1. Identification of the substance/preparation and of the company/undertaking

Trade name:
Tangit Dytex Reiniger und Anloeser

Intended use:
Cleaner for pipe bondings

Company name:
Henkel Limited
Apollo Court, 2 Bishop Square Business Park
Hatfield, Hertfordshire AL10 9EY

Great Britain

Phone: +44 (0)1606 593933
Fax-no.: +44 (0)1606 863762

E-mail address of person responsible for Safety Data Sheet:
uu-productssafety.uk@uk.henkel.com

Emergency information:
24 Hours Emergency Tel: +44(0)8701906777

2. Hazards identification

The product is classified as hazardous within the meaning of the valid (EU) preparation guideline.
Xn - Harmful
R18 In use, may form flammable/explosive vapour-air mixture.
R40 Limited evidence of a carcinogenic effect.
Solvents contained in the product evaporate during processing and their vapors can form explosive/highly inflammable air/vapor mixtures.
The solvent vapors are heavier than air and may collect in high concentrations at floor level.
Pregnant women should absolutely avoid breathe in and skin contact.

3. Composition / information on ingredients

General chemical description:
Cleaner
Base substances of preparation:
Dichloromethane

Declaration of ingredients according to EC/1907/2006:

<table>
<thead>
<tr>
<th>Hazardous components</th>
<th>EINECS ELINCS</th>
<th>content</th>
<th>Classification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dichloromethane</td>
<td>200-838-9</td>
<td>&gt; 90 %</td>
<td>carcinogenic, category 3; Xn - Harmful; R40</td>
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</tbody>
</table>
For full text of the R-Phrases indicated by codes see section 16 'Other Information'.
Substances without classification may have community workplace exposure limits available.

4. First aid measures

General information:
In case of adverse health effects seek medical advice.

Inhalation:
Move to fresh air, consult doctor if complaint persist.

Skin contact:
Rinse with running water and soap. Skin care. Remove contaminated clothes immediately.

Eye contact:
Immediately flush eyes with water, put on a bandage with sterile gauze, see an oculist.

Ingestion:
Rinse the mouth. Drink 1-2 glasses of water.
Do not induce vomiting, seek medical advice immediately.

5. Fire fighting measures

Suitable extinguishing media:
All common extinguishing agents are suitable.

Extinguishing media which must not be used for safety reasons:
Water jet (solvent-containing product).

Special protection equipment for firefighters:
Wear protective equipment. Wear self-contained breathing apparatus.

Special hazards by the product itself:
Can form explosive gas/air mixtures.

Hazardous combustion products:
carbon monoxide, Carbon dioxide, hydrogen chloride

Additional information:
Do not breathe combustion gases., In case of fire, keep containers cool with water spray.

6. Accidental release measures

Personal precautions:
Ensure adequate ventilation.
Wear protective equipment. Keep unprotected persons away.

Environmental precautions:
Do not empty into drains / surface water / ground water.

Clean-up methods:
Remove with liquid-absorbing material (sand, peat, sawdust).
Dispose of contaminated material as waste according to item 13.

7. Handling and storage
Handling:
Ventilate working rooms thoroughly. Avoid naked flames, sparking and sources of ignition. Switch off electrical devices. Do not smoke, do not weld. Do not empty waste into waste water drains.
Take measures to prevent the build-up of electrostatic charges.

Storage:
Ensure adequate ventilation.
Close the container carefully after use and store it at a good ventilated place.
Store protected from heat influence.
Temperatures between + 5 °C and + 30 °C
Keep only in the original container.
Do not store together with food or other consumables (coffee, tea, tobacco, etc.).
Do not store together with highly alkaline products.

8. Exposure controls / personal protection

Components with specific control parameters for workplace:
Valid for: Great Britain
Basis: Occupational Exposure Limits

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>ppm</th>
<th>mg/m³</th>
<th>Type</th>
<th>Category</th>
<th>Remarks</th>
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<tr>
<td>DICHLOROMETHANE</td>
<td>100</td>
<td>350</td>
<td>Time Weighted Average (TWA)</td>
<td></td>
<td>EH40 WEL</td>
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<tr>
<td>75-09-2</td>
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<tr>
<td>DICHLOROMETHANE</td>
<td>300</td>
<td>1.060</td>
<td>Short Term Exposure Limit (STEL)</td>
<td>Can be absorbed through the skin.</td>
<td>EH40 WEL</td>
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<td>Skin designation.</td>
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<td></td>
<td></td>
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</tr>
</tbody>
</table>

Engineering controls:
Ensure good ventilation/extraction.

