



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

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Pattex PL 150

SDS No. : 479239  
V002.1

Revision: 18.07.2022

printing date: 28.09.2022

Replaces version from: 31.07.2020

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

#### 1.1. Product identifier

Pattex PL 150

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

Intended use:

Assembly adhesive, dispersion

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

Henkel Jebal Ali FZCO

PO Box 61341 - Jebel Ali

Dubai

Utd.Arab.Emir.

psra.imea@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

HAAD Poison and Drug Information Center UAE, TOLL FREE TEL. NUMBER 800-424

### SECTION 2: Hazards identification

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

##### Classification (CLP):

|                                                         |            |
|---------------------------------------------------------|------------|
| Flammable solids                                        | Category 1 |
| H228 Flammable solid.                                   |            |
| Skin irritation                                         | Category 2 |
| H315 Causes skin irritation.                            |            |
| Serious eye irritation                                  | Category 2 |
| H319 Causes serious eye irritation.                     |            |
| Specific target organ toxicity - single exposure        | Category 3 |
| H336 May cause drowsiness or dizziness.                 |            |
| Route of Exposure: Inhalation                           |            |
| Chronic hazards to the aquatic environment              | Category 3 |
| H412 Harmful to aquatic life with long lasting effects. |            |

#### 2.2. Label elements

##### Label elements (CLP):

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**Hazard pictogram:**



**Contains**

Ethyl acetate

Hydrocarbons, C6, isoalkanes, <5% n-hexane

**Signal word:**

Danger

**Hazard statement:**

H228 Flammable solid.  
H315 Causes skin irritation.  
H319 Causes serious eye irritation.  
H336 May cause drowsiness or dizziness.  
H412 Harmful to aquatic life with long lasting effects.

**Precautionary statement:**

P101 If medical advice is needed, have product container or label at hand.  
P102 Keep out of reach of children.

**Precautionary statement:  
Prevention**

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources.  
No smoking.  
P271 Use only outdoors or in a well-ventilated area.  
P280 Wear protective gloves/eye protection.

**Precautionary statement:  
Disposal**

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.

Not fulfilling Persistent, Bioaccumulative and Toxic (PBT), very Persistent and very Bioaccumulative (vPvB) criteria.

## SECTION 3: Composition/information on ingredients

### 3.2. Mixtures

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

| Hazardous components<br>CAS-No.                          | EC Number | content    | Classification                                                                                                                                                  |
|----------------------------------------------------------|-----------|------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Hydrocarbons, C6, isoalkanes, <5% n-hexane<br>64742-49-0 | 931-254-9 | 10- 20 %   | Asp. Tox. 1<br>H304<br>Skin Irrit. 2<br>H315<br>STOT SE 3<br>H336<br>Flam. Liq. 2<br>H225<br>Aquatic Chronic 2<br>H411                                          |
| Ethyl acetate<br>141-78-6                                | 205-500-4 | 10- 20 %   | Flam. Liq. 2<br>H225<br>STOT SE 3<br>H336<br>Eye Irrit. 2<br>H319                                                                                               |
| n-Hexane<br>110-54-3                                     | 203-777-6 | 0,1- < 1 % | Flam. Liq. 2<br>H225<br>Repr. 2<br>H361f<br>Asp. Tox. 1<br>H304<br>STOT RE 2<br>H373<br>Skin Irrit. 2<br>H315<br>STOT SE 3<br>H336<br>Aquatic Chronic 2<br>H411 |

For full text of the H - statements and other abbreviations see section 16 "Other information".  
Substances without classification may have community workplace exposure limits available.

## 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

Vapors may cause drowsiness and dizziness.

Causes serious eye irritation.

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

See section: Description of first aid measures

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## 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.

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 mechanically.

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

Protect from direct sunlight.

Store protected from heat influence.

Ensure adequate ventilation.

Keep only in original container.

Temperatures between + 5 °C and + 40 °C

Do not store together with highly flammable substances (F or F+).

Do not store together with oxidants.

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

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## 7.3. Specific end use(s)

Assembly adhesive, dispersion

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## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### Occupational Exposure Limits

Valid for  
Utd.Arab.Emir.

