


## KRAFT JOINT PU 25



### SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

- 1.1 Product identifier:** KRAFT JOINT PU 25  
**Other means of identification:** JC60909000016, JC60909000017  
HS number: 32149000
- 1.2 Relevant identified uses of the substance or mixture and uses advised against:**  
Relevant uses: Sealant  
Uses advised against: All uses not specified in this section or in section 7.3
- 1.3 Details of the supplier of the safety data sheet:**  
DRUCKFARBEN HELLAS SA  
Megaridos Ave.  
193 00 Aspropyrgos (Attiki)  
Greece  
Tel. +30 210 5519500 - Fax +30 210 5519501  
psafety@druckfarben.gr
- 1.4 Emergency telephone number:** +30 210 77 93 777

### SECTION 2: HAZARDS IDENTIFICATION

- 2.1 Classification of the substance or mixture:**  
This product contains less than 1% respirable crystalline silica, so it does not require classification  
**CLP Regulation (EC) No 1272/2008:**  
Classification of this product has been carried out in accordance with CLP Regulation (EC) No 1272/2008.  
Acute Tox. 4: Acute toxicity, Category 4, H312+H332
- 2.2 Label elements:**  
**CLP Regulation (EC) No 1272/2008:**  
**Warning**  
  
**Hazard statements:**  
Acute Tox. 4: H312+H332 - Harmful in contact with skin or if inhaled.  
**Precautionary statements:**  
P101: If medical advice is needed, have product container or label at hand.  
P102: Keep out of reach of children.  
P261: Avoid breathing dust/fume/gas/mist/vapours/spray.  
P271: Use only outdoors or in a well-ventilated area.  
P280: Wear protective gloves/protective clothing/eye protection/face protection.  
P302+P352: IF ON SKIN: Wash with plenty of water.  
P304+P340: IF INHALED: Remove person to fresh air and keep comfortable for breathing.  
P501: Dispose of contents/container according to the separated collection system used in your municipality.  
**Substances that contribute to the classification**  
Xylene
- 2.3 Other hazards:**  
Product fails to meet PBT/vPvB criteria

### SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS \*\*

- 3.1 Substance:**  
Non-applicable
- 3.2 Mixture:**  
**Chemical description:** Mixture composed of polyurethane in solvents

\*\* Changes with regards to the previous version

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## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS \*\* (continued)

### Components:

In accordance with Annex II of Regulation (EC) No 1907/2006 (point 3), the product contains:

| Identification  | Chemical name/Classification  | Concentration                     |
|---|---|-----------------------------------|
| CAS: 25322-69-4<br>EC: 500-039-8<br>Index: Non-applicable<br>REACH: 01-2119493630-37-XXXX | <b>Propane-1,2-diol, propoxylated<sup>(1)</sup></b> Self-classified   | <b>10 - &lt;25 %</b><br>          |
|   | Regulation 1272/2008 Acute Tox. 4: H302 - Warning   |                                   |
| CAS: 1330-20-7<br>EC: 215-535-7<br>Index: 601-022-00-9<br>REACH: 01-2119488216-32-XXXX    | <b>Xylene<sup>(1)</sup></b> Self-classified   | <b>2,5 - &lt;10 %</b><br><br><br> |
|   | Regulation 1272/2008 Acute Tox. 4: H312+H332; Asp. Tox. 1: H304; Eye Irrit. 2: H319; Flam. Liq. 3: H226; Skin Irrit. 2: H315; STOT RE 2: H373; STOT SE 3: H335 - Danger               |                                   |
| CAS: 2530-83-8<br>EC: 219-784-2<br>Index: Non-applicable<br>REACH: 01-2119513212-58-XXXX  | <b>[3-(2,3-epoxypropoxy)propyl]trimethoxysilane<sup>(1)</sup></b> Self-classified   | <b>&lt;1 %</b><br>                |
|   | Regulation 1272/2008 Eye Dam. 1: H318 - Danger  |                                   |
| CAS: 52829-07-9<br>EC: 258-207-9<br>Index: Non-applicable<br>REACH: 01-2119537297-32-XXXX | <b>Bis(2,2,6,6-tetramethyl-4-piperidyl) sebacate<sup>(1)</sup></b> Self-classified  | <b>&lt;1 %</b><br><br>            |
|   | Regulation 1272/2008 Aquatic Acute 1: H400; Aquatic Chronic 2: H411; Eye Dam. 1: H318 - Danger  |                                   |
| CAS: 77-58-7<br>EC: 201-039-8<br>Index: 050-030-00-3<br>REACH: 01-2119496068-27-XXXX      | <b>Dibutyltin Dilaurate<sup>(1)</sup></b> Self-classified   | <b>&lt;1 %</b><br><br><br>        |
|   | Regulation 1272/2008 Aquatic Acute 1: H400; Aquatic Chronic 1: H410; Eye Irrit. 2: H319; Muta. 2: H341; Repr. 1B: H360; Skin Sens. 1: H317; STOT RE 1: H372; STOT SE 1: H370 - Danger |                                   |

<sup>(1)</sup> Voluntarily-listed substance failing to meet any of the criteria set out in Regulation (EU) No. 2015/830

To obtain more information on the hazards of the substances consult sections 11, 12 and 16.

\*\* Changes with regards to the previous version

## SECTION 4: FIRST AID MEASURES

### 4.1 Description of first aid measures:

The symptoms resulting from intoxication can appear after exposure, therefore, in case of doubt, seek medical attention for direct exposure to the chemical product or persistent discomfort, showing the SDS of this product.

