



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

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Tangit ABS

SDS no. : 41754
V001.9

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

Trade name:

Tangit ABS

Intended use:

Pipe adhesive

Company name:

Henkel AG & Co. KGaA
Henkelstr. 67
40191 Düsseldorf

Germany

Phone: +49 (211) 797-0

Supplied by:
RS Components Ltd,
Birchington Road, Corby, Northants, NN17 9RS.
Tel: +44 (0) 1536 402888 (8am to 8pm)
Email: technical.help@rs-components.com

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.

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

Pregnant women should absolutely avoid breathe in and skin contact.

3. Composition / information on ingredients

General chemical description:

Adhesive solution

Base substances of preparation:

ABS copolymer

in a 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 | > 50 - < 60 % | F - Highly flammable; R11 Xi - Irritant; R36 R66 R67 |
| n-Butyl acetate 123-86-4 | 204-658-1 | > 15 - < 25 % | R10 R66 R67 |

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 persists.

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 and throat. Drink 1-2 glasses of water. Seek medical advice.

5. Fire fighting measures

Suitable extinguishing media:

Foam.
extinguishing powder
Carbon dioxide.
water spray jet

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:

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

6. Accidental release measures

Personal precautions:

Ensure adequate ventilation.
Keep away from sources of ignition.

Environmental precautions:

Do not empty into drains / surface water / ground water.

Clean-up methods:

Remove with liquid-absorbing material.
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:

Ensure adequate ventilation.
Keep only in the original container.
Close the container carefully after use and store it at a good ventilated place.
Store protected from heat influence.
Temperatures between + 5 °C and + 35 °C
Do not store together with food or other consumables (coffee, tea, tobacco, etc.).
Do not store together with oxidants.

8. Exposure controls / personal protection

Components with specific control parameters for workplace:

Valid for
Germany

Basis
Germany - Occupational Exposure Limits

| Ingredient | ppm | mg/m ³ | Type | Category | Remarks |
|---------------------|-----|-------------------|-------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------|---------------|
| BUTANON 78-93-3 | 200 | 600 | Occupational Exposure Limit (OEL). | 1 If in compliance with the MAK and BAT values, then there should be no risk to the fetus. | TRGS 900 |
| BUTANON 78-93-3 | | | Skin designation. | Can be absorbed through the skin. | TRGS 900 |
| BUTANON 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 |
| BUTANON 78-93-3 | | | | Listed. | TRGS 900 |
| BUTANONE 78-93-3 | 300 | 900 | Short Term Exposure Limit (STEL): | | EU-2000/39/EC |
| BUTANONE 78-93-3 | 200 | 600 | Time Weighted Average (TWA). | | EU-2000/39/EC |
| BUTANONE 78-93-3 | | | | Listed. | EU-2000/39/EC |

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:

In the event of exposure over short periods of time or to small amounts use respiration filter device. Use a respiratory protection apparatus which is independent of circulating air in the case of more protracted exposure.
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).

For shorttime contact (e.g. as protection against splashes) protective gloves made from butyl rubber are recommended according to EN 374.

material thickness > 0.7 mm

Perforation time > 60 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.

Do not eat, drink or smoke while working.

When using the product avoid alcohol consumption.

Wash hands before work breaks and after finishing work.

Avoid skin and eye contact.

9. Physical and chemical properties

General characteristics:

| | |
|------------|-----------------------------------------------|
| Appearance | liquid light, thixotropic, free-flowing |
| Odor: | grey intensive, of ester and keton |

Phys./chem. properties:

| | |
|---------------------------------|-----------------------------|
| Boiling point | 79 °C (174.2 °F) |
| Flash point | -1 °C (30.2 °F) |
| Density | 0,8 - 0,9 g/cm ³ |
| (20 °C (68 °F)) | |
| Viscosity (dynamic) | 8.000 - 11.000 mPas |
| (Brookfield; 20 °C (68 °F)) | |
| Solubility (qualitative) | partially soluble |
| (20 °C (68 °F); Solvent: Water) | |
| Explosion limit | |
| lower [vol%] | 1,2 % (V) |
| upper [vol%] | 11,5 % (V) |

10. Stability and reactivity

Conditions to avoid:

No decomposition if used according to specifications.

Materials to avoid:

None if used for intended purpose.

Hazardous decomposition products:

In the event of a fire, carbon monoxide (CO) and carbon dioxide (CO₂) are released.

11. Toxicological information

General toxicological information:

In the event of protracted or repeated exposure, damage to health cannot be excluded.

Inhalative toxicity:

The toxicity of the product is due to its narcotic effect after inhalation.

Eye irritation:

Primary eye irritation: irritating

12. Ecological information

Persistence and degradability:

Ultimate biodegradation:

The total of the organic components contained in the product achieve > 60% BOD/COD or CO₂ liberation, or > 70% DOC reduction in tests for ease of degradability - threshold values for 'readily degradable' (e.g. to OECD method 301).

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: | III |
| Classification code: | F1 |
| Hazard ident. number: | 33 |
| UN no.: | 1133 |
| Label: | 3 |
| Technical name: | ADHESIVES |
| Additional information: | Special provision 640H |

Railroad transport RID:

| | |
|-------------------------|------------------------|
| Class: | 3 |
| Packaging group: | III |
| Classification code: | F1 |
| Hazard ident. number: | 33 |
| UN no.: | 1133 |
| Label: | 3 |
| Technical name: | ADHESIVES |
| Additional information: | Special provision 640H |

Inland water transport ADN:

Class: 3
Packaging group: III
Classification code: F1
Hazard ident. number:
UN no.: 1133
Label: 3
Technical name: ADHESIVES
Additional information: Special provision 640H

Marine transport IMDG:

Class: 3
Packaging group: III
UN no.: 1133
Label: 3
EmS: F-E ,S-D
Seawater pollutant: -
Proper shipping name: ADHESIVES

Air transport IATA:

Class: 3
Packaging group: III
Packaging instructions (passenger) 309
Packaging instructions (cargo) 310
UN no.: 1133
Label: 3
Proper shipping name: Adhesives

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.
- Further advice:
- S37 Wear suitable gloves.

National regulations/information (Germany):

WGK: 1, slightly water-endangering product. (German VwVwS of May 17, 1999)
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.
- 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.