| Ingredient [Regulated substance]                                                       | ppm | mg/m <sup>3</sup> | Value type                   | Short term exposure limit category / Remarks | Regulatory list |
|----------------------------------------------------------------------------------------|-----|-------------------|------------------------------|----------------------------------------------|-----------------|
| Ethyl acetate<br>141-78-6<br>[ETHYL ACETATE]                                           | 400 | 1.440             | Time Weighted Average (TWA): |                                              | AD TLV          |
| Ethyl acetate<br>141-78-6<br>[ETHYL ACETATE]                                           | 400 |                   | Time Weighted Average (TWA): |                                              | DB OEL          |
| Ethyl acetate<br>141-78-6<br>[ETHYL ACETATE]                                           | 400 | 1.440             | Time Weighted Average (TWA): |                                              | GCC TLV         |
| Ethyl acetate<br>141-78-6<br>[ETHYL ACETATE]                                           | 400 | 1.440             | Time Weighted Average (TWA): |                                              | UAE OEL         |
| Naphtha (petroleum), hydrotreated light<br>64742-49-0<br>[NAPHTHA (COAL TAR)]          |     | 400               | Time Weighted Average (TWA): |                                              | AD TLV          |
| Naphtha (petroleum), hydrotreated light<br>64742-49-0<br>[NAPHTHA (COAL TAR)]          |     | 44                | Time Weighted Average (TWA): |                                              | GCC TLV         |
| Naphtha (petroleum), hydrotreated light<br>64742-49-0<br>[NAPHTHA (COAL TAR)]          |     | 400               | Time Weighted Average (TWA): |                                              | UAE OEL         |
| Silicon dioxide<br>112945-52-5<br>[SILICA (RESPIRABLE PARTICULATE)]                    |     | 3                 | Time Weighted Average (TWA): |                                              | AD TLV          |
| Silicon dioxide<br>112945-52-5<br>[SILICA (INHALABLE PARTICLE)]                        |     | 10                | Time Weighted Average (TWA): |                                              | AD TLV          |
| Silicon dioxide<br>112945-52-5<br>[UN-CRYSTALLIZE SILICA (GRAPHITE) (TOTAL DUST)]      |     | 10                | Time Weighted Average (TWA): |                                              | DB OEL          |
| Silicon dioxide<br>112945-52-5<br>[UN-CRYSTALLIZE SILICA (GRAPHITE) (RESPIRABLE DUST)] |     | 2,5               | Time Weighted Average (TWA): |                                              | DB OEL          |
| Silicon dioxide<br>112945-52-5<br>[SILICA DUST (RESPIRABLE)]                           |     | 3                 | Time Weighted Average (TWA): |                                              | DB OEL          |
| n-Hexane<br>110-54-3<br>[N-HEXANE]                                                     |     |                   | Skin designation:            | Can be absorbed through the skin.            | AD TLV          |
| n-Hexane<br>110-54-3<br>[N-HEXANE]                                                     | 50  | 176               | Time Weighted Average (TWA): |                                              | AD TLV          |
| n-Hexane<br>110-54-3<br>[N-HEXANE]                                                     | 20  | 72                | Time Weighted Average (TWA): |                                              | DB OEL          |
| n-Hexane<br>110-54-3<br>[N-HEXANE]                                                     | 50  | 176               | Time Weighted Average (TWA): |                                              | GCC TLV         |
| n-Hexane<br>110-54-3<br>[N-HEXANE]                                                     | 50  | 176               | Time Weighted Average (TWA): |                                              | UAE OEL         |

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## Occupational Exposure Limits

Valid for  
Bharain

| Ingredient [Regulated substance]                                              | ppm | mg/m <sup>3</sup> | Value type                   | Short term exposure limit category / Remarks | Regulatory list |
|-------------------------------------------------------------------------------|-----|-------------------|------------------------------|----------------------------------------------|-----------------|
| Ethyl acetate<br>141-78-6<br>[ETHYL ACETATE]                                  | 400 | 1.440             | Time Weighted Average (TWA): |                                              | BH TLV          |
| Ethyl acetate<br>141-78-6<br>[ETHYL ACETATE]                                  | 400 | 1.440             | Time Weighted Average (TWA): |                                              | GCC TLV         |
| Naphtha (petroleum), hydrotreated light<br>64742-49-0<br>[NAPHTHA (COAL TAR)] |     | 44                | Time Weighted Average (TWA): |                                              | BH TLV          |
| Naphtha (petroleum), hydrotreated light<br>64742-49-0<br>[NAPHTHA (COAL TAR)] |     | 44                | Time Weighted Average (TWA): |                                              | GCC TLV         |
| n-Hexane<br>110-54-3<br>[N-HEXANE]                                            | 50  | 176               | Time Weighted Average (TWA): |                                              | BH TLV          |
| n-Hexane<br>110-54-3<br>[N-HEXANE]                                            | 50  | 176               | Time Weighted Average (TWA): |                                              | GCC TLV         |

## Occupational Exposure Limits

Valid for  
Egypt

| Ingredient [Regulated substance]                                                                                                                          | ppm | mg/m <sup>3</sup> | Value type                   | Short term exposure limit category / Remarks | Regulatory list |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-------------------|------------------------------|----------------------------------------------|-----------------|
| Limestone<br>1317-65-3<br>[CALCIUM CARBONATE (INCLUDING LIMESTONE AND MARBLE), TOTAL DUST CONTAINING NO MORE THAN 1% CRYSTALLIZED SILICA AND NO ASBESTOS] |     | 10                | Time Weighted Average (TWA): |                                              | EG OEL          |
| Ethyl acetate<br>141-78-6<br>[ETHYL ACETATE]                                                                                                              | 400 | 1.440             | Time Weighted Average (TWA): |                                              | EG OEL          |
| Silicon dioxide<br>112945-52-5<br>[SILICA, AMORPHOUS]                                                                                                     |     |                   | Time Weighted Average (TWA): |                                              | EG OEL          |
| n-Hexane<br>110-54-3<br>[N-HEXANE]                                                                                                                        | 50  | 176               | Time Weighted Average (TWA): |                                              | EG OEL          |
| n-Hexane<br>110-54-3<br>[N-HEXANE]                                                                                                                        |     |                   | Skin designation:            | Can be absorbed through the skin.            | EG OEL          |