#### By inhalation:

Remove the person affected from the area of exposure, provide with fresh air and keep at rest. In serious cases such as cardiorespiratory failure, artificial resuscitation techniques will be necessary (mouth to mouth resuscitation, cardiac massage, oxygen supply, etc.) requiring immediate medical assistance.

#### By skin contact:

Remove contaminated clothing and footwear, rinse skin or shower the person affected if appropriate with plenty of cold water and neutral soap. In serious cases see a doctor. If the product causes burns or freezing, clothing should not be removed as this could worsen the injury caused if it is stuck to the skin. If blisters form on the skin, these should never be burst as this will increase the risk of infection.

#### By eye contact:

Rinse eyes thoroughly with lukewarm water for at least 15 minutes. Do not allow the person affected to rub or close their eyes. If the injured person uses contact lenses, these should be removed unless they are stuck to the eyes, in which case this could cause further damage. In all cases, after cleaning, a doctor should be consulted as quickly as possible with the SDS of the product.

#### By ingestion/aspiration:

Do not induce vomiting, but if it does happen keep the head down to avoid aspiration. Keep the person affected at rest. Rinse out the mouth and throat, as they may have been affected during ingestion.

### 4.2 Most important symptoms and effects, both acute and delayed:

Acute and delayed effects are indicated in sections 2 and 11.

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

Non-applicable

## SECTION 5: FIREFIGHTING MEASURES

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### SECTION 5: FIREFIGHTING MEASURES (continued)

#### 5.1 Extinguishing media:

##### Suitable extinguishing media:

Product is non-flammable under normal conditions of storage, manipulation and use, but the product contains flammable substances. In the case of inflammation as a result of improper manipulation, storage or use preferably use polyvalent powder extinguishers (ABC powder), in accordance with the Regulation on fire protection systems.

##### Unsuitable extinguishing media:

IT IS RECOMMENDED NOT to use full jet water as an extinguishing agent.

#### 5.2 Special hazards arising from the substance or mixture:

As a result of combustion or thermal decomposition reactive sub-products are created that can become highly toxic and, consequently, can present a serious health risk.

#### 5.3 Advice for firefighters:

Depending on the magnitude of the fire it may be necessary to use full protective clothing and self-contained breathing apparatus (SCBA). Minimum emergency facilities and equipment should be available (fire blankets, portable first aid kit,...) in accordance with Directive 89/654/EC.

##### Additional provisions:

Act in accordance with the Internal Emergency Plan and the Information Sheets on actions to take after an accident or other emergencies. Eliminate all sources of ignition. In case of fire, cool the storage containers and tanks for products susceptible to combustion, explosion or BLEVE as a result of high temperatures. Avoid spillage of the products used to extinguish the fire into an aqueous medium.

### SECTION 6: ACCIDENTAL RELEASE MEASURES

#### 6.1 Personal precautions, protective equipment and emergency procedures:

Sweep up and shovel product or collect by other means and place in container for reuse (preferred) or disposal

#### 6.2 Environmental precautions:

Avoid spillage into the aquatic environment as it contains substances potentially dangerous for this. Contain the product absorbed in hermetically sealed containers. In the case of serious spillage into the aquatic environment notify the relevant authority.

#### 6.3 Methods and material for containment and cleaning up:

It is recommended:

Sweep up and shovel product or collect by other means and place in container for reuse (preferred) or disposal

#### 6.4 Reference to other sections:

See sections 8 and 13.

### SECTION 7: HANDLING AND STORAGE

#### 7.1 Precautions for safe handling:

A.- Precautions for safe manipulation

Comply with the current legislation concerning the prevention of industrial risks. Keep containers hermetically sealed. Control spills and residues, destroying them with safe methods (section 6). Avoid leakages from the container. Maintain order and cleanliness where dangerous products are used.

B.- Technical recommendations for the prevention of fires and explosions

Due to its inflammable nature, the product does not present a fire risk under normal conditions of storage, handling and use.

C.- Technical recommendations to prevent ergonomic and toxicological risks

Do not eat or drink during the process, washing hands afterwards with suitable cleaning products.

D.- Technical recommendations to prevent environmental risks

Sweep up and shovel product or collect by other means and place in container for reuse (preferred) or disposal See sections 8 and 13.

#### 7.2 Conditions for safe storage, including any incompatibilities:

A.- Technical measures for storage

Minimum Temp.: 5 °C

Maximum Temp.: 30 °C

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#### SECTION 7: HANDLING AND STORAGE (continued)

Maximum time: 12 Months

B.- General conditions for storage

Avoid sources of heat, radiation, static electricity and contact with food. For additional information see subsection 10.5

#### 7.3 Specific end use(s):

Except for the instructions already specified it is not necessary to provide any special recommendation regarding the uses of this product.

#### SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

##### 8.1 Control parameters:

Substances whose occupational exposure limits have to be monitored in the workplace (European OEL, not country-specific legislation):

Directive (EU) 2000/39, Directive 2004/37/EC, Directive (EU) 2006/15, Directive (EU) 2009/161, Directive (EU) 2017/164, Directive (EU) 2019/1831:

| Identification                         | Occupational exposure limits |         |                       |
|--|------------------------------|---------|-----------------------|
| Xylene<br>CAS: 1330-20-7 EC: 215-535-7 | IOELV (8h)                   | 50 ppm  | 221 mg/m <sup>3</sup> |
|  | IOELV (STEL)                 | 100 ppm | 442 mg/m <sup>3</sup> |

Nuisance dust: Inhalable dust 10 mg/m<sup>3</sup> // Respirable dust 4 mg/m<sup>3</sup>

##### DNEL (Workers):

| Identification  |            | Short exposure          |                       | Long exposure          |                       |
|---|------------|-------------------------|-----------------------|------------------------|-----------------------|
|   |            | Systemic                | Local                 | Systemic               | Local                 |
| Propane-1,2-diol, propoxylated<br>CAS: 25322-69-4<br>EC: 500-039-8                | Oral       | Non-applicable          | Non-applicable        | Non-applicable         | Non-applicable        |
|   | Dermal     | Non-applicable          | Non-applicable        | 84 mg/kg               | Non-applicable        |
|   | Inhalation | Non-applicable          | Non-applicable        | Non-applicable         | 10 mg/m <sup>3</sup>  |
| Xylene<br>CAS: 1330-20-7<br>EC: 215-535-7   | Oral       | Non-applicable          | Non-applicable        | Non-applicable         | Non-applicable        |
|   | Dermal     | Non-applicable          | Non-applicable        | 212 mg/kg              | Non-applicable        |
|   | Inhalation | 442 mg/m <sup>3</sup>   | 442 mg/m <sup>3</sup> | 221 mg/m <sup>3</sup>  | 221 mg/m <sup>3</sup> |
| [3-(2,3-epoxypropoxy)propyl]trimethoxysilane<br>CAS: 2530-83-8<br>EC: 219-784-2   | Oral       | Non-applicable          | Non-applicable        | Non-applicable         | Non-applicable        |
|   | Dermal     | Non-applicable          | Non-applicable        | 10 mg/kg               | Non-applicable        |
|   | Inhalation | Non-applicable          | Non-applicable        | 70,5 mg/m <sup>3</sup> | Non-applicable        |
| Bis(2,2,6,6-tetramethyl-4-piperidyl) sebacate<br>CAS: 52829-07-9<br>EC: 258-207-9 | Oral       | Non-applicable          | Non-applicable        | Non-applicable         | Non-applicable        |
|   | Dermal     | Non-applicable          | Non-applicable        | 0,5 mg/kg              | Non-applicable        |
|   | Inhalation | Non-applicable          | Non-applicable        | 0,68 mg/m <sup>3</sup> | Non-applicable        |
| Dibutyltin Dilaurate<br>CAS: 77-58-7<br>EC: 201-039-8                             | Oral       | Non-applicable          | Non-applicable        | Non-applicable         | Non-applicable        |
|   | Dermal     | 2,08 mg/kg              | Non-applicable        | 0,43 mg/kg             | Non-applicable        |
|   | Inhalation | 0,059 mg/m <sup>3</sup> | Non-applicable        | 0,02 mg/m <sup>3</sup> | Non-applicable        |

##### DNEL (General population):

| Identification  |            | Short exposure        |                       | Long exposure          |                        |
|---|------------|-----------------------|-----------------------|------------------------|------------------------|
|   |            | Systemic              | Local                 | Systemic               | Local                  |
| Propane-1,2-diol, propoxylated<br>CAS: 25322-69-4<br>EC: 500-039-8                | Oral       | Non-applicable        | Non-applicable        | 24 mg/kg               | Non-applicable         |
|   | Dermal     | Non-applicable        | Non-applicable        | 51 mg/kg               | Non-applicable         |
|   | Inhalation | Non-applicable        | Non-applicable        | Non-applicable         | 10 mg/m <sup>3</sup>   |
| Xylene<br>CAS: 1330-20-7<br>EC: 215-535-7   | Oral       | Non-applicable        | Non-applicable        | 12,5 mg/kg             | Non-applicable         |
|   | Dermal     | Non-applicable        | Non-applicable        | 125 mg/kg              | Non-applicable         |
|   | Inhalation | 260 mg/m <sup>3</sup> | 260 mg/m <sup>3</sup> | 65,3 mg/m <sup>3</sup> | 65,3 mg/m <sup>3</sup> |
| [3-(2,3-epoxypropoxy)propyl]trimethoxysilane<br>CAS: 2530-83-8<br>EC: 219-784-2   | Oral       | Non-applicable        | Non-applicable        | 5 mg/kg                | Non-applicable         |
|   | Dermal     | Non-applicable        | Non-applicable        | 5 mg/kg                | Non-applicable         |
|   | Inhalation | Non-applicable        | Non-applicable        | 17 mg/m <sup>3</sup>   | Non-applicable         |
| Bis(2,2,6,6-tetramethyl-4-piperidyl) sebacate<br>CAS: 52829-07-9<br>EC: 258-207-9 | Oral       | Non-applicable        | Non-applicable        | 0,05 mg/kg             | Non-applicable         |
|   | Dermal     | Non-applicable        | Non-applicable        | 0,25 mg/kg             | Non-applicable         |
|   | Inhalation | Non-applicable        | Non-applicable        | 0,17 mg/m <sup>3</sup> | Non-applicable         |

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#### SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

| Identification       |            | Short exposure         |                | Long exposure           |                |
|----------------------|------------|------------------------|----------------|-------------------------|----------------|
|                      |            | Systemic               | Local          | Systemic                | Local          |
| Dibutyltin Dilaurate | Oral       | 0,02 mg/kg             | Non-applicable | 0,003 mg/kg             | Non-applicable |
| CAS: 77-58-7         | Dermal     | 0,5 mg/kg              | Non-applicable | 0,16 mg/kg              | Non-applicable |
| EC: 201-039-8        | Inhalation | 0,04 mg/m <sup>3</sup> | Non-applicable | 0,005 mg/m <sup>3</sup> | Non-applicable |