Respiratory protection:
The product should only be used in workplaces with intensive ventilation/extraction. If intensive ventilation/extraction is not possible then self-contained independent respiratory protection should be worn.
Filter: AX

Hand protection:
For short-time contact (e.g. as protection against splashes) protective gloves made from nitrile / chloroprene rubber are recommended according to EN 374.
Material thickness > 0.6 mm
Perforation time > 10 minutes
In the case of longer and repeated contact please note that in practice the penetration times may be considerably shorter than those determined according to EN 374. The protective gloves must always be checked for their suitability for use at the specific workplace (e.g. mechanical and thermal stress, product compatibility, antistatic effects, etc.). The gloves must be replaced immediately at the first signs of wear and tear. The information provided by the manufacturers and given in the relevant trade association regulations for industrial safety must always be observed. We recommend that a hand care plan is drawn up in cooperation with a glove manufacturer and the trade association in accordance with the local operating conditions.

Eye protection:
Goggles which can be tightly sealed.

General protection and hygiene measures:
Do not breathe solvent vapors.
Do not eat, drink or smoke while working.
When using the product avoid alcohol consumption.
Wash hands before work breaks and after finishing work.
9. Physical and chemical properties

General characteristics:
Appearance: liquid
Odor: low viscosity, colourless, characteristic

Phys/chem. properties:
Boiling point: 40 °C (104 °F)
Density: 1.32 g/cm³
(20 °C (68 °F))
Solubility (qualitative): Largely insoluble.
(20 °C (68 °F); Solvent: Water)
Explosion limit:
lower [vol%]: 13 % (V)
upper [vol%]: 22 % (V)
The product is not explosive. The formation of explosive vapor/air mixtures is possible.

10. Stability and reactivity

Conditions to avoid:
No decomposition if used according to specifications.
Keep away from sources of ignition and naked flames.
Avoid heating.

Materials to avoid:
Reaction with strong bases
Reaction with metals.

Hazardous decomposition products:
In the event of a fire, hydrochloric acid gas may be released.

11. Toxicological information

Inhalative toxicity:
Irritating to respiratory system
In the event of protracted or repeated exposure, damage to health cannot be excluded.

Skin irritation:
Primary skin irritation: irritating

12. Ecological information

Persistence and degradability:
Ultimate biodegradation: The product is poorly biodegradable.

General ecological information:
Do not empty into drains, soil or bodies of water.

13. Disposal considerations

Product disposal:
Waste incineration or treatment plant with the approval of the responsible local authority.
The valid EEC waste code numbers are not product-related but are largely source-related. The manufacturer is therefore unable to specify EEC waste codes for the articles or products used in the various sectors. These can be requested from the manufacturer.
Disposal of uncleaned packages:
Use packages for recycling only when totally empty.

14. Transport information

**Road transport ADR:**

<table>
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<tr>
<th>Class</th>
<th>6.1</th>
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<tbody>
<tr>
<td>Packaging group</td>
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<tr>
<td>Classification code</td>
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**Railroad transport RID:**

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**Inland water transport ADN:**

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**Marine transport IMDG:**

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**Air transport IATA:**

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<td>Proper shipping name:</td>
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</table>
15. Regulations - classification and identification

Indication of danger:
Xn - Harmful

Contains
Dichloromethane

Risk phrases:
R18 In use, may form flammable/explosive vapour-air mixture.
R40 Limited evidence of a carcinogenic effect.

Safety phrases:
S3/9/49 Keep only in the original container in a cool, well-ventilated place.
S21 When using do not smoke.
S23 Do not breathe vapour.
S24/25 Avoid contact with skin and eyes.
S36/37 Wear suitable protective clothing and gloves.
S51 Use only in well-ventilated areas.

List of ingredients according to Detergents regulation.
Dichloromethane

16. Other information

The labelling of the product is indicated in Section 15. The full text of the R-phrases indicted by codes in this safety data sheet are as follows:
R40 Limited evidence of a carcinogenic effect.

Further information:
The product is intended for industrial use.
This information is based on our current level of knowledge and relates to the product in the state in which it is delivered. It is intended to describe our products from the point of view of safety requirements and is not intended to guarantee any particular properties.