## Occupational Exposure Limits

Valid for  
Jordan

| Ingredient [Regulated substance]             | ppm | mg/m <sup>3</sup> | Value type                   | Short term exposure limit category / Remarks | Regulatory list |
|----------------------------------------------|-----|-------------------|------------------------------|----------------------------------------------|-----------------|
| Ethyl acetate<br>141-78-6<br>[ETHYL ACETATE] | 400 | 1.400             | Time Weighted Average (TWA): |                                              | JO TLV          |
| n-Hexane<br>110-54-3<br>[HEXANE (REGULAR)]   | 50  | 180               | Time Weighted Average (TWA): |                                              | JO TLV          |

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## Occupational Exposure Limits

Valid for  
Kuwait

| Ingredient [Regulated substance]                                              | ppm   | mg/m <sup>3</sup> | Value type                                            | Short term exposure limit category / Remarks | Regulatory list |
|-------------------------------------------------------------------------------|-------|-------------------|-------------------------------------------------------|----------------------------------------------|-----------------|
| Limestone<br>1317-65-3<br>[MARBLE (CALCIUM CARBONATE),<br>TOTAL]              |       | 10                | Time Weighted Average<br>(TWA):                       |                                              | KW OEL          |
| Limestone<br>1317-65-3<br>[MARBLE (CALCIUM CARBONATE),<br>INHALED]            |       | 5                 | Time Weighted Average<br>(TWA):                       |                                              | KW OEL          |
| Limestone<br>1317-65-3<br>[MARBLE (CALCIUM CARBONATE),<br>INHALED]            |       |                   | Harmful Concentration for<br>risk to health and life: | Unknown                                      | KW OEL          |
| Limestone<br>1317-65-3<br>[MARBLE (CALCIUM CARBONATE),<br>TOTAL]              |       |                   | Harmful Concentration for<br>risk to health and life: | Unknown                                      | KW OEL          |
| Naphtha (petroleum), hydrotreated light<br>64742-49-0<br>[NAPHTHA (COAL TAR)] |       | 44                | Time Weighted Average<br>(TWA):                       |                                              | GCC TLV         |
| Naphtha (petroleum), hydrotreated light<br>64742-49-0<br>[NAPHTHA (COAL TAR)] | 100   | 400               | Time Weighted Average<br>(TWA):                       |                                              | KW OEL          |
| Naphtha (petroleum), hydrotreated light<br>64742-49-0<br>[NAPHTHA (COAL TAR)] | 1.000 |                   | Harmful Concentration for<br>risk to health and life: |                                              | KW OEL          |
| Silicon dioxide<br>112945-52-5<br>[SILICA, AMORPHOUS]                         |       | 3.000             | Harmful Concentration for<br>risk to health and life: |                                              | KW OEL          |
| Silicon dioxide<br>112945-52-5<br>[SILICA, AMORPHOUS]                         |       | 6                 | Time Weighted Average<br>(TWA):                       |                                              | KW OEL          |
| Silicon dioxide<br>112945-52-5<br>[PARTICULATES, INHALED]                     |       |                   | Harmful Concentration for<br>risk to health and life: | Unknown                                      | KW OEL          |
| Silicon dioxide<br>112945-52-5<br>[PARTICULATES, TOTAL]                       |       | 15                | Time Weighted Average<br>(TWA):                       |                                              | KW OEL          |
| Silicon dioxide<br>112945-52-5<br>[PARTICULATES, INHALED]                     |       | 5                 | Time Weighted Average<br>(TWA):                       |                                              | KW OEL          |
| Silicon dioxide<br>112945-52-5<br>[PARTICULATES, TOTAL]                       |       |                   | Harmful Concentration for<br>risk to health and life: | Unknown                                      | KW OEL          |
| n-Hexane<br>110-54-3<br>[N-HEXANE]                                            | 50    | 176               | Time Weighted Average<br>(TWA):                       |                                              | GCC TLV         |
| n-Hexane<br>110-54-3<br>[HEXANE]                                              | 50    | 180               | Time Weighted Average<br>(TWA):                       |                                              | KW OEL          |
| n-Hexane<br>110-54-3<br>[HEXANE]                                              | 1.100 |                   | Harmful Concentration for<br>risk to health and life: |                                              | KW OEL          |
| n-Hexane<br>110-54-3<br>[HEXANE]                                              |       |                   | Skin designation:                                     | Can be absorbed through the<br>skin.         | KW OEL          |

## Occupational Exposure Limits

Valid for  
Israel



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| Ingredient [Regulated substance]             | ppm | mg/m <sup>3</sup> | Value type                   | Short term exposure limit category / Remarks | Regulatory list |
|----------------------------------------------|-----|-------------------|------------------------------|----------------------------------------------|-----------------|
| Ethyl acetate<br>141-78-6<br>[ETHYL ACETATE] | 400 |                   | Time Weighted Average (TWA): |                                              | IL OEL          |
| n-Hexane<br>110-54-3<br>[N-HEXANE]           | 50  |                   | Time Weighted Average (TWA): |                                              | IL OEL          |
| n-Hexane<br>110-54-3<br>[N-HEXANE]           |     |                   | Skin designation:            | Danger of cutaneous absorption               | IL OEL          |