#### PNEC:



| Identification  |              |                |                         |              |  |
|---|--------------|----------------|-------------------------|--------------|--|
| Propane-1,2-diol, propoxylated<br>CAS: 25322-69-4<br>EC: 500-039-8                | STP          | 100 mg/L       | Fresh water             | 0,1 mg/L     |  |
|   | Soil         | 0,109 mg/kg    | Marine water            | 0,01 mg/L    |  |
|   | Intermittent | 1 mg/L         | Sediment (Fresh water)  | 0,765 mg/kg  |  |
|   | Oral         | Non-applicable | Sediment (Marine water) | 0,0765 mg/kg |  |
| Xylene<br>CAS: 1330-20-7<br>EC: 215-535-7   | STP          | 6,58 mg/L      | Fresh water             | 0,327 mg/L   |  |
|   | Soil         | 2,31 mg/kg     | Marine water            | 0,327 mg/L   |  |
|   | Intermittent | 0,327 mg/L     | Sediment (Fresh water)  | 12,46 mg/kg  |  |
|   | Oral         | Non-applicable | Sediment (Marine water) | 12,46 mg/kg  |  |
| [3-(2,3-epoxypropoxy)propyl]trimethoxysilane<br>CAS: 2530-83-8<br>EC: 219-784-2   | STP          | 8,2 mg/L       | Fresh water             | 0,45 mg/L    |  |
|   | Soil         | 0,063 mg/kg    | Marine water            | 0,045 mg/L   |  |
|   | Intermittent | 0,45 mg/L      | Sediment (Fresh water)  | 1,6 mg/kg    |  |
|   | Oral         | Non-applicable | Sediment (Marine water) | 0,16 mg/kg   |  |
| Bis(2,2,6,6-tetramethyl-4-piperidyl) sebacate<br>CAS: 52829-07-9<br>EC: 258-207-9 | STP          | 1 mg/L         | Fresh water             | 0,019 mg/L   |  |
|   | Soil         | 5,9 mg/kg      | Marine water            | 0,002 mg/L   |  |
|   | Intermittent | 0,007 mg/L     | Sediment (Fresh water)  | 29 mg/kg     |  |
|   | Oral         | Non-applicable | Sediment (Marine water) | 2,9 mg/kg    |  |
| Dibutyltin Dilaurate<br>CAS: 77-58-7<br>EC: 201-039-8                             | STP          | 100 mg/L       | Fresh water             | 0 mg/L       |  |
|   | Soil         | 0,041 mg/kg    | Marine water            | 0 mg/L       |  |
|   | Intermittent | 0,005 mg/L     | Sediment (Fresh water)  | 0,05 mg/kg   |  |
|   | Oral         | 0,0002 g/kg    | Sediment (Marine water) | 0,005 mg/kg  |  |

#### 8.2 Exposure controls:



##### A.- General security and hygiene measures in the work place

As a preventative measure it is recommended to use basic Personal Protective Equipment, with the corresponding <<CE marking>> in accordance with Regulation (EU) 2016/425. For more information on Personal Protective Equipment (storage, use, cleaning, maintenance, class of protection,...) consult the information leaflet provided by the manufacturer. For more information see subsection 7.1. All information contained herein is a recommendation which needs some specification from the labour risk prevention services as it is not known whether the company has additional measures at its disposal.

##### B.- Respiratory protection

| Pictogram   | PPE  | Labelling   | CEN Standard                               | Remarks   |
|---|--|---|--|---|
| <br>Mandatory respiratory tract protection | Filter mask for gases, vapours and particles |  | EN 149:2001+A1:2009<br>EN 405:2002+A1:2010 | Replace when an increase in resistance to breathing is observed and/or a smell or taste of the contaminant is detected. |

##### C.- Specific protection for the hands

| Pictogram  | PPE                                       | Labelling   | CEN Standard  | Remarks  |
|--|---|---|---|--|
| <br>Mandatory hand protection | NON-disposable chemical protective gloves |  | EN ISO 374-1:2016+A1:2018<br>EN 16523-1:2015+A1:2018<br>EN 420:2004+A1:2010 | The Breakthrough Time indicated by the manufacturer must exceed the period during which the product is being used. Do not use protective creams after the product has come into contact with skin. |

As the product is a mixture of several substances, the resistance of the glove material can not be calculated in advance with total reliability and has therefore to be checked prior to the application.

