

## Safety Data Sheet

according to Regulation (EC) No 1907/2006

### 8701/N Thermal paste

Revision date: 08.05.2024

Product code: 50084

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

### 1.1. Product identifier

8701/N Thermal paste

UFI: 0XPF-H40E-Y004-TS66

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

#### Use of the substance/mixture

Heat transferring agent

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

Company name: Kisling (Deutschland) GmbH  
 Street: Salzstraße 15  
 Place: D-74676 Niedernhall  
 Telephone: +49 7940 50961 61  
 E-mail: customerservice@kisling.com  
 Contact person: Product Compliance Telephone: +49 7940 5096 143  
 E-mail: compliance@kisling.com  
 Internet: www.kisling.com

### 1.4. Emergency telephone number:

24 hr. emergency phone number +1 872 5888271 (KAR)  
 Medicines & Poisons Info Office +356 2545 6508

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

#### Regulation (EC) No 1272/2008

This mixture is not classified as hazardous in accordance with Regulation (EC) No 1272/2008.

### 2.2. Label elements

#### Regulation (EC) No 1272/2008

#### Special labelling of certain mixtures

EUH208 Contains Fatty acids, C18-unsaturated, trimers, combination with oleylamine, Fatty acids, tall oil, compounds with oleylamine. May produce an allergic reaction.  
 EUH210 Safety data sheet available on request.

### 2.3. Other hazards

No information available.

## SECTION 3: Composition/information on ingredients

### 3.2. Mixtures

#### Relevant ingredients

| CAS No      | Chemical name   | Quantity         |
|-------------|---|------------------|
|             | EC No   | Index No         |
|             |   | REACH No         |
|             | Classification (Regulation (EC) No 1272/2008)                                 |                  |
| 147900-93-4 | Fatty acids, C18-unsaturated, trimers, combination with oleylamine            | 0.1 - < 1 %      |
|             | 604-612-4   | 01-2119971821-33 |
|             | Acute Tox. 4, Skin Sens. 1, STOT RE 2, Aquatic Chronic 2; H302 H317 H373 H411 |                  |
| 85711-55-3  | Fatty acids, tall oil, compounds with oleylamine                              | < 0.1 %          |
|             | 288-315-1   | 01-2119974148-28 |
|             | Eye Dam. 1, Skin Sens. 1A, STOT RE 2; H318 H317 H373                          |                  |

Full text of H and EUH statements: see section 16.

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#### Specific Conc. Limits, M-factors and ATE

| CAS No      | EC No     | Chemical name  | Quantity    |
|-------------|-----------|--|-------------|
|             |           | Specific Conc. Limits, M-factors and ATE                           |             |
| 147900-93-4 | 604-612-4 | Fatty acids, C18-unsaturated, trimers, combination with oleylamine | 0.1 - < 1 % |
|             |           | oral: LD50 = >1570 mg/kg   |             |
| 85711-55-3  | 288-315-1 | Fatty acids, tall oil, compounds with oleylamine                   | < 0.1 %     |
|             |           | oral: LD50 = > 2000 mg/kg  |             |

#### SECTION 4: First aid measures

##### 4.1. Description of first aid measures

###### After inhalation

Provide fresh air. When in doubt or if symptoms are observed, get medical advice.

###### After contact with skin

After contact with skin, wash immediately with plenty of water and soap. Take off immediately all contaminated clothing and wash it before reuse. Medical treatment necessary.

###### After contact with eyes

Rinse immediately carefully and thoroughly with eye-bath or water. In case of eye irritation consult an ophthalmologist.

###### After ingestion

Observe risk of aspiration if vomiting occurs. Rinse mouth immediately and drink 1 glass of water.

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

No information available.

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

Treat symptomatically.

#### SECTION 5: Firefighting measures

##### 5.1. Extinguishing media

###### Suitable extinguishing media

Co-ordinate fire-fighting measures to the fire surroundings.

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

Non-flammable.

##### 5.3. Advice for firefighters

Wear a self-contained breathing apparatus and chemical protective clothing. Full protection suit.

##### Additional information

Suppress gases/vapours/mists with water spray jet. Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

#### SECTION 6: Accidental release measures

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

###### General advice

Provide adequate ventilation. Do not breathe gas/fumes/vapour/spray. Avoid contact with skin, eyes and clothes. Use personal protection equipment.

##### 6.2. Environmental precautions

Do not allow to enter into surface water or drains.

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

###### For cleaning up

Absorb with liquid-binding material (sand, diatomaceous earth, acid- or universal binding agents). Treat the

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recovered material as prescribed in the section on waste disposal.

#### 6.4. Reference to other sections

Safe handling: see section 7

Personal protection equipment: see section 8

Disposal: see section 13

### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

##### Advice on safe handling

No special measures are necessary.

##### Advice on protection against fire and explosion

No special fire protection measures are necessary.

##### Advice on general occupational hygiene

Remove contaminated, saturated clothing immediately. Draw up and observe skin protection programme. Wash hands and face before breaks and after work and take a shower if necessary. When using do not eat, drink, smoke, sniff.

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

##### Requirements for storage rooms and vessels

Keep container tightly closed.

