



## Safety Data Sheet according to (EC) No 1907/2006 - ISO 11014-1

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Tangit Cleanser H

SDS no. : 41862  
V001.7

Revision: 07.08.2008  
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### 1. Identification of the substance/preparation and of the company/undertaking

**Trade name:**

Tangit Cleanser H

**Intended use:**

Cleaner for pipe bondings

**Company name:**

Henkel AG & Co. KGaA  
Henkelstr. 67  
40191 Düsseldorf

Germany

Phone: +49 (211) 797-0

**E-mail address of person responsible for Safety Data Sheet:**

ua-productsafety.de@henkel.com

**Emergency information:**

The Henkel information service also provides an around-the-clock telephone service on phone no. ++49-(0)211-797-3350 for exceptional cases.

The product is notified at the 'Information Centers for Cases of Poisoning in Germany'. These centers provide information by telephone day and night in poisoning cases. Central emergency phone number: ++49 (0) 30 19240

### 2. Hazards identification

The product is classified as hazardous within the meaning of the valid (EU) preparation guideline.

F - Highly flammable

Xi - Irritant

R11 Highly flammable.

R36 Irritating to eyes.

R66 Repeated exposure may cause skin dryness or cracking.

R67 Vapours may cause drowsiness and dizziness.

Pregnant women should absolutely avoid breathe in and skin contact.

Solvents contained in the product evaporate during processing and their vapors can form explosive/highly inflammable air/vapor mixtures.

### 3. Composition / information on ingredients

**General chemical description:**

Cleaner

**Base substances of preparation:**

Mixture of organic solvents

**Declaration of ingredients according to EC/1907/2006:**

Hazardous components CAS-No.	EINECS ELINCS	content	Classification
Butanone 78-93-3	201-159-0	> 60 %	F - Highly flammable; R11 Xi - Irritant; R36 R66 R67
Cyclohexanone 108-94-1	203-631-1	< 40 %	Xn - Harmful; R20 R10

**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:**

After inhalation of vapor: fresh air.  
Strong inhalation, fresh air, oxygen administration, hospitalization.

**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 mouth, drink 1-2 glasses of water, do not induce vomiting, consult a doctor.

#### 5. Fire fighting measures

**Suitable extinguishing media:**

carbon dioxide, foam, powder, water spray jet, fine water spray

**Extinguishing media which must not be used for safety reasons:**

High pressure waterjet

**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.

**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.  
Keep away from sources of ignition.  
Wear protective equipment.

**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.

### Storage:

Close the container carefully after use and store it at a good ventilated place.  
Temperatures between 0 °C and + 35 °C  
Keep only in the original container.  
Do not store together with food or other consumables (coffee, tea, tobacco, etc.).

## 8. Exposure controls / personal protection

### Components with specific control parameters for workplace:

Valid for

Germany

Basis

Germany - Occupational Exposure Limits

Ingredient	ppm	mg/m <sup>3</sup>	Type	Category	Remarks
BUTANON 78-93-3				Listed.	TRGS 900
BUTANONE 78-93-3				Listed.	EU-2000/39/EC
butanone; ethyl methyl ketone 78-93-3			Skin designation	Can be absorbed through the skin.	TRGS 900
butanone; ethyl methyl ketone 78-93-3	200	600	Occupational Exposure Limit (OEL).	1 If in compliance with the OEL and BEL values, then there should be no risk of reproductive damage.	TRGS 900
BUTANONE 78-93-3	200	600	Time Weighted Average (TWA).		EU-2000/39/EC
BUTANONE 78-93-3	300	900	Short Term Exposure Limit (STEL):		EU-2000/39/EC
butanone; ethyl methyl ketone 78-93-3			Short Term Exposure Classification.	Category I: substances for which the localized effect has an assigned OEL or for substances with a sensitizing effect in respiratory passages.	TRGS 900
CYCLOHEXANON 108-94-1				Listed.	TRGS 900
cyclohexanone 108-94-1			Skin designation	Can be absorbed through the skin.	TRGS 900
cyclohexanone 108-94-1	20	80	Occupational Exposure Limit (OEL).	1 If in compliance with the OEL and BEL values, then there should be no risk of reproductive damage.	TRGS 900
CYCLOHEXANONE 108-94-1	10	40,8	Time Weighted Average (TWA).		EU-2000/39/EC
CYCLOHEXANONE 108-94-1	20	81,6	Short Term Exposure Limit (STEL):		EU-2000/39/EC
CYCLOHEXANONE 108-94-1			Skin designation	Can be absorbed through the skin.	EU-2000/39/EC
cyclohexanone 108-94-1			Short Term Exposure Classification.	Category I: substances for which the localized effect has an assigned OEL or for substances with a sensitizing effect in respiratory passages.	TRGS 900

**Engineering controls:**

Ensure good ventilation/extraction.  
Draw off vapours directly at the point of generation and exit. In the case of regular work, provide bench-mounted extraction equipment.