##### D.- Ocular and facial protection

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#### SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

| Pictogram  | PPE         | Labelling   | CEN Standard  | Remarks   |
|--|-------------|---|---|---|
| <br>Mandatory face protection | Face shield |  | EN 166:2002<br>EN 167:2002<br>EN 168:2002<br>EN ISO 4007:2018 | Clean daily and disinfect periodically according to the manufacturer's instructions. Use if there is a risk of splashing. |

#### E.- Body protection

| Pictogram   | PPE   | Labelling   | CEN Standard   | Remarks   |
|---|---|---|--|---|
| <br>Mandatory complete body protection | Disposable clothing for protection against chemical risks |  | EN 13034:2005+A1:2009<br>EN 168:2002<br>EN ISO 13982-1:2004/A1:2010<br>EN ISO 6529:2013<br>EN ISO 6530:2005<br>EN 464:1994 | For professional use only. Clean periodically according to the manufacturer's instructions. |
| <br>Mandatory foot protection          | Safety footwear for protection against chemical risk      |  | EN ISO 20345:2011<br>EN 13832-1:2019   | Replace boots at any sign of deterioration.   |

#### F.- Additional emergency measures

| Emergency measure  | Standards                                       | Emergency measure   | Standards                                      |
|--|---|---|--|
| <br>Emergency shower | ANSI Z358-1<br>ISO 3864-1:2011, ISO 3864-4:2011 | <br>Eyewash stations | DIN 12 899<br>ISO 3864-1:2011, ISO 3864-4:2011 |

#### Environmental exposure controls:

In accordance with the community legislation for the protection of the environment it is recommended to avoid environmental spillage of both the product and its container. For additional information see subsection 7.1.D

#### Volatile organic compounds:

With regard to Directive 2010/75/EU, this product has the following characteristics:

|                           |                |
|---------------------------|----------------|
| V.O.C. (Supply):          | 9 % weight     |
| V.O.C. density at 20 °C:  | Non-applicable |
| Average carbon number:    | 8              |
| Average molecular weight: | 106,2 g/mol    |

#### SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

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

For complete information see the product datasheet.

##### Appearance:

|                          |                                |
|--------------------------|--------------------------------|
| Physical state at 20 °C: | Solid                          |
| Appearance:              | Paste                          |
| Colour:                  | <input type="checkbox"/> White |
| Odour:                   | Aromatic                       |
| Odour threshold:         | Non-applicable *               |

##### Volatility:

|  |                  |
|--|------------------|
| Boiling point at atmospheric pressure: | Non-applicable * |
| Vapour pressure at 20 °C:              | Non-applicable * |
| Vapour pressure at 50 °C:              | Non-applicable * |
| Evaporation rate at 20 °C:             | Non-applicable * |

##### Product description:

\*Not relevant due to the nature of the product, not providing information property of its hazards.

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#### SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES (continued)

|  |   |
|--|---|
| Density at 20 °C:                            | Non-applicable *                                |
| Relative density at 20 °C:                   | 1,25  |
| Dynamic viscosity at 20 °C:                  | Non-applicable *                                |
| Kinematic viscosity at 20 °C:                | Non-applicable *                                |
| Kinematic viscosity at 40 °C:                | >20,5 cSt                                       |
| Concentration:                               | Non-applicable *                                |
| pH:  | Non-applicable *                                |
| Vapour density at 20 °C:                     | Non-applicable *                                |
| Partition coefficient n-octanol/water 20 °C: | Non-applicable *                                |
| Solubility in water at 20 °C:                |   |
| Solubility properties:                       | Insoluble in water, soluble in organic solvents |
| Decomposition temperature:                   | Non-applicable *                                |
| Melting point/freezing point:                | Non-applicable *                                |
| Explosive properties:                        | Non-applicable *                                |
| Oxidising properties:                        | Non-applicable *                                |
| <b>Flammability:</b>                         |   |
| Flash Point:                                 | Non-applicable                                  |
| Heat of combustion:                          | Non-applicable *                                |
| Flammability (solid, gas):                   | Non-applicable *                                |
| Autoignition temperature:                    | 400 °C  |
| Lower flammability limit:                    | Non-applicable *                                |
| Upper flammability limit:                    | Non-applicable *                                |
| <b>Explosive:</b>                            |   |
| Lower explosive limit:                       | Non-applicable *                                |
| Upper explosive limit:                       | Non-applicable *                                |
| <b>9.2 Other information:</b>                |   |
| Surface tension at 20 °C:                    | Non-applicable *                                |
| Refraction index:                            | Non-applicable *                                |

\*Not relevant due to the nature of the product, not providing information property of its hazards.

#### SECTION 10: STABILITY AND REACTIVITY

##### 10.1 Reactivity:

No hazardous reactions are expected because the product is stable under recommended storage conditions. See section 7.

##### 10.2 Chemical stability:

Chemically stable under the conditions of storage, handling and use.

##### 10.3 Possibility of hazardous reactions:

Under the specified conditions, hazardous reactions that lead to excessive temperatures or pressure are not expected.

##### 10.4 Conditions to avoid:

Applicable for handling and storage at room temperature:

| Shock and friction | Contact with air | Increase in temperature | Sunlight   | Humidity       |
|--------------------|------------------|-------------------------|------------|----------------|
| Not applicable     | Not applicable   | Precaution              | Precaution | Not applicable |

##### 10.5 Incompatible materials:

| Acids              | Water          | Oxidising materials | Combustible materials | Others                        |
|--------------------|----------------|---------------------|-----------------------|-------------------------------|
| Avoid strong acids | Not applicable | Avoid direct impact | Not applicable        | Avoid alkalis or strong bases |

##### 10.6 Hazardous decomposition products:

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**KRAFT JOINT PU 25****SECTION 10: STABILITY AND REACTIVITY (continued)**

See subsection 10.3, 10.4 and 10.5 to find out the specific decomposition products. Depending on the decomposition conditions, complex mixtures of chemical substances can be released: carbon dioxide (CO<sub>2</sub>), carbon monoxide and other organic compounds.