##### Hints on joint storage

No special measures are necessary.

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

Resins (prepolymers)

### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

##### DNEL/DMEL values

| CAS No                   | Name of agent  | Exposure route | Effect   | Value              |
|--------------------------|--|----------------|----------|--------------------|
| 147900-93-4              | Fatty acids, C18-unsaturated, trimers, combination with oleylamine |                |          |                    |
| Worker DNEL, long-term   |  | dermal         | systemic | 0,024 mg/kg bw/day |
| Consumer DNEL, long-term |  | oral           | systemic | 0,012 mg/kg bw/day |
| Consumer DNEL, long-term |  | dermal         | systemic | 0,012 mg/kg bw/day |
| 85711-55-3               | Fatty acids, tall oil, compounds with oleylamine                   |                |          |                    |
| Consumer DNEL, long-term |  | oral           | systemic | 0,012 mg/kg bw/day |
| Worker DNEL, long-term   |  | dermal         | systemic | 0,024 mg/kg bw/day |
| Consumer DNEL, long-term |  | dermal         | systemic | 0,012 mg/kg bw/day |

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#### PNEC values

| CAS No                    | Name of agent  | Value       |
|---------------------------|--|-------------|
| Environmental compartment |  |             |
| 147900-93-4               | Fatty acids, C18-unsaturated, trimers, combination with oleylamine |             |
| Freshwater                |  | 0,006 mg/l  |
| Marine water              |  | 0,0006 mg/l |
| Freshwater sediment       |  | 2,46 mg/l   |
| Marine sediment           |  | 0,25 mg/l   |
| Secondary poisoning       |  | 0,47 mg/kg  |
| Soil                      |  | 0,28 mg/kg  |
| 85711-55-3                | Fatty acids, tall oil, compounds with oleylamine                   |             |
| Secondary poisoning       |  | 0,47 mg/kg  |

#### 8.2. Exposure controls



#### Individual protection measures, such as personal protective equipment

##### Eye/face protection

Wear eye protection/face protection.

##### Hand protection

When handling with chemical substances, protective gloves must be worn with the CE-label including the four control digits. The quality of the protective gloves resistant to chemicals must be chosen as a function of the specific working place concentration and quantity of hazardous substances. For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.

##### Skin protection

Use of protective clothing.

##### Respiratory protection

In case of inadequate ventilation wear respiratory protection.

### SECTION 9: Physical and chemical properties

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

|   |                |                |
|---|----------------|----------------|
| Physical state:   | Paste          |                |
| Colour:   | cream          |                |
| Odour:  | characteristic |                |
| Odour threshold:  | not determined |                |
| Melting point/freezing point:                             |                | not determined |
| Boiling point or initial boiling point and boiling range: |                | not determined |
| Flammability:   |                | not applicable |
| Lower explosion limits:                                   |                | not determined |
| Upper explosion limits:                                   |                | not determined |
| Flash point:  |                | >100 °C        |
| Auto-ignition temperature:                                |                | not determined |
| Decomposition temperature:                                |                | not determined |
| pH-Value:   |                | not determined |

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|  |  |
|--|--|
| Viscosity / kinematic:                 | not determined   |
| Water solubility:                      | The study does not need to be conducted because the substance is known to be insoluble in water. |
| Solubility in other solvents           |  |
| not determined                         |  |
| Partition coefficient n-octanol/water: | not determined   |
| Vapour pressure:                       | not determined   |
| Density (at 22 °C):                    | 2,25-2,55 g/cm <sup>3</sup>  |
| Relative vapour density:               | not determined   |
| Particle characteristics:              | not determined   |

#### 9.2. Other information

##### Information with regard to physical hazard classes

###### Explosive properties

The product is not: Explosive.

###### Oxidizing properties

The product is not: oxidising.

##### Other safety characteristics

###### Evaporation rate:

not determined

###### Solid content:

not determined

###### Viscosity / dynamic:

100000-150000 mPa·s

(at 22 °C)

## SECTION 10: Stability and reactivity

#### 10.1. Reactivity

No hazardous reaction when handled and stored according to provisions.

#### 10.2. Chemical stability

The product is stable under storage at normal ambient temperatures.

#### 10.3. Possibility of hazardous reactions

No known hazardous reactions.

#### 10.4. Conditions to avoid

none

#### 10.5. Incompatible materials

No information available.

#### 10.6. Hazardous decomposition products

No known hazardous decomposition products.

## SECTION 11: Toxicological information

#### 11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

##### Acute toxicity

Based on available data, the classification criteria are not met.

##### ATEmix calculated

ATE (oral) &gt; 2000 mg/kg; ATE (dermal) &gt; 2000 mg/kg; ATE (inhalation vapour) &gt; 20 mg/l; ATE (inhalation dust/mist) &gt; 5 mg/l

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| CAS No      | Chemical name  |                   |         |                           |                    |
|-------------|--|-------------------|---------|---------------------------|--------------------|
|             | Exposure route   | Dose              | Species | Source                    | Method             |
| 147900-93-4 | Fatty acids, C18-unsaturated, trimers, combination with oleylamine |                   |         |                           |                    |
|             | oral   | LD50 >1570 mg/kg  | Rat     | Pre-supplier/manufacturer | OECD 423           |
| 85711-55-3  | Fatty acids, tall oil, compounds with oleylamine                   |                   |         |                           |                    |
|             | oral   | LD50 > 2000 mg/kg | Rat     | Study report (2011)       | OECD Guideline 423 |

#### Irritation and corrosivity

Skin corrosion/irritation: Based on available data, the classification criteria are not met.