## Occupational Exposure Limits

Valid for  
Kenya

| Ingredient [Regulated substance]                                                                                                       | ppm | mg/m <sup>3</sup> | Value type                          | Short term exposure limit category / Remarks | Regulatory list |
|----------------------------------------------------------------------------------------------------------------------------------------|-----|-------------------|-------------------------------------|----------------------------------------------|-----------------|
| Limestone<br>1317-65-3<br>[MARBLE TOTAL INHALABLE DUST<br>LIMESTONE TOTAL INHALABLE DUST<br>CALCIUM CARBONATE TOTAL<br>INHALABLE DUST] |     | 10                | Time-weighted average (TWA) OEL-RL: |                                              | KE OEL-RL       |
| Limestone<br>1317-65-3<br>[MARBLE RESPIRABLE DUST<br>CALCIUM CARBONATE RESPIRABLE<br>DUST<br>LIMESTONE RESPIRABLE DUST]                |     | 5                 | Time-weighted average (TWA) OEL-RL: |                                              | KE OEL-RL       |
| Ethyl acetate<br>141-78-6<br>[ETHYL ACETATE]                                                                                           | 400 | 1.400             | Time-weighted average (TWA) OEL-RL: |                                              | KE OEL-RL       |
| Silicon dioxide<br>112945-52-5<br>[SILICA, AMORPHOUS TOTAL<br>INHALABLE DUST]                                                          |     | 6                 | Time-weighted average (TWA) OEL-RL: |                                              | KE OEL-RL       |
| Silicon dioxide<br>112945-52-5<br>[SILICA, AMORPHOUS RESPIRABLE<br>DUST]                                                               |     | 3                 | Time-weighted average (TWA) OEL-RL: |                                              | KE OEL-RL       |
| n-Hexane<br>110-54-3<br>[N-HEXANE]                                                                                                     | 20  | 70                | Time-weighted average (TWA) OEL-RL: |                                              | KE OEL-RL       |

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## Biological Exposure Indices:

None

| Ingredient [Regulated substance]             | Parameters                         | Biological specimen | Sampling time                | Conc.  | Basis of biol. exposure index | Remark | Additional Information |
|----------------------------------------------|------------------------------------|---------------------|------------------------------|--------|-------------------------------|--------|------------------------|
| n-Hexane<br>110-54-3<br>[N-HEXANE]           | 2,5-Hexanedion, without hydrolysis | Creatinine in urine | Sampling time: End of shift. | 5 mg/g | KW BEL                        |        |                        |
| n-Hexane<br>110-54-3<br>[N-HEXANE [ENTRY 2]] | hexane                             | End-exhaled air     | Sampling time: End of shift. |        | KW BEL                        |        |                        |

| Ingredient [Regulated substance]   | Parameters                         | Biological specimen | Sampling time                | Conc.    | Basis of biol. exposure index | Remark | Additional Information       |
|------------------------------------|------------------------------------|---------------------|------------------------------|----------|-------------------------------|--------|------------------------------|
| n-Hexane<br>110-54-3<br>[N-HEXANE] | 2,5-Hexanedion, without hydrolysis | Urine               | Sampling time: End of shift. | 0,5 mg/l | IL BEI                        |        | Source of Limit value: ACGIH |

| Ingredient [Regulated substance]   | Parameters      | Biological specimen | Sampling time                | Conc.  | Basis of biol. exposure index | Remark                                                                                                                                                                                                                                                                                                                                                                                                                      | Additional Information |
|------------------------------------|-----------------|---------------------|------------------------------|--------|-------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|
| n-Hexane<br>110-54-3<br>[N-HEXANE] | n-hexane        | End-exhaled air     |                              |        | KE BEI                        | D: This notation indicates that the biological determinant is an indicator of exposure to the chemical, but the quantitative interpretation of the measurement is ambiguous (semi-quantitative). These biological determinants should be used as a screening test if a quantitative test is not practical or a confirmatory test if the quantitative test is not specific and the origin of the determinant is in question. |                        |
| n-Hexane<br>110-54-3<br>[N-HEXANE] | 2,5-Hexanedione | Creatinine in urine | Sampling time: End of shift. | 5 mg/g | KE BEI                        | C: This notation indicates that the determinant is non-specific, since it is observed after exposure to                                                                                                                                                                                                                                                                                                                     |                        |

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|--|--|--|--|--|--|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  |  |  |  |  |  | some other chemicals. These non-specific tests are preferred because they are easy to use and usually offer a better correlation with exposure than specific tests. In such instances a BEI for a specific, less quantitative biological determinant is recommended as a confirmatory test. |
|--|--|--|--|--|--|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

## 8.2. Exposure controls:

### Respiratory protection:

Suitable breathing mask when there is inadequate ventilation.  
Combination filter: ABEKP (EN 14387)  
This recommendation should be matched to local conditions.

### 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 nitrile rubber are recommended according to EN 374.  
material thickness > 0.4 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.  
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.

