



## Safety Data Sheet according to (EC) No 1907/2006 as amended

Page 1 of 16

Tangit Cleaner PVC-U/C ABS

SDS No. : 41955  
V001.15

Revision: 27.06.2023

printing date: 29.09.2023

Replaces version from: 19.08.2022

### SECTION 1: Identification of the substance/mixture and of the company/undertaking

#### 1.1. Product identifier

Tangit Cleaner PVC-U/C ABS

#### 1.2. Relevant identified uses of the substance or mixture and uses advised against

Intended use:

Cleaner for pipe bondings

#### 1.3. Details of the supplier of the safety data sheet

Henkel Ltd

Adhesives

Wood Lane End

HP2 4RQ Hemel Hempstead

Great Britain

Phone: +44 (1442) 278000

SDSinfo.Adhesive@henkel.com

For Safety Data Sheet updates please visit our website <https://mysds.henkel.com/index.html#/appSelection> or [www.henkel-adhesives.com](http://www.henkel-adhesives.com).

#### 1.4. Emergency telephone number

24 Hours Emergency Tel: +44 0 8701 906777 - For further general health & safety, technical and practical advice on this product, please call +44 (0) 1606 593933 or write to: Technical Services; Henkel Limited; Road 5; Winsford Industrial Estate; Winsford; Cheshire; CW7 3QY- Email: [technical.services@henkel.co.uk](mailto:technical.services@henkel.co.uk)

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

##### Classification (CLP):

Flammable liquids

Category 2

H225 Highly flammable liquid and vapour.

Serious eye irritation

Category 2

H319 Causes serious eye irritation.

Specific target organ toxicity - single exposure

Category 3

H336 May cause drowsiness or dizziness.

#### 2.2. Label elements

##### Label elements (CLP):

##### Hazard pictogram:



Contains

Butanone

acetone

**Signal word:** Danger

**Hazard statement:** H225 Highly flammable liquid and vapour.  
H319 Causes serious eye irritation.  
H336 May cause drowsiness or dizziness.

**Supplemental information** EUH066 Repeated exposure may cause skin dryness or cracking.

**Precautionary statement:** P102 Keep out of reach of children.  
P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
P260 Do not breathe mist/vapours.  
P271 Use only outdoors or in a well-ventilated area.  
P280 Wear protective gloves/protective clothing/eye protection/face protection.  
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P501 Dispose of contents/container in accordance with national regulation.

**2.3. Other hazards**

Solvents contained in the product evaporate during processing and their vapors can form explosive/highly inflammable air/vapor mixtures.  
Pregnant women should absolutely avoid inhalation and skin contact.

Following substances are present in a concentration  $\geq$  the concentration limit for depiction in Section 3 and fulfill the criteria for PBT/vPvB, or were identified as endocrine disruptor (ED):

This mixture does not contain any substances in a concentration  $\geq$  the concentration limit for depiction in Section 3 that are assessed to be a PBT, vPvB or ED.

**SECTION 3: Composition/information on ingredients**

**3.2. Mixtures**

**Declaration of the ingredients according to CLP (EC) No 1272/2008:**

| Hazardous components<br>CAS-No.<br>EC Number<br>REACH-Reg No. | Concentration | Classification  | Specific Conc. Limits, M-factors and ATEs | Add. Information   |
|---|---------------|---|---|--------------------|
| acetone<br>67-64-1<br>200-662-2<br>01-2119471330-49           | 40- 60 %      | Flam. Liq. 2, H225<br>Eye Irrit. 2, H319<br>STOT SE 3, H336 |   | EU OEL<br>EUEXPL2D |
| Butanone<br>78-93-3<br>201-159-0<br>01-2119457290-43          | 40- 60 %      | STOT SE 3, H336<br>Eye Irrit. 2, H319<br>Flam. Liq. 2, H225 |   | EU OEL             |

**If no ATE values are displayed, please refer to LD/LC50 values in Section 11.  
For full text of the H - statements and other abbreviations see section 16 "Other information".**

**SECTION 4: First aid measures****4.1. Description of 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 soft jet of water or eye rinse solution for at least 5 minutes. If pains remain (intensive smarting, sensitivity to light, visual disturbance) continue flushing and contact/seek doctor or hospital.

Ingestion:

Rinse mouth, do not induce vomiting, consult a doctor.

**4.2. Most important symptoms and effects, both acute and delayed**

Causes serious eye irritation.