**SECTION 11: TOXICOLOGICAL INFORMATION****11.1 Information on toxicological effects:**

The experimental information related to the toxicological properties of the product itself is not available

**Dangerous health implications:**

In case of exposure that is repetitive, prolonged or at concentrations higher than the recommended occupational exposure limits, adverse effects on health may result, depending on the means of exposure:

## A- Ingestion (acute effect):

- Acute toxicity : Based on available data, the classification criteria are not met, however, it contains substances classified as dangerous for consumption. For more information see section 3.
- Corrosivity/Irritability: Based on available data, the classification criteria are not met. However, it does contain substances classified as dangerous for this effect. For more information see section 3.

## B- Inhalation (acute effect):

- Acute toxicity : Exposure in high concentration can interfere with the central nervous system causing headache, dizziness, vertigo, nausea, vomiting, confusion, and in serious cases, loss of consciousness.
- Corrosivity/Irritability: Based on available data, the classification criteria are not met. However, it contains substances classified as dangerous for inhalation. For more information see section 3.

## C- Contact with the skin and the eyes (acute effect):

- Contact with the skin: Above all, may have harmful effects for health if the product is absorbed through the skin. For more information on the secondary effects of skin contact see section 2.
- Contact with the eyes: Based on available data, the classification criteria are not met. However, it does contain substances classified as dangerous for this effect. For more information see section 3.

## D- CMR effects (carcinogenicity, mutagenicity and toxicity to reproduction):

- Carcinogenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous for the effects mentioned. For more information see section 3.  
IARC: Xylene (3); Polyvinyl chloride (3); Carbon black (2B)
- Mutagenicity: Based on available data, the classification criteria are not met. However, it contains substances classified as dangerous with mutagenic effects. For more information see section 3.
- Reproductive toxicity: Based on available data, the classification criteria are not met. However, it does contain substances classified as dangerous for this effect. For more information see section 3.

## E- Sensitizing effects:

- Respiratory: Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous with sensitising effects. For more information see section 3.
- Cutaneous: Based on available data, the classification criteria are not met. However, it contains substances classified as dangerous with sensitising effects. For more information see section 3.

## F- Specific target organ toxicity (STOT) - single exposure:

Based on available data, the classification criteria are not met. However, it does contain substances which are classified as dangerous as a result of a single exposure. For more information see section 3.

## G- Specific target organ toxicity (STOT)-repeated exposure:

- Specific target organ toxicity (STOT)-repeated exposure: Based on available data, the classification criteria are not met. However, it does contain substances classified as dangerous for this effect. For more information see section 3.
- Skin: Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous for this effect. For more information see section 3.

## H- Aspiration hazard:

Based on available data, the classification criteria are not met. However, it does contain substances classified as dangerous for this effect. For more information see section 3.

**Other information:**

Non-applicable

**Specific toxicology information on the substances:**

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#### SECTION 11: TOXICOLOGICAL INFORMATION (continued)

| Identification  | Acute toxicity  |                       | Genus  |
|---|-----------------|-----------------------|--------|
| Xylene<br>CAS: 1330-20-7<br>EC: 215-535-7   | LD50 oral       | 2100 mg/kg            | Rat    |
|   | LD50 dermal     | 1100 mg/kg            | Rat    |
|   | LC50 inhalation | 1,5 mg/L (4 h) (ATEi) |        |
| Propane-1,2-diol, propoxylated<br>CAS: 25322-69-4<br>EC: 500-039-8                | LD50 oral       | 1000 mg/kg            | Rat    |
|   | LD50 dermal     | Non-applicable        |        |
|   | LC50 inhalation | Non-applicable        |        |
| [3-(2,3-epoxypropoxy)propyl]trimethoxysilane<br>CAS: 2530-83-8<br>EC: 219-784-2   | LD50 oral       | 8025 mg/kg            | Rat    |
|   | LD50 dermal     | 4250 mg/kg            | Rabbit |
|   | LC50 inhalation | Non-applicable        |        |
| Bis(2,2,6,6-tetramethyl-4-piperidyl) sebacate<br>CAS: 52829-07-9<br>EC: 258-207-9 | LD50 oral       | 3700 mg/kg            | Rat    |
|   | LD50 dermal     | Non-applicable        |        |
|   | LC50 inhalation | Non-applicable        |        |
| Dibutyltin Dilaurate<br>CAS: 77-58-7<br>EC: 201-039-8                             | LD50 oral       | 2071 mg/kg            | Rat    |
|   | LD50 dermal     | Non-applicable        |        |
|   | LC50 inhalation | Non-applicable        |        |

#### SECTION 12: ECOLOGICAL INFORMATION

The experimental information related to the eco-toxicological properties of the product itself is not available

##### 12.1 Toxicity:

| Identification  | Acute toxicity |                      | Species                         | Genus      |
|---|----------------|----------------------|---------------------------------|------------|
| Xylene<br>CAS: 1330-20-7<br>EC: 215-535-7   | LC50           | 13.5 mg/L (96 h)     | Oncorhynchus mykiss             | Fish       |
|   | EC50           | 3.4 mg/L (48 h)      | Ceriodaphnia dubia              | Crustacean |
|   | EC50           | 10 mg/L (72 h)       | Skeletonema costatum            | Algae      |
| [3-(2,3-epoxypropoxy)propyl]trimethoxysilane<br>CAS: 2530-83-8<br>EC: 219-784-2   | LC50           | 55 mg/L (96 h)       | Cyprinus carpio                 | Fish       |
|   | EC50           | 324 mg/L (48 h)      | Daphnia magna                   | Crustacean |
|   | EC50           | Non-applicable       |                                 |            |
| Bis(2,2,6,6-tetramethyl-4-piperidyl) sebacate<br>CAS: 52829-07-9<br>EC: 258-207-9 | LC50           | 5.3 mg/L (96 h)      | Oryzias latipes                 | Fish       |
|   | EC50           | 8.6 mg/L (48 h)      | Daphnia magna                   | Crustacean |
|   | EC50           | 0.7 mg/L (72 h)      | Pseudokirchneriella subcapitata | Algae      |
| Dibutyltin Dilaurate<br>CAS: 77-58-7<br>EC: 201-039-8                             | LC50           | >0.1 - 1 mg/L (96 h) |                                 | Fish       |
|   | EC50           | >0.1 - 1 mg/L (48 h) |                                 | Crustacean |
|   | EC50           | >0.1 - 1 mg/L (72 h) |                                 | Algae      |