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## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

|                                                             |                                               |
|-------------------------------------------------------------|-----------------------------------------------|
| Appearance                                                  | paste<br>solid<br>beige                       |
| Odor                                                        | of solvent                                    |
| Odour threshold                                             | No data available / Not applicable            |
| pH                                                          | Not applicable, Product is non-polar/aprotic. |
| pH                                                          | Not applicable                                |
| Initial boiling point                                       | No data available / Not applicable            |
| Flash point                                                 | Not applicable                                |
| Decomposition temperature                                   | No data available / Not applicable            |
| Vapour pressure                                             | No data available / Not applicable            |
| Density<br>(20 °C (68 °F))                                  | 1,23 - 1,29 g/cm <sup>3</sup>                 |
| Bulk density                                                | No data available / Not applicable            |
| Viscosity                                                   | No data available / Not applicable            |
| Viscosity (kinematic)                                       | No data available / Not applicable            |
| Explosive properties                                        | No data available / Not applicable            |
| Solubility (qualitative)<br>(20 °C (68 °F); Solvent: Water) | Partially soluble                             |
| Solidification temperature                                  | No data available / Not applicable            |
| Melting point                                               | No data available / Not applicable            |
| Flammability                                                | No data available / Not applicable            |
| Auto-ignition temperature                                   | No data available / Not applicable            |
| Explosive limits                                            |                                               |
| lower                                                       | 2 %(V)                                        |
| upper                                                       | 12,8 %(V)                                     |
| Partition coefficient: n-octanol/water                      | No data available / Not applicable            |
| Evaporation rate                                            | No data available / Not applicable            |
| Vapor density                                               | Not applicable, Product is a solid.           |
| Oxidising properties                                        | No data available / Not applicable            |

### 9.2. Other information

No data available / Not applicable

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

Reaction with acids: production of heat and carbon dioxide.

### 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

See section reactivity.

### 10.6. Hazardous decomposition products

None known.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

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## 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.

## Acute oral toxicity:

| Hazardous components CAS-No.                          | Value type | Value          | Route of application | Exposure time | Species | Method                                                            |
|-------------------------------------------------------|------------|----------------|----------------------|---------------|---------|-------------------------------------------------------------------|
| Hydrocarbons, C6, isoalkanes, <5% n-hexane 64742-49-0 | LD50       | > 16.750 mg/kg | oral                 |               | rat     | equivalent or similar to OECD Guideline 401 (Acute Oral Toxicity) |
| Ethyl acetate 141-78-6                                | LD50       | 6.100 mg/kg    | oral                 |               | rat     | not specified                                                     |
| n-Hexane 110-54-3                                     | LD50       | 16.000 mg/kg   | oral                 |               | rat     | OECD Guideline 401 (Acute Oral Toxicity)                          |

## Acute inhalative toxicity:

| Hazardous components CAS-No.                          | Value type | Value        | Route of application | Exposure time | Species | Method                                                                  |
|-------------------------------------------------------|------------|--------------|----------------------|---------------|---------|-------------------------------------------------------------------------|
| Hydrocarbons, C6, isoalkanes, <5% n-hexane 64742-49-0 | LC50       | 259,354 mg/l | vapour               | 4 h           | rat     | equivalent or similar to OECD Guideline 403 (Acute Inhalation Toxicity) |
| Ethyl acetate 141-78-6                                | LC0        | > 22,5 mg/l  | dust/mist            | 6 h           | rat     | other guideline:                                                        |
| Ethyl acetate 141-78-6                                | LC50       | > 22,5 mg/l  | dust/mist            | 6 h           | rat     | other guideline:                                                        |
| n-Hexane 110-54-3                                     | LC50       | > 31,86 mg/l | vapour               | 4 h           | rat     | not specified                                                           |

## Acute dermal toxicity:

| Hazardous components CAS-No.                          | Value type | Value          | Route of application | Exposure time | Species | Method                                                              |
|-------------------------------------------------------|------------|----------------|----------------------|---------------|---------|---------------------------------------------------------------------|
| Hydrocarbons, C6, isoalkanes, <5% n-hexane 64742-49-0 | LD50       | > 3.350 mg/kg  | dermal               |               | rabbit  | equivalent or similar to OECD Guideline 402 (Acute Dermal Toxicity) |
| Ethyl acetate 141-78-6                                | LD50       | > 20.000 mg/kg | dermal               |               | rabbit  | Draize Test                                                         |
| n-Hexane 110-54-3                                     | LD50       | > 2.000 mg/kg  | dermal               |               | rabbit  | not specified                                                       |

## Skin corrosion/irritation:

| Hazardous components CAS-No. | Result              | Exposure time | Species | Method                                                                            |
|------------------------------|---------------------|---------------|---------|-----------------------------------------------------------------------------------|
| Ethyl acetate 141-78-6       | slightly irritating | 24 h          | rabbit  | equivalent or similar to OECD Guideline 404 (Acute Dermal Irritation / Corrosion) |
| n-Hexane 110-54-3            | not irritating      |               | rabbit  | OECD Guideline 404 (Acute Dermal Irritation / Corrosion)                          |

## Serious eye damage/irritation:

| Hazardous components CAS-No.                          | Result              | Exposure time | Species | Method                                                                         |
|-------------------------------------------------------|---------------------|---------------|---------|--------------------------------------------------------------------------------|
| Hydrocarbons, C6, isoalkanes, <5% n-hexane 64742-49-0 | not irritating      |               | rabbit  | equivalent or similar to OECD Guideline 405 (Acute Eye Irritation / Corrosion) |
| Ethyl acetate 141-78-6                                | slightly irritating |               | rabbit  | OECD Guideline 405 (Acute Eye Irritation / Corrosion)                          |
| n-Hexane 110-54-3                                     | not irritating      |               | rabbit  | not specified                                                                  |