**Respiratory protection:**

For short-term or slight exposure, use a respiratory mask with filter, for intensive or long-term exposure wear full respiratory protection apparatus  
Filter A1-A3 (brown)

**Hand protection:**

For shorttime contact (1-5 minutes) protective gloves made from special nitrile rubber are recommended according to EN 374 (manufacturer e.g German company KCL, type Dermatril P).

In case of full contact protective gloves made from butyl rubber are recommended according to EN 374.

Manufacturer e.g. German company KCL, type Butoject 898.

material thickness > 0.7 mm

Perforation time > 240 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.

**Skin protection:**

suitable protective clothing

**General protection and hygiene measures:**

Do not breathe solvent vapors.

Avoid skin-contact.

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 low viscosity colourless, clear
Odor:	strong, of solvent

**Phys./chem. properties:**

Flash point	-8 °C (17.6 °F)
Density (20 °C (68 °F))	0,81 g/cm <sup>3</sup>
Solubility (qualitative) (20 °C (68 °F); Solvent: Water)	partially soluble
Explosion limit lower [vol%]	1,3 %(V)
upper [vol%]	12,6 %(V)

## 10. Stability and reactivity

**Conditions to avoid:**

No decomposition if used according to specifications.

**Materials to avoid:**

Strong oxidizing agent.

**Hazardous decomposition products:**

None known

## 11. Toxicological information

**Inhalative toxicity:**

The toxicity of the product is due to its narcotic effect after inhalation.  
In the event of protracted or repeated exposure, damage to health cannot be excluded.

**Eye irritation:**

Primary eye irritation: irritating

## 12. Ecological information

**Persistence and degradability:**

**Ultimate biodegradation:**

Readily and rapidly degradable. All organic substances contained in the product achieve > 60% BOD/COD or CO<sub>2</sub> liberation, or > 70% DOC reduction in tests for ease of degradability. Threshold values for 'readily degradable' (e.g. to OECD method 301) are reached.

The product contains polymere components that are degradable to a large extent.

**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:**

Class:	3
Packaging group:	II
Classification code:	F1
Hazard ident. number:	33
UN no.:	1224
Label:	3
Technical name:	KETONES, LIQUID, N.O.S. (Methyl ethyl ketone,Cyclohexanone)
Additional information:	Special provision 640D

**Railroad transport RID:**

Class: 3  
Packaging group: II  
Classification code: F1  
Hazard ident. number: 33  
UN no.: 1224  
Label: 3  
Technical name: KETONES, LIQUID, N.O.S. (Methyl ethyl ketone,Cyclohexanone)  
Additional information: Special provision 640D

**Inland water transport ADN:**

Class: 3  
Packaging group: II  
Classification code: F1  
Hazard ident. number:  
UN no.: 1224  
Label: 3  
Technical name: KETONES, LIQUID, N.O.S. (Methyl ethyl ketone,Cyclohexanone)  
Additional information: Special provision 640D

**Marine transport IMDG:**

Class: 3  
Packaging group: II  
UN no.: 1224  
Label: 3  
EmS: F-D ,S-E  
Seawater pollutant: -  
Proper shipping name: KETONES, LIQUID, N.O.S. (Methyl ethyl ketone,Cyclohexanone)

**Air transport IATA:**

Class: 3  
Packaging group: II  
Packaging instructions (passenger) 305  
Packaging instructions (cargo) 307  
UN no.: 1224  
Label: 3  
Proper shipping name: Ketones, liquid, n.o.s. (Methyl ethyl ketone,Cyclohexanone)

**15. Regulations - classification and identification**

**Indication of danger:**

F - Highly flammable

Xi - Irritant



**Risk phrases:**

- R11 Highly flammable.
- R36 Irritating to eyes.
- R66 Repeated exposure may cause skin dryness or cracking.
- R67 Vapours may cause drowsiness and dizziness.

**Safety phrases:**

- S2 Keep out of the reach of children.
- S9 Keep container in a well-ventilated place.
- S16 Keep away from sources of ignition - No smoking.
- S25 Avoid contact with eyes.
- S46 If swallowed, seek medical advice immediately and show this container or label.
- S51 Use only in well-ventilated areas.

**List of ingredients according to Detergents regulation.**

- Butanone
- Cyclohexanone

**National regulations/information (Germany):**

- |                    |  |
|--------------------|--|
| WGK:               | 1, slightly water-endangering product. (German VwVwS of May 17, 1999 )<br>Classification in conformity with the calculation method |
| Storage class VCI: | 3A   |

## 16. Other information

The labelling of the product is indicated in Section 15. The full text of the R-phrases indicated by codes in this safety data sheet are as follows:

- R10 Flammable.
- R11 Highly flammable.
- R20 Harmful by inhalation.
- R36 Irritating to eyes.
- R66 Repeated exposure may cause skin dryness or cracking.
- R67 Vapours may cause drowsiness and dizziness.

**Further information:**

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.