##### 12.2 Persistence and degradability:

| Identification  | Degradability |                | Biodegradability |                |
|---|---------------|----------------|------------------|----------------|
| Xylene<br>CAS: 1330-20-7<br>EC: 215-535-7   | BOD5          | Non-applicable | Concentration    | Non-applicable |
|   | COD           | Non-applicable | Period           | 28 days        |
|   | BOD5/COD      | Non-applicable | % Biodegradable  | 88 %           |
| Bis(2,2,6,6-tetramethyl-4-piperidyl) sebacate<br>CAS: 52829-07-9<br>EC: 258-207-9 | BOD5          | Non-applicable | Concentration    | 20 mg/L        |
|   | COD           | Non-applicable | Period           | 28 days        |
|   | BOD5/COD      | Non-applicable | % Biodegradable  | 29 %           |
| Dibutyltin Dilaurate<br>CAS: 77-58-7<br>EC: 201-039-8                             | BOD5          | 0 g O2/g       | Concentration    | 100 mg/L       |
|   | COD           | Non-applicable | Period           | 28 days        |
|   | BOD5/COD      | Non-applicable | % Biodegradable  | 50 %           |

##### 12.3 Bioaccumulative potential:

| Identification  | Bioaccumulation potential |      |
|---|---------------------------|------|
| Xylene<br>CAS: 1330-20-7<br>EC: 215-535-7                                       | BCF                       | 9    |
|   | Pow Log                   | 2.77 |
|   | Potential                 | Low  |
| [3-(2,3-epoxypropoxy)propyl]trimethoxysilane<br>CAS: 2530-83-8<br>EC: 219-784-2 | BCF                       |      |
|   | Pow Log                   | 0.5  |
|   | Potential                 |      |

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#### SECTION 12: ECOLOGICAL INFORMATION (continued)

| Identification       | Bioaccumulation potential |          |
|----------------------|---------------------------|----------|
| Dibutyltin Dilaurate | BCF                       | 31       |
| CAS: 77-58-7         | Pow Log                   | 3.12     |
| EC: 201-039-8        | Potential                 | Moderate |

#### 12.4 Mobility in soil:

| Identification | Absorption/desorption |                | Volatility |                               |
|----------------|-----------------------|----------------|------------|-------------------------------|
| Xylene         | Koc                   | 202            | Henry      | 524,86 Pa·m <sup>3</sup> /mol |
| CAS: 1330-20-7 | Conclusion            | Moderate       | Dry soil   | Yes                           |
| EC: 215-535-7  | Surface tension       | Non-applicable | Moist soil | Yes                           |

#### 12.5 Results of PBT and vPvB assessment:

Product fails to meet PBT/vPvB criteria

#### 12.6 Other adverse effects:

Not described

#### SECTION 13: DISPOSAL CONSIDERATIONS

##### 13.1 Waste treatment methods:

| Code     | Description   | Waste class (Regulation (EU) No 1357/2014) |
|----------|---|--|
| 08 04 10 | waste adhesives and sealants other than those mentioned in 08 04 09 | Non dangerous                              |

##### Type of waste (Regulation (EU) No 1357/2014):

Non-applicable

##### Waste management (disposal and evaluation):

Consult the authorized waste service manager on the assessment and disposal operations in accordance with Annex 1 and Annex 2 (Directive 2008/98/EC). As under 15 01 (2014/955/EC) of the code and in case the container has been in direct contact with the product, it will be processed the same way as the actual product. Otherwise, it will be processed as non-dangerous residue. We do not recommend disposal down the drain. See paragraph 6.2.

##### Regulations related to waste management:

In accordance with Annex II of Regulation (EC) No 1907/2006 (REACH) the community or state provisions related to waste management are stated

Community legislation: Directive 2008/98/EC, 2014/955/EU, Regulation (EU) No 1357/2014

#### SECTION 14: TRANSPORT INFORMATION

This product is not regulated for transport (ADR/RID,IMDG,IATA)

#### SECTION 15: REGULATORY INFORMATION

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

Candidate substances for authorisation under the Regulation (EC) No 1907/2006 (REACH): Non-applicable

Substances included in Annex XIV of REACH ("Authorisation List") and sunset date: Non-applicable

Regulation (EC) No 1005/2009, about substances that deplete the ozone layer: Non-applicable

Article 95, REGULATION (EU) No 528/2012: Non-applicable

REGULATION (EU) No 649/2012, in relation to the import and export of hazardous chemical products: Contains Dibutyltin Dilaurate

##### Seveso III:

Non-applicable

**Limitations to commercialisation and the use of certain dangerous substances and mixtures (Annex XVII REACH, etc ....):**

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**KRAFT JOINT PU 25****SECTION 15: REGULATORY INFORMATION (continued)**

Contains Di-isononyl phthalate. 1. Shall not be used as substances or in mixtures, in concentrations greater than 0,1 % by weight of the plasticised material, in toys and childcare articles which can be placed in the mouth by children. 2. Such toys and childcare articles containing these phthalates in a concentration greater than 0,1 % by weight of the plasticised material shall not be placed on the market. 4. For the purpose of this entry 'childcare article' shall mean any product intended to facilitate sleep, relaxation, hygiene, the feeding of children or sucking on the part of children.

