective equipment:

Respiratory protection - respiratory protection in case of vapour/aerosols release.

Hand protection - Rubber gloves

Eye protection - Tightly sealed safety glasses.

Body protection - Protective work clothing

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9. Physical and chemical properties

- Appearance - clear liquid
- Colour - Colourless to slightly yellowish.
- Odour - characteristic
- Solubility in water (20°C) - Miscible with water at any ratio.
- pH value (20°C) - N.A.
- Density (20°C) - 1.10 – 1.12 g/cc
- Viscosity - < 500 mpas
- Melting point - <0 °C
- Boiling point - >100°C
- Flash point - > 100°C
- Danger of explosion - Product is not explosive
- Ignition temperature - > 200°C

10. Stability and reactivity

- No decomposition if used according to specifications.
- No dangerous reactions known
- None known
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11. Toxicological information

| | |
|----------------------------------------------------------|-------------------|
| <input type="text" value="Acute oral toxicity (LD 50)"/> | >2000 mg / kg |
| <input type="text" value="Irritant effect on skin"/> | Non irritant |
| <input type="text" value="Irritant effect on eyes"/> | Slightly irritant |
| <input type="text" value="Further information"/> | N.D.A. |

12. Ecological information

| | |
|--------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------|
| <input type="text" value="Biodegradability"/> | > 70% -28d (OECD 302B), Evaluation : readily biodegradable. |
| <input type="text" value="Fish toxicity"/> | LC 50: >100 mg/l -96h (OECD 203). |
| <input type="text" value="Bacteria toxicity"/> | EC 50: >100 mg/l -48h(OECD 202). |
| <input type="text" value="Additional ecological information"/> | COD – Ca. 1950 mg O ₂ /g |
| <input type="text" value="AOX Information (DIN 38409 dals M, DEV H14)"/> | Product does not contain any organic bound halogen which could lead to AOX values in waste water. |
| <input type="text" value="Heavy metal information"/> | According to our knowledge the product does not contain heavy Metals and other compounds of EC directive 76/464 EC. |

13. Disposal considerations

In accordance with current regulations for alkaline materials, may be taken to waste disposal site after consultation with site operator and/or with the responsible authority.

Packaging that cannot be cleaned should be disposed of as product waste.

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14. Transport information

Road transport – ADR / RID - No classified as hazardous under transport regulations.

Marine transport – IMDG - No classified as hazardous under transport regulations.

Air transport - ICAO/IATA - No classified as hazardous under transport regulations.

15. Regulatory information (Labelling in accordance with EC hazard warning labelling)

| Hazard symbols: | Xn- harmful |
|-------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| R phrases | S phrases |
| 22 - Harmful if swallowed 36 - Irritating to eyes. | 26 - in case of contact with eyes, rinse immediately plenty of water and seek medical advice. 28 - after contact with skin, wash immediately with plenty of water. 37/39 - wear suitable gloves and eye/face protection. |

16. Other information

This information is based on our present state of knowledge. It should not therefore be considered as guarantee. Specific properties of the products are described according to their suitability for a particular application.

N.A. - Not applicable
N.D.A - No data available