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## Respiratory or skin sensitization:

| Hazardous components<br>CAS-No.                             | Result          | Test type                                      | Species    | Method                                                                                            |
|-------------------------------------------------------------|-----------------|------------------------------------------------|------------|---------------------------------------------------------------------------------------------------|
| Hydrocarbons, C6,<br>isoalkanes, <5% n-hexane<br>64742-49-0 | not sensitising | Mouse<br>local<br>lymphnode<br>assay<br>(LLNA) | mouse      | equivalent or similar to OECD<br>Guideline 429 (Skin<br>Sensitisation: Local Lymph<br>Node Assay) |
| Ethyl acetate<br>141-78-6                                   | not sensitising | Guinea pig<br>maximisation<br>test             | guinea pig | OECD Guideline 406 (Skin<br>Sensitisation)                                                        |
| n-Hexane<br>110-54-3                                        | not sensitising | Mouse<br>local<br>lymphnode<br>assay<br>(LLNA) | mouse      | OECD Guideline 429 (Skin<br>Sensitisation: Local Lymph<br>Node Assay)                             |

## Germ cell mutagenicity:

| Hazardous components<br>CAS-No.                             | Result   | Type of study /<br>Route of<br>administration          | Metabolic<br>activation /<br>Exposure time | Species             | Method                                                                                                  |
|-------------------------------------------------------------|----------|--------------------------------------------------------|--------------------------------------------|---------------------|---------------------------------------------------------------------------------------------------------|
| Hydrocarbons, C6,<br>isoalkanes, <5% n-hexane<br>64742-49-0 | negative | mammalian cell<br>gene mutation assay                  | with and without                           |                     | OECD Guideline 476 (In vitro<br>Mammalian Cell Gene<br>Mutation Test)                                   |
|                                                             | negative | in vitro mammalian<br>chromosome<br>aberration test    | with and without                           |                     | OECD Guideline 473 (In vitro<br>Mammalian Chromosome<br>Aberration Test)                                |
|                                                             | negative | bacterial reverse<br>mutation assay (e.g<br>Ames test) | with and without                           |                     | OECD Guideline 471<br>(Bacterial Reverse Mutation<br>Assay)                                             |
| Hydrocarbons, C6,<br>isoalkanes, <5% n-hexane<br>64742-49-0 | negative | inhalation: vapour                                     |                                            | rat                 | equivalent or similar to OECD<br>Guideline 475 (Mammalian<br>Bone Marrow Chromosome<br>Aberration Test) |
| Ethyl acetate<br>141-78-6                                   | negative | bacterial reverse<br>mutation assay (e.g<br>Ames test) | with and without                           |                     | equivalent or similar to OECD<br>Guideline 471 (Bacterial<br>Reverse Mutation Assay)                    |
|                                                             | negative | in vitro mammalian<br>chromosome<br>aberration test    | with and without                           |                     | equivalent or similar to OECD<br>Guideline 473 (In vitro<br>Mammalian Chromosome<br>Aberration Test)    |
| Ethyl acetate<br>141-78-6                                   | negative | oral: gavage                                           |                                            | hamster,<br>Chinese | equivalent or similar to OECD<br>Guideline 474 (Mammalian<br>Erythrocyte Micronucleus<br>Test)          |
| n-Hexane<br>110-54-3                                        | negative | bacterial reverse<br>mutation assay (e.g<br>Ames test) | with and without                           |                     | OECD Guideline 471<br>(Bacterial Reverse Mutation<br>Assay)                                             |
|                                                             | negative | mammalian cell<br>gene mutation assay                  | with and without                           |                     | OECD Guideline 476 (In vitro<br>Mammalian Cell Gene<br>Mutation Test)                                   |
| n-Hexane<br>110-54-3                                        | negative | inhalation: vapour                                     |                                            | mouse               | not specified                                                                                           |
|                                                             | negative | inhalation: vapour                                     |                                            | rat                 | not specified                                                                                           |

## Carcinogenicity:

| Hazardous components<br>CAS-No.                             | Result           | Species | Sex         | Exposure<br>time/Frequency<br>of treatment | Route of<br>application | Method                                                                   |
|-------------------------------------------------------------|------------------|---------|-------------|--------------------------------------------|-------------------------|--------------------------------------------------------------------------|
| Hydrocarbons, C6,<br>isoalkanes, <5% n-hexane<br>64742-49-0 | not carcinogenic | rat     | male/female | 2 years<br>6 h/d, 5d/week                  | inhalation:<br>vapour   | equivalent or similar<br>OECD Guideline 451<br>(Carcinogenicity Studies) |
| n-Hexane<br>110-54-3                                        | not carcinogenic | mouse   | female      | 2 y<br>6 h/d; 5 d/w                        | inhalation:<br>vapour   | OECD Guideline 451<br>(Carcinogenicity Studies)                          |

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## Reproductive toxicity:

| Hazardous substances<br>CAS-No. | Result / Classification                                          | Species                                             | Exposure<br>time | Species | Method                                                                 |
|---------------------------------|------------------------------------------------------------------|-----------------------------------------------------|------------------|---------|------------------------------------------------------------------------|
| Ethyl acetate<br>141-78-6       | NOAEL P = 1500 ppm                                               | other:<br>inhalation                                | 94 d             | rat     | other guideline:                                                       |
| n-Hexane<br>110-54-3            | NOAEL P = 9000 ppm<br>NOAEL F1 = 3000 ppm<br>NOAEL F2 = 3000 ppm | Two<br>generation<br>study<br>inhalation:<br>vapour | 10 w             | rat     | OECD Guideline 416 (Two-<br>Generation Reproduction<br>Toxicity Study) |