Vapors may cause drowsiness and dizziness.

**4.3. Indication of any immediate medical attention and special treatment needed**

See section: Description of first aid measures

**SECTION 5: Firefighting measures****5.1. Extinguishing media**

**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

**5.2. Special hazards arising from the substance or mixture**

In the event of a fire, carbon monoxide (CO) and carbon dioxide (CO<sub>2</sub>) can be released.

**5.3. Advice for firefighters**

Wear self-contained breathing apparatus.

Wear protective equipment.

**Additional information:**

Cool endangered containers with water spray jet.

**SECTION 6: Accidental release measures****6.1. Personal precautions, protective equipment and emergency procedures**

Wear protective equipment.

Danger of slipping on spilled product.

Avoid contact with skin and eyes.

Ensure adequate ventilation.

**6.2. Environmental precautions**

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

**6.3. Methods and material for containment and cleaning up**

Remove with liquid-absorbing material (sand, peat, sawdust).

Dispose of contaminated material as waste according to Section 13.

**6.4. Reference to other sections**

See advice in section 8

**SECTION 7: Handling and storage****7.1. Precautions for safe 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.

During processing and drying after adhesion, ventilate well. Avoid all sources of fire such as stoves and ovens. Switch off all electrical devices such as parabolic heaters, hot plates, storage heaters etc. in good time for them to have cooled down before commencing work. Avoid all sparks, including those occurring at electrical switches and devices.

Avoid skin and eye contact.

Hygiene measures:

Do not eat, drink or smoke while working.

Wash hands before work breaks and after finishing work.

**7.2. Conditions for safe storage, including any incompatibilities**

Ensure adequate ventilation.

Close the container carefully after use and store it at a good ventilated place.

Store protected from heat influence.

Temperatures between 0 °C and + 35 °C

Keep only in original container.

Do not store together with food or other consumables (coffee, tea, tobacco, etc.).

**7.3. Specific end use(s)**

Cleaner for pipe bondings

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### Occupational Exposure Limits

Valid for  
Great Britain

| Ingredient [Regulated substance]                           | ppm   | mg/m <sup>3</sup> | Value type                        | Short term exposure limit category / Remarks | Regulatory list |
|--|-------|-------------------|-----------------------------------|--|-----------------|
| Acetone<br>67-64-1<br>[ACETONE]                            | 500   | 1.210             | Time Weighted Average (TWA):      |  | EH40 WEL        |
| Acetone<br>67-64-1<br>[ACETONE]                            | 500   | 1.210             | Time Weighted Average (TWA):      | Indicative                                   | ECTLV           |
| Acetone<br>67-64-1<br>[ACETONE]                            | 1.500 | 3.620             | Short Term Exposure Limit (STEL): | 15 minutes                                   | EH40 WEL        |
| Butanone<br>78-93-3<br>[BUTAN-2-ONE (METHYL ETHYL KETONE)] |       |                   | Skin designation:                 | Can be absorbed through the skin.            | EH40 WEL        |
| Butanone<br>78-93-3<br>[BUTAN-2-ONE (METHYL ETHYL KETONE)] | 200   | 600               | Time Weighted Average (TWA):      |  | EH40 WEL        |
| Butanone<br>78-93-3<br>[BUTANONE]                          | 200   | 600               | Time Weighted Average (TWA):      | Indicative                                   | ECTLV           |
| Butanone<br>78-93-3<br>[BUTANONE]                          | 300   | 900               | Short Term Exposure Limit (STEL): | Indicative                                   | ECTLV           |
| Butanone<br>78-93-3<br>[BUTAN-2-ONE (METHYL ETHYL KETONE)] | 300   | 899               | Short Term Exposure Limit (STEL): | 15 minutes                                   | EH40 WEL        |