Occupational exposure to respirable crystalline silica must be controlled pursuant to Directive (EU) 2019/130.

**Specific provisions in terms of protecting people or the environment:**

It is recommended to use the information included in this safety data sheet as a basis for conducting workplace-specific risk assessments in order to establish the necessary risk prevention measures for the handling, use, storage and disposal of this product.

**Other legislation:**

The product could be affected by sectorial legislation

**15.2 Chemical safety assessment:**

The provider has carried out a chemical safety assessment

**SECTION 16: OTHER INFORMATION****Legislation related to safety data sheets:**

The SDS shall be supplied in an official language of the country where the product is placed on the market. This safety data sheet has been designed in accordance with ANNEX II-Guide to the compilation of safety data sheets of Regulation (EC) No 1907/2006 (Regulation (EC) No 2015/830).

**Modifications related to the previous Safety Data Sheet which concerns the ways of managing risks.:****COMPOSITION/INFORMATION ON INGREDIENTS (SECTION 3):**

- Removed substances
  - Calcium Carbonate (471-34-1)
  - Silicon dioxide (RCS < 1%) (7631-86-9)
  - Titanium dioxide (aerodynamic diameter  $\geq 10 \mu\text{m}$ ) (13463-67-7)
  - Aluminium hydroxide (21645-51-2)
  - Carbon black (1333-86-4)
  - Siloxanes and Silicones, di-Me, reaction products with silica (67762-90-7)
  - Pentaerythritol tetrakis(3-(3,5-di-tert-butyl-4-hydroxyphenyl)propionate) (6683-19-8)
  - Di-isononyl phthalate (28553-12-0)
  - Polyvinyl chloride (9002-86-2)

**Texts of the legislative phrases mentioned in section 2:**

H312+H332: Harmful in contact with skin or if inhaled.

**Texts of the legislative phrases mentioned in section 3:**

The phrases indicated do not refer to the product itself; they are present merely for informative purposes and refer to the individual components which appear in section 3

**CLP Regulation (EC) No 1272/2008:**

Acute Tox. 4: H302 - Harmful if swallowed.  
 Acute Tox. 4: H312+H332 - Harmful in contact with skin or if inhaled.  
 Aquatic Acute 1: H400 - Very toxic to aquatic life.  
 Aquatic Chronic 1: H410 - Very toxic to aquatic life with long lasting effects.  
 Aquatic Chronic 2: H411 - Toxic to aquatic life with long lasting effects.  
 Asp. Tox. 1: H304 - May be fatal if swallowed and enters airways.  
 Eye Dam. 1: H318 - Causes serious eye damage.  
 Eye Irrit. 2: H319 - Causes serious eye irritation.  
 Flam. Liq. 3: H226 - Flammable liquid and vapour.  
 Muta. 2: H341 - Suspected of causing genetic defects.  
 Repr. 1B: H360 - May damage fertility or the unborn child.  
 Skin Irrit. 2: H315 - Causes skin irritation.  
 Skin Sens. 1: H317 - May cause an allergic skin reaction.  
 STOT RE 1: H372 - Causes damage to organs through prolonged or repeated exposure. (Oral).  
 STOT RE 2: H373 - May cause damage to organs through prolonged or repeated exposure (Oral).  
 STOT SE 1: H370 - Causes damage to organs.  
 STOT SE 3: H335 - May cause respiratory irritation.

**Classification procedure:**

Acute Tox. 4: Calculation method

**Advice related to training:**

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#### SECTION 16: OTHER INFORMATION (continued)

Minimal training is recommended in order to prevent industrial risks for staff using this product and to facilitate their comprehension and interpretation of this safety data sheet, as well as the label on the product.

**Principal bibliographical sources:**

<http://echa.europa.eu>

<http://eur-lex.europa.eu>

**Abbreviations and acronyms:**

ADR: European agreement concerning the international carriage of dangerous goods by road

IMDG: International maritime dangerous goods code

IATA: International Air Transport Association

ICAO: International Civil Aviation Organisation

COD: Chemical Oxygen Demand

BOD5: 5-day biochemical oxygen demand

BCF: Bioconcentration factor

LD50: Lethal Dose 50

LC50: Lethal Concentration 50

EC50: Effective concentration 50

Log-POW: Octanol-water partition coefficient

Koc: Partition coefficient of organic carbon

The information contained in this safety data sheet is based on sources, technical knowledge and current legislation at European and state level, without being able to guarantee its accuracy. This information cannot be considered a guarantee of the properties of the product, it is simply a description of the security requirements. The occupational methodology and conditions for users of this product are not within our awareness or control, and it is ultimately the responsibility of the user to take the necessary measures to obtain the legal requirements concerning the manipulation, storage, use and disposal of chemical products. The information on this safety data sheet only refers to this product, which should not be used for needs other than those specified.

- END OF SAFETY DATA SHEET -