## Repeated dose toxicity

| Hazardous components<br>CAS-No.                             | Result               | Route of<br>application | Exposure time /<br>Frequency of<br>treatment | Species | Method                                                                                     |
|-------------------------------------------------------------|----------------------|-------------------------|----------------------------------------------|---------|--------------------------------------------------------------------------------------------|
| Hydrocarbons, C6,<br>isoalkanes, <5% n-hexane<br>64742-49-0 | NOAEL=10,504<br>mg/l | inhalation:<br>vapour   | 13 weeks 6 h/d, 5<br>d/week                  | rat     | equivalent or similar to OECD<br>Guideline 413 (Subchronic<br>Inhalation Toxicity: 90-Day) |
| Ethyl acetate<br>141-78-6                                   | NOAEL=900<br>mg/kg   | oral: gavage            | 90 ddaily                                    | rat     | EPA OTS 795.2600<br>(Subchronic Oral Toxicity<br>Test)                                     |
| n-Hexane<br>110-54-3                                        | NOAEL=568<br>mg/kg   | oral: gavage            | 90 d5 d/w                                    | rat     | not specified                                                                              |
| n-Hexane<br>110-54-3                                        | NOAEL=500 ppm        | inhalation:<br>vapour   | 90 d6 h/d; 5 d/w                             | mouse   | OECD Guideline 413<br>(Subchronic Inhalation<br>Toxicity: 90-Day)                          |

## SECTION 12: Ecological information

### General ecological information:

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

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## 12.1. Toxicity

| Hazardous components CAS-No.                          | Value type | Value         | Acute Toxicity Study | Exposure time | Species                                                               | Method                                                             |
|-------------------------------------------------------|------------|---------------|----------------------|---------------|-----------------------------------------------------------------------|--------------------------------------------------------------------|
| Hydrocarbons, C6, isoalkanes, <5% n-hexane 64742-49-0 | LC50       | > 1 - 10 mg/l | Fish                 |               |                                                                       | OECD Guideline 203 (Fish, Acute Toxicity Test)                     |
| Hydrocarbons, C6, isoalkanes, <5% n-hexane 64742-49-0 | EC50       | 3 mg/l        | Daphnia              | 48 h          | Daphnia magna                                                         | OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test)         |
| Hydrocarbons, C6, isoalkanes, <5% n-hexane 64742-49-0 | EC50       | > 1 - 10 mg/l | Algae                |               |                                                                       | OECD Guideline 201 (Alga, Growth Inhibition Test)                  |
| Ethyl acetate 141-78-6                                | LC50       | 220 mg/l      | Fish                 | 96 h          | Pimephales promelas                                                   | other guideline:                                                   |
| Ethyl acetate 141-78-6                                | EC50       | 164 mg/l      | Daphnia              | 48 h          | Daphnia cucullata                                                     | OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test)         |
| Ethyl acetate 141-78-6                                | EC50       | > 2.000 mg/l  | Algae                | 96 h          | Selenastrum capricornutum (new name: Pseudokirchneriella subcapitata) | OECD Guideline 201 (Alga, Growth Inhibition Test)                  |
|                                                       | NOEC       | 2.000 mg/l    | Algae                | 96 h          | Selenastrum capricornutum (new name: Pseudokirchneriella subcapitata) | OECD Guideline 201 (Alga, Growth Inhibition Test)                  |
| Ethyl acetate 141-78-6                                | EC10       | 2.900 mg/l    | Bacteria             | 18 h          | Pseudomonas putida                                                    | DIN 38412, part 8 (Pseudomonas Zellvermehrungshe mm-Test)          |
| Ethyl acetate 141-78-6                                | NOEC       | 2,4 mg/l      | chronic Daphnia      | 21 d          | Daphnia magna                                                         | OECD 211 (Daphnia magna, Reproduction Test)                        |
| n-Hexane 110-54-3                                     | LC50       | > 1 - 10 mg/l | Fish                 | 96 h          | not specified                                                         | OECD Guideline 203 (Fish, Acute Toxicity Test)                     |
| n-Hexane 110-54-3                                     | EC50       | 2,1 mg/l      | Daphnia              | 48 h          | Daphnia magna                                                         | OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test)         |
| n-Hexane 110-54-3                                     | EC50       | > 1 - 10 mg/l | Algae                | 72 h          | not specified                                                         | OECD Guideline 201 (Alga, Growth Inhibition Test)                  |
| n-Hexane 110-54-3                                     | EC50       | > 1 - 10 mg/l | Bacteria             | 3 h           | not specified                                                         | OECD Guideline 209 (Activated Sludge, Respiration Inhibition Test) |