#### Occupational Exposure Limits

Valid for  
Ireland

| Ingredient [Regulated substance]                   | ppm | mg/m <sup>3</sup> | Value type                        | Short term exposure limit category / Remarks | Regulatory list |
|--|-----|-------------------|-----------------------------------|--|-----------------|
| Acetone<br>67-64-1<br>[ACETONE]                    | 500 | 1.210             | Time Weighted Average (TWA):      | Indicative OELV                              | IR_OEL          |
| Acetone<br>67-64-1<br>[ACETONE]                    | 500 | 1.210             | Time Weighted Average (TWA):      | Indicative                                   | ECTLV           |
| Butanone<br>78-93-3<br>[METHYL ETHYL KETONE (MEK)] | 200 | 600               | Time Weighted Average (TWA):      | Indicative OELV                              | IR_OEL          |
| Butanone<br>78-93-3<br>[METHYL ETHYL KETONE (MEK)] |     |                   | Skin designation:                 | Can be absorbed through the skin.            | IR_OEL          |
| Butanone<br>78-93-3<br>[BUTANONE]                  | 200 | 600               | Time Weighted Average (TWA):      | Indicative                                   | ECTLV           |
| Butanone<br>78-93-3<br>[BUTANONE]                  | 300 | 900               | Short Term Exposure Limit (STEL): | Indicative                                   | ECTLV           |
| Butanone<br>78-93-3<br>[METHYL ETHYL KETONE (MEK)] | 300 | 900               | Short Term Exposure Limit (STEL): | 15 minutes<br>Indicative OELV                | IR_OEL          |

**Predicted No-Effect Concentration (PNEC):**

| Name on list        | Environmental Compartment       | Exposure period | Value     |     |              |        | Remarks |
|---------------------|---------------------------------|-----------------|-----------|-----|--------------|--------|---------|
|                     |                                 |                 | mg/l      | ppm | mg/kg        | others |         |
| acetone<br>67-64-1  | aqua<br>(intermittent releases) |                 | 21 mg/l   |     |              |        |         |
| acetone<br>67-64-1  | sewage treatment plant (STP)    |                 | 100 mg/l  |     |              |        |         |
| acetone<br>67-64-1  | sediment (freshwater)           |                 |           |     | 30,4 mg/kg   |        |         |
| acetone<br>67-64-1  | sediment (marine water)         |                 |           |     | 3,04 mg/kg   |        |         |
| acetone<br>67-64-1  | Soil                            |                 |           |     | 29,5 mg/kg   |        |         |
| acetone<br>67-64-1  | aqua (freshwater)               |                 | 10,6 mg/l |     |              |        |         |
| acetone<br>67-64-1  | aqua (marine water)             |                 | 1,06 mg/l |     |              |        |         |
| Butanone<br>78-93-3 | aqua (freshwater)               |                 | 55,8 mg/l |     |              |        |         |
| Butanone<br>78-93-3 | aqua (marine water)             |                 | 55,8 mg/l |     |              |        |         |
| Butanone<br>78-93-3 | aqua (intermittent releases)    |                 | 55,8 mg/l |     |              |        |         |
| Butanone<br>78-93-3 | sewage treatment plant (STP)    |                 | 709 mg/l  |     |              |        |         |
| Butanone<br>78-93-3 | sediment (freshwater)           |                 |           |     | 284,74 mg/kg |        |         |
| Butanone<br>78-93-3 | sediment (marine water)         |                 |           |     | 284,7 mg/kg  |        |         |
| Butanone<br>78-93-3 | Soil                            |                 |           |     | 22,5 mg/kg   |        |         |
| Butanone<br>78-93-3 | oral                            |                 |           |     | 1000 mg/kg   |        |         |

**Derived No-Effect Level (DNEL):**

| Name on list        | Application Area   | Route of Exposure | Health Effect                             | Exposure Time | Value                  | Remarks |
|---------------------|--------------------|-------------------|---|---------------|------------------------|---------|
| acetone<br>67-64-1  | Workers            | Inhalation        | Acute/short term exposure - local effects |               | 2420 mg/m <sup>3</sup> |         |
| acetone<br>67-64-1  | Workers            | dermal            | Long term exposure - systemic effects     |               | 186 mg/kg              |         |
| acetone<br>67-64-1  | Workers            | Inhalation        | Long term exposure - systemic effects     |               | 1210 mg/m <sup>3</sup> |         |
| acetone<br>67-64-1  | General population | dermal            | Long term exposure - systemic effects     |               | 62 mg/kg               |         |
| acetone<br>67-64-1  | General population | Inhalation        | Long term exposure - systemic effects     |               | 200 mg/m <sup>3</sup>  |         |
| acetone<br>67-64-1  | General population | oral              | Long term exposure - systemic effects     |               | 62 mg/kg               |         |
| Butanone<br>78-93-3 | Workers            | dermal            | Long term exposure - systemic effects     |               | 1161 mg/kg             |         |
| Butanone<br>78-93-3 | Workers            | inhalation        | Long term exposure - systemic effects     |               | 600 mg/m <sup>3</sup>  |         |
| Butanone<br>78-93-3 | General population | dermal            | Long term exposure - systemic effects     |               | 412 mg/kg              |         |
| Butanone<br>78-93-3 | General population | inhalation        | Long term exposure - systemic effects     |               | 106 mg/m <sup>3</sup>  |         |
| Butanone<br>78-93-3 | General population | oral              | Long term exposure - systemic effects     |               | 31 mg/kg               |         |

**Biological Exposure Indices:**

| Ingredient [Regulated substance]     | Parameters  | Biological specimen | Sampling time                | Conc. | Basis of biol. exposure index | Remark | Additional Information |
|--------------------------------------|-------------|---------------------|------------------------------|-------|-------------------------------|--------|------------------------|
| Butanone<br>78-93-3<br>[BUTAN-2-ONE] | Butan-2-one | Urine               | Sampling time: End of shift. |       | UKEH40BMG<br>V                |        |                        |

**8.2. Exposure controls:****Respiratory protection:**

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

**Hand protection:**

Recommended are gloves made from Nitril rubber ( Material thickness >0,1 mm, Perforation time < 30s).Gloves should be replaced after each short time contact or contamination. Available at laboratory specialized trade or at pharmacies / chemist's shops.

In the case of longer contact protective gloves made from chloroprene rubber are recommended according to EN 374. material thickness > 0.6 mm

Perforation time > 30 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.

Protective eye equipment should conform to EN166.

**Skin protection:**

Suitable protective clothing

Protective clothing should conform to EN 14605 for liquid splashes or to EN 13982 for dusts.

**Advices to personal protection equipment:**

The information provided on personal protective equipment is for guidance purposes only. A full risk assessment should be conducted prior to using this product to determine the appropriate personal protective equipment to suit local conditions.

Personal protective equipment should conform to the relevant EN standard.

**SECTION 9: Physical and chemical properties****9.1. Information on basic physical and chemical properties**

|  |   |
|--|---|
| Delivery form                                  | liquid  |
| Colour   | colourless, Clear   |
| Odor   | Of methyl ethyl ketone  |
| Physical state                                 | liquid  |
| Melting point                                  | Not applicable, Product is a liquid   |
| Solidification temperature                     | -86 °C (-122.8 °F)  |
| Initial boiling point                          | 56 °C (132.8 °F)no method / method unknown  |
| Flammability                                   | flammable   |
| Explosive limits                               |   |
| lower  | 1,5 % (V); No data available.   |
| upper  | 14,3 % (V); No data available.  |
| Flash point                                    | -16 °C (3.2 °F); DIN 51755 Closed cup flash point   |
| Auto-ignition temperature                      | 465 °C (869 °F)   |
| Decomposition temperature                      | Not applicable, Substance/mixture is not self-reactive, no organic peroxide and does not decompose under foreseen conditions of use |
| pH   | 7   |
| (20 °C (68 °F); Conc.: 10 g/l; Solvent: Water) |   |
| Viscosity (kinematic)                          | 0,5 mm <sup>2</sup> /s  |
| (23 °C (73 °F); )                              |   |
| Solubility (qualitative)                       | Soluble   |
| (20 °C (68 °F); Solvent: Water)                |   |
| Partition coefficient: n-octanol/water         | Not applicable  |
| Vapour pressure                                | Mixture   |
| (50 °C (122 °F))                               | 815 mbar  |
| Vapour pressure                                | 246 mbar  |
| (20 °C (68 °F))                                |   |
| Density  | 0,792 - 0,802 g/cm <sup>3</sup> no method / method unknown  |
| (23 °C (73.4 °F))                              |   |
| Relative vapour density:                       | = 1,3   |
| (20 °C)  |   |
| Particle characteristics                       | Not applicable  |
|  | Product is a liquid   |

**9.2. Other information**

Other information not applicable for this product

**SECTION 10: Stability and reactivity****10.1. Reactivity**

None if used for intended purpose.

**10.2. Chemical stability**

Stable under recommended storage conditions.

**10.3. Possibility of hazardous reactions**

See section reactivity

**10.4. Conditions to avoid**

None if used for intended purpose.



**10.5. Incompatible materials**

None if used properly.

**10.6. Hazardous decomposition products**

None known.