## 12.2. Persistence and degradability

| Hazardous components CAS-No.                          | Result                | Route of application | Degradability | Method                                                                      |
|-------------------------------------------------------|-----------------------|----------------------|---------------|-----------------------------------------------------------------------------|
| Hydrocarbons, C6, isoalkanes, <5% n-hexane 64742-49-0 | readily biodegradable | aerobic              | 98 %          | OECD Guideline 301 F (Ready Biodegradability: Manometric Respirometry Test) |
| Ethyl acetate 141-78-6                                | readily biodegradable | aerobic              | 100 %         | OECD Guideline 301 D (Ready Biodegradability: Closed Bottle Test)           |
| n-Hexane 110-54-3                                     | readily biodegradable | aerobic              | 81 %          | OECD Guideline 301 F (Ready Biodegradability: Manometric Respirometry Test) |

## 12.3. Bioaccumulative potential / 12.4. Mobility in soil

| Hazardous components CAS-No. | LogPow | Bioconcentration factor (BCF) | Exposure time | Species | Temperature | Method |
|------------------------------|--------|-------------------------------|---------------|---------|-------------|--------|
|------------------------------|--------|-------------------------------|---------------|---------|-------------|--------|



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|                                                          |         |    |     |                             |                  |                                                                                                                        |
|----------------------------------------------------------|---------|----|-----|-----------------------------|------------------|------------------------------------------------------------------------------------------------------------------------|
| Hydrocarbons, C6, isoalkanes, <5% n-hexane<br>64742-49-0 | 4 - 5,7 |    |     |                             |                  | OECD Guideline 107<br>(Partition Coefficient (n-octanol / water), Shake<br>Flask Method)                               |
| Ethyl acetate<br>141-78-6<br>Ethyl acetate<br>141-78-6   | 0,68    | 30 | 3 d | Leuciscus idus<br>melanotus | 22,5 °C<br>25 °C | other guideline:<br><br>EPA OPPTS 830.7560<br>(Partition Coefficient, n-<br>octanol / H2O, Generator<br>Column Method) |
| n-Hexane<br>110-54-3                                     | 4       |    |     |                             | 20 °C            | other guideline:                                                                                                       |

## 12.5. Results of PBT and vPvB assessment

| Hazardous components<br>CAS-No.                          | PBT/vPvB                                                                                                              |
|----------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|
| Hydrocarbons, C6, isoalkanes, <5% n-hexane<br>64742-49-0 | Not fulfilling Persistent, Bioaccumulative and Toxic (PBT), very Persistent and very Bioaccumulative (vPvB) criteria. |
| Ethyl acetate<br>141-78-6                                | Not fulfilling Persistent, Bioaccumulative and Toxic (PBT), very Persistent and very Bioaccumulative (vPvB) criteria. |
| n-Hexane<br>110-54-3                                     | Not fulfilling Persistent, Bioaccumulative and Toxic (PBT), very Persistent and very Bioaccumulative (vPvB) criteria. |

## 12.6. 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

080409

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## SECTION 14: Transport information

### 14.1. UN number

|      |      |
|------|------|
| ADR  | 3175 |
| RID  | 3175 |
| ADN  | 3175 |
| IMDG | 3175 |
| IATA | 3175 |

### 14.2. UN proper shipping name

|      |                                                                      |
|------|----------------------------------------------------------------------|
| ADR  | SOLIDS CONTAINING FLAMMABLE LIQUID, N.O.S. (Ethyl acetate,petroleum) |
| RID  | SOLIDS CONTAINING FLAMMABLE LIQUID, N.O.S. (Ethyl acetate,petroleum) |
| ADN  | SOLIDS CONTAINING FLAMMABLE LIQUID, N.O.S. (Ethyl acetate,petroleum) |
| IMDG | SOLIDS CONTAINING FLAMMABLE LIQUID, N.O.S. (Ethyl acetate,petroleum) |
| IATA | Solids containing flammable liquid, n.o.s. (Ethyl acetate,petroleum) |

### 14.3. Transport hazard class(es)

|      |     |
|------|-----|
| ADR  | 4.1 |
| RID  | 4.1 |
| ADN  | 4.1 |
| IMDG | 4.1 |
| IATA | 4.1 |

### 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  | not applicable<br>Tunnelcode: (E) |
| RID  | not applicable                    |
| ADN  | not applicable                    |
| IMDG | not applicable                    |
| IATA | not applicable                    |

### 14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

not applicable

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## SECTION 15: Regulatory information

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

No information available:

|                                                                 |                |
|-----------------------------------------------------------------|----------------|
| 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 |

### 15.2. Chemical safety assessment

A chemical safety assessment has 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.
- H304 May be fatal if swallowed and enters airways.
- H315 Causes skin irritation.
- H319 Causes serious eye irritation.
- H336 May cause drowsiness or dizziness.
- H361f Suspected of damaging fertility.
- H373 May cause damage to organs through prolonged or repeated exposure.
- H411 Toxic to aquatic life with long lasting effects.

### 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.

This Safety Data Sheet has been generated based on Regulation (EC) No 1907/2006 and it is applicable for Gulf Cooperation Council (GCC) and Africa only. No warranty or representation of any kind is given as to compliance with any statutory laws or regulations of any other jurisdiction or territory, including export laws and regulations. Please confirm that the information provided herein conforms to the substantive export or other law of any other jurisdiction prior to export. Please contact Henkel Product Safety and Regulatory affairs for additional assistance.

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**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.**

## Annex - Exposure Scenarios:

Exposure Scenarios for ethyl acetate can be downloaded under the following link:  
<https://mysds.henkel.com/index.html#/appSelection>