**SECTION 11: Toxicological information****11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008****Acute oral toxicity:**

The mixture is classified based on calculation method referring to the classified substances present in the mixture.

| Hazardous substances<br>CAS-No. | Value<br>type | Value       | Species | Method        |
|---------------------------------|---------------|-------------|---------|---------------|
| acetone<br>67-64-1              | LD50          | 5.800 mg/kg | rat     | not specified |
| Butanone<br>78-93-3             | LD50          | 2.737 mg/kg | rat     | not specified |

**Acute dermal toxicity:**

The mixture is classified based on calculation method referring to the classified substances present in the mixture.

| Hazardous substances<br>CAS-No. | Value<br>type | Value          | Species | Method        |
|---------------------------------|---------------|----------------|---------|---------------|
| acetone<br>67-64-1              | LD50          | > 15.688 mg/kg | rabbit  | Draize Test   |
| Butanone<br>78-93-3             | LD50          | > 6.400 mg/kg  | rabbit  | not specified |

**Acute 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.

| Hazardous substances<br>CAS-No. | Value<br>type | Value     | Test atmosphere | Exposure<br>time | Species | Method        |
|---------------------------------|---------------|-----------|-----------------|------------------|---------|---------------|
| acetone<br>67-64-1              | LC50          | 76 mg/l   | vapour          | 4 h              | rat     | not specified |
| Butanone<br>78-93-3             | LC50          | 34,5 mg/l | vapour          | 4 h              | rat     | not specified |

**Skin corrosion/irritation:**

The mixture is classified based on calculation method referring to the classified substances present in the mixture.

| Hazardous substances<br>CAS-No. | Result         | Exposure<br>time | Species    | Method   |
|---------------------------------|----------------|------------------|------------|--|
| acetone<br>67-64-1              | not irritating |                  | guinea pig | not specified  |
| Butanone<br>78-93-3             | not irritating | 4 h              | rabbit     | OECD Guideline 404 (Acute Dermal Irritation / Corrosion) |

**Serious eye damage/irritation:**

The mixture is classified based on calculation method referring to the classified substances present in the mixture.

| Hazardous substances<br>CAS-No. | Result     | Exposure<br>time | Species | Method   |
|---------------------------------|------------|------------------|---------|--|
| acetone<br>67-64-1              | irritating |                  | rabbit  | OECD Guideline 405 (Acute Eye Irritation / Corrosion)                          |
| Butanone<br>78-93-3             | irritating |                  | rabbit  | equivalent or similar to OECD Guideline 405 (Acute Eye Irritation / Corrosion) |

**Respiratory or skin sensitization:**

The mixture is classified based on threshold limits referring to the classified substances present in the mixture.

| Hazardous substances CAS-No. | Result          | Test type                    | Species    | Method   |
|------------------------------|-----------------|------------------------------|------------|--|
| acetone<br>67-64-1           | not sensitising | Guinea pig maximisation test | guinea pig | not specified  |
| Butanone<br>78-93-3          | not sensitising | Buehler test                 | guinea pig | equivalent or similar to OECD Guideline 406 (Skin Sensitisation) |

**Germ cell mutagenicity:**

The mixture is classified based on threshold limits referring to the classified substances present in the mixture.

| Hazardous substances CAS-No. | Result   | Type of study / Route of administration          | Metabolic activation / Exposure time | Species | Method  |
|------------------------------|----------|--|--------------------------------------|---------|---|
| acetone<br>67-64-1           | negative | bacterial reverse mutation assay (e.g Ames test) | with and without                     |         | OECD Guideline 471 (Bacterial Reverse Mutation Assay)                                       |
| acetone<br>67-64-1           | negative | in vitro mammalian chromosome aberration test    | with and without                     |         | OECD Guideline 473 (In vitro Mammalian Chromosome Aberration Test)                          |
| acetone<br>67-64-1           | negative | mammalian cell gene mutation assay               | without                              |         | OECD Guideline 476 (In vitro Mammalian Cell Gene Mutation Test)                             |
| Butanone<br>78-93-3          | negative | bacterial reverse mutation assay (e.g Ames test) | with and without                     |         | equivalent or similar to OECD Guideline 471 (Bacterial Reverse Mutation Assay)              |
| Butanone<br>78-93-3          | negative | in vitro mammalian chromosome aberration test    | not applicable                       |         | equivalent or similar to OECD Guideline 473 (In vitro Mammalian Chromosome Aberration Test) |
| Butanone<br>78-93-3          | negative | mammalian cell gene mutation assay               | with and without                     |         | equivalent or similar to OECD Guideline 476 (In vitro Mammalian Cell Gene Mutation Test)    |
| acetone<br>67-64-1           | negative | oral: drinking water                             |                                      | mouse   | not specified   |
| Butanone<br>78-93-3          | negative | intraperitoneal                                  |                                      | mouse   | equivalent or similar to OECD Guideline 474 (Mammalian Erythrocyte Micronucleus Test)       |

**Carcinogenicity**

The mixture is classified based on threshold limits referring to the classified substances present in the mixture.

| Hazardous components CAS-No. | Result           | Route of application | Exposure time / Frequency of treatment | Species | Sex    | Method        |
|------------------------------|------------------|----------------------|--|---------|--------|---------------|
| acetone<br>67-64-1           | not carcinogenic | dermal               | 424 d<br>3 times per week              | mouse   | female | not specified |

**Reproductive toxicity:**

The mixture is classified based on threshold limits referring to the classified substances present in the mixture.

| Hazardous substances CAS-No. | Result / Value                              | Test type            | Route of application    | Species | Method   |
|------------------------------|---|----------------------|-------------------------|---------|--|
| Butanone<br>78-93-3          | NOAEL P 10.000 mg/l<br>NOAEL F1 10.000 mg/l | two-generation study | oral:<br>drinking water | rat     | equivalent or similar to OECD Guideline 416 (Two-Generation Reproduction Toxicity Study) |

**STOT-single exposure:**

No data available.

**STOT-repeated exposure:**

The mixture is classified based on threshold limits referring to the classified substances present in the mixture.

| Hazardous substances<br>CAS-No. | Result / Value  | Route of<br>application    | Exposure time /<br>Frequency of<br>treatment | Species | Method   |
|---------------------------------|-----------------|----------------------------|--|---------|--|
| acetone<br>67-64-1              | NOAEL 900 mg/kg | oral:<br>drinking<br>water | 13 w<br>daily                                | rat     | OECD Guideline 408<br>(Repeated Dose 90-Day<br>Oral Toxicity in Rodents) |
| Butanone<br>78-93-3             | NOAEL 2500 ppm  | inhalation                 | 90 days<br>6 hours/day, 5<br>days/week       | rat     | not specified  |

**Aspiration hazard:**

The mixture is classified based on Viscosity data.

| Hazardous substances<br>CAS-No. | Viscosity (kinematic)<br>Value | Temperature | Method              | Remarks |
|---------------------------------|--------------------------------|-------------|---------------------|---------|
| Butanone<br>78-93-3             | 0,51 mm <sup>2</sup> /s        | 20 °C       | ASTM Standard D7042 |         |

**11.2 Information on other hazards**

not applicable

## SECTION 12: Ecological information

### General ecological information:

Do not empty into drains, soil or bodies of water.

### 12.1. Toxicity

#### Toxicity (Fish):

The mixture is classified based on calculation method referring to the classified substances present in the mixture.

The table below presents the data of the classified substances present in the mixture.

| Hazardous substances<br>CAS-No. | Value<br>type | Value      | Exposure time | Species             | Method   |
|---------------------------------|---------------|------------|---------------|---------------------|--|
| acetone<br>67-64-1              | LC50          | 8.120 mg/l | 96 h          | Pimephales promelas | OECD Guideline 203 (Fish, Acute Toxicity Test) |
| Butanone<br>78-93-3             | LC50          | 3.220 mg/l | 96 h          | Pimephales promelas | OECD Guideline 203 (Fish, Acute Toxicity Test) |

#### Toxicity (aquatic invertebrates):

The mixture is classified based on calculation method referring to the classified substances present in the mixture.

The table below presents the data of the classified substances present in the mixture.

| Hazardous substances<br>CAS-No. | Value<br>type | Value      | Exposure time | Species       | Method   |
|---------------------------------|---------------|------------|---------------|---------------|--|
| acetone<br>67-64-1              | EC50          | 8.800 mg/l | 48 h          | Daphnia pulex | OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test) |
| Butanone<br>78-93-3             | EC50          | 5.091 mg/l | 48 h          | Daphnia magna | OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test) |

#### Chronic toxicity (aquatic invertebrates):

The table below presents the data of the classified substances present in the mixture.

| Hazardous substances<br>CAS-No. | Value<br>type | Value      | Exposure time | Species       | Method                                      |
|---------------------------------|---------------|------------|---------------|---------------|---|
| acetone<br>67-64-1              | NOEC          | 2.212 mg/l | 28 d          | Daphnia magna | OECD 211 (Daphnia magna, Reproduction Test) |

#### Toxicity (Algae):

The mixture is classified based on calculation method referring to the classified substances present in the mixture.

The table below presents the data of the classified substances present in the mixture.

| Hazardous substances<br>CAS-No. | Value<br>type | Value      | Exposure time | Species                         | Method   |
|---------------------------------|---------------|------------|---------------|---------------------------------|--|
| acetone<br>67-64-1              | NOEC          | 530 mg/l   | 8 d           | Microcystis aeruginosa          | DIN 38412-09   |
| Butanone<br>78-93-3             | EC50          | 1.240 mg/l | 96 h          | Pseudokirchneriella subcapitata | OECD Guideline 201 (Alga,<br>Growth Inhibition Test) |
| Butanone<br>78-93-3             | EC10          | 1.010 mg/l | 96 h          | Pseudokirchneriella subcapitata | OECD Guideline 201 (Alga,<br>Growth Inhibition Test) |

#### Toxicity (microorganisms):

The mixture is classified based on calculation method referring to the classified substances present in the mixture.

The table below presents the data of the classified substances present in the mixture.

| Hazardous substances<br>CAS-No. | Value<br>type | Value      | Exposure time | Species            | Method   |
|---------------------------------|---------------|------------|---------------|--------------------|--|
| acetone<br>67-64-1              | EC10          | 1.000 mg/l | 30 min        | Pseudomonas putida | DIN 38412, part 27<br>(Bacterial oxygen<br>consumption test)       |
| Butanone<br>78-93-3             | EC50          | 1.150 mg/l | 16 h          | Pseudomonas putida | DIN 38412, part 8<br>(Pseudomonas<br>Zellvermehrungshemm-<br>Test) |

#### 12.2. Persistence and degradability

The table below presents the data of the classified substances present in the mixture.

| Hazardous substances<br>CAS-No. | Result                | Test type | Degradability | Exposure<br>time | Method  |
|---------------------------------|-----------------------|-----------|---------------|------------------|---|
| acetone<br>67-64-1              | readily biodegradable | aerobic   | 81 - 92 %     | 30 d             | EU Method C.4-E (Determination<br>of the "Ready"<br>Biodegradability Closed Bottle<br>Test) |
| Butanone<br>78-93-3             | readily biodegradable | aerobic   | 98 %          | 28 d             | OECD Guideline 301 D (Ready<br>Biodegradability: Closed Bottle<br>Test)                     |

#### 12.3. Bioaccumulative potential

No data available.

**12.4. Mobility in soil**

The table below presents the data of the classified substances present in the mixture.

| Hazardous substances<br>CAS-No. | LogPow | Temperature | Method   |
|---------------------------------|--------|-------------|--|
| acetone<br>67-64-1              | -0,24  |             | OECD Guideline 107 (Partition Coefficient (n-octanol / water), Shake Flask Method) |
| Butanone<br>78-93-3             | 0,3    | 40 °C       | OECD Guideline 117 (Partition Coefficient (n-octanol / water), HPLC Method)        |

**12.5. Results of PBT and vPvB assessment**

The table below presents the data of the classified substances present in the mixture.

| Hazardous substances<br>CAS-No. | PBT / vPvB  |
|---------------------------------|---|
| acetone<br>67-64-1              | Not fulfilling Persistent, Bioaccumulative and Toxic (PBT), very Persistent and very Bioaccumulative (vPvB) criteria. |
| Butanone<br>78-93-3             | Not fulfilling Persistent, Bioaccumulative and Toxic (PBT), very Persistent and very Bioaccumulative (vPvB) criteria. |

**12.6. Endocrine disrupting properties**

not applicable

**12.7. Other adverse effects**

No data available.

**SECTION 13: Disposal considerations****13.1. Waste treatment methods**

Product disposal:

Dispose of waste and residues in accordance with local authority requirements.

Disposal of uncleaned packages:

Use packages for recycling only when totally empty.

Waste code

140603

|  |
|--|
| <b>SECTION 14: Transport information</b> |
|--|

**14.1. UN number or ID number**

|      |      |
|------|------|
| ADR  | 1224 |
| RID  | 1224 |
| ADN  | 1224 |
| IMDG | 1224 |
| IATA | 1224 |

**14.2. UN proper shipping name**

|      |   |
|------|---|
| ADR  | KETONES, LIQUID, N.O.S. (Acetone,Methyl ethyl ketone) |
| RID  | KETONES, LIQUID, N.O.S. (Acetone,Methyl ethyl ketone) |
| ADN  | KETONES, LIQUID, N.O.S. (Acetone,Methyl ethyl ketone) |
| IMDG | KETONES, LIQUID, N.O.S. (Acetone,Methyl ethyl ketone) |
| IATA | Ketones, liquid, n.o.s. (Acetone,Methyl ethyl ketone) |

**14.3. Transport hazard class(es)**

|      |   |
|------|---|
| ADR  | 3 |
| RID  | 3 |
| ADN  | 3 |
| IMDG | 3 |
| IATA | 3 |

**14.4. Packing group**

|      |    |
|------|----|
| ADR  | II |
| RID  | II |
| ADN  | II |
| IMDG | II |
| IATA | II |

**14.5. Environmental hazards**

|      |                |
|------|----------------|
| ADR  | not applicable |
| RID  | not applicable |
| ADN  | not applicable |
| IMDG | not applicable |
| IATA | not applicable |

**14.6. Special precautions for user**

|      |   |
|------|---|
| ADR  | Special provision 640D<br>Tunnelcode: (D/E) |
| RID  | Special provision 640D                      |
| ADN  | Special provision 640D                      |
| IMDG | not applicable                              |
| IATA | not applicable                              |

**14.7. Maritime transport in bulk according to IMO instruments**

not applicable

|   |
|---|
| <b>SECTION 15: Regulatory information</b> |
|---|

**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**

|   |                |
|---|----------------|
| Ozone Depleting Substance (ODS) (Regulation (EC) No 1005/2009): | Not applicable |
| Prior Informed Consent (PIC) (Regulation (EU) No 649/2012):     | Not applicable |
| Persistent organic pollutants (Regulation (EU) 2019/1021):      | Not applicable |

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

acetone  
Butanone  
sec-Butyl alcohol  
Acetic acid

**15.2. Chemical safety assessment**

A chemical safety assessment has not been carried out.

**SECTION 16: Other information**

The labelling of the product is indicated in Section 2. The full text of all abbreviations indicated by codes in this safety data sheet are as follows:

H225 Highly flammable liquid and vapour.

H319 Causes serious eye irritation.

H336 May cause drowsiness or dizziness.

|             |   |
|-------------|---|
| ED:         | Substance identified as having endocrine disrupting properties  |
| EU OEL:     | Substance with a Union workplace exposure limit   |
| EU EXPLD 1: | Substance listed in Annex I, Reg (EC) No. 2019/1148   |
| EU EXPLD 2: | Substance listed in Annex II, Reg (EC) No. 2019/1148  |
| SVHC:       | Substance of very high concern (REACH Candidate List)   |
| PBT:        | Substance fulfilling persistent, bioaccumulative and toxic criteria   |
| PBT/vPvB:   | Substance fulfilling persistent, bioaccumulative and toxic plus very persistent and very bioaccumulative criteria |
| vPvB:       | Substance fulfilling very persistent and very bioaccumulative criteria  |

**Further information:**

This Safety Data Sheet has been produced for sales from Henkel to parties purchasing from Henkel, is based on Regulation (EC) No 1907/2006 and provides information in accordance with applicable regulations of the European Union only. In that respect, no statement, warranty or representation of any kind is given as to compliance with any statutory laws or regulations of any other jurisdiction or territory other than the European Union. When exporting to territories other than the European Union, please consult with the respective Safety Data Sheet of the concerned territory to ensure compliance or liaise with Henkel's Product Safety and Regulatory Affairs Department (SDSinfo.Adhesive@henkel.com) prior to export to other territories than the European Union.

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.

Dear Customer,

Henkel is committed to creating a sustainable future by promoting opportunities along the entire value chain. If you would like to contribute by switching from a paper to the electronic version of SDS, please contact the local Customer Service representative. We recommend to use a non-personal email address (e.g. SDS@your\_company.com).

Product is intended for professional use.

**Relevant changes in this safety data sheet are indicated by vertical lines at the left margin in the body of this document. Corresponding text is displayed in a different color on shadowed fields.**