Serious eye damage/eye irritation: Based on available data, the classification criteria are not met.

#### Sensitising effects

Based on available data, the classification criteria are not met.

Contains Fatty acids, C18-unsaturated, trimers, combination with oleylamine, Fatty acids, tall oil, compounds with oleylamine. May produce an allergic reaction.

#### Carcinogenic/mutagenic/toxic effects for reproduction

Germ cell mutagenicity: Based on available data, the classification criteria are not met.

Carcinogenicity: Based on available data, the classification criteria are not met.

Reproductive toxicity: Based on available data, the classification criteria are not met.

#### STOT-single exposure

Based on available data, the classification criteria are not met.

#### STOT-repeated exposure

Based on available data, the classification criteria are not met.

#### Aspiration hazard

Based on available data, the classification criteria are not met.

#### 11.2. Information on other hazards

##### Endocrine disrupting properties

No information available.

#### Further information

The mixture is classified as hazardous according to regulation (EC) No 1272/2008 [CLP].

### SECTION 12: Ecological information

#### 12.1. Toxicity

Based on available data, the classification criteria are not met.

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| CAS No      | Chemical name  |                     |           |                                     |                           |          |
|-------------|--|---------------------|-----------|-------------------------------------|---------------------------|----------|
|             | Aquatic toxicity   | Dose                | [h]   [d] | Species                             | Source                    | Method   |
| 147900-93-4 | Fatty acids, C18-unsaturated, trimers, combination with oleylamine |                     |           |                                     |                           |          |
|             | Acute fish toxicity  | LL50 >100 mg/l      | 96 h      | Oncorhynchus mykiss (Rainbow trout) | Pre-supplier/manufacturer | OECD 203 |
|             | Acute crustacea toxicity   | EL50 >100 mg/l      | 48 h      | Daphnia magna (Big water flea)      | Pre-supplier/manufacturer | OECD 202 |
|             | Acute bacteria toxicity  | EC50 >1000 mg/l ( ) | 3 h       | Activated sludge                    | Pre-supplier/manufacturer | OECD 209 |
| 85711-55-3  | Fatty acids, tall oil, compounds with oleylamine                   |                     |           |                                     |                           |          |
|             | Acute fish toxicity  | LL50 >100 mg/l      | 96 h      | Oncorhynchus mykiss (Rainbow trout) | Pre-supplier/manufacturer | OECD 203 |
|             | Acute crustacea toxicity   | EL50 15,2 mg/l      | 48 h      | Daphnia magna (Big water flea)      | Pre-supplier/manufacturer | OECD 202 |
|             | Acute bacteria toxicity  | EC50 >1000 mg/l ( ) | 3 h       | Activated sludge                    | Pre-supplier/manufacturer | OECD 209 |

#### 12.2. Persistence and degradability

The product has not been tested.

| CAS No      | Chemical name  |       |    |                           |
|-------------|--|-------|----|---------------------------|
|             | Method   | Value | d  | Source                    |
|             | Evaluation   |       |    |                           |
| 147900-93-4 | Fatty acids, C18-unsaturated, trimers, combination with oleylamine |       |    |                           |
|             | OECD 301F, aerob   | 27%   | 28 | Pre-supplier/manufacturer |
|             | Moderately/partially biodegradable.                                |       |    |                           |
| 85711-55-3  | Fatty acids, tall oil, compounds with oleylamine                   |       |    |                           |
|             | OECD 301F, aerob   | 87%   | 28 | Pre-supplier/manufacturer |
|             | Readily biodegradable (according to OECD criteria).                |       |    |                           |

#### 12.3. Bioaccumulative potential

The product has not been tested.

#### Partition coefficient n-octanol/water

| CAS No      | Chemical name  | Log Pow |
|-------------|--|---------|
| 147900-93-4 | Fatty acids, C18-unsaturated, trimers, combination with oleylamine | >5,7    |
| 85711-55-3  | Fatty acids, tall oil, compounds with oleylamine                   | > 6,2   |

#### 12.4. Mobility in soil

The product has not been tested.

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

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

#### 12.6. Endocrine disrupting properties

This product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms as no components meets the criteria.

#### 12.7. Other adverse effects

No information available.

#### Further information

Avoid release to the environment.

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## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

#### Disposal recommendations

Do not allow to enter into surface water or drains. Dispose of waste according to applicable legislation.

#### List of Wastes Code - residues/unused products

080409 WASTES FROM THE MANUFACTURE, FORMULATION, SUPPLY AND USE (MFSU) OF COATINGS (PAINTS, VARNISHES AND VITREOUS ENAMELS), ADHESIVES, SEALANTS AND PRINTING INKS; wastes from MFSU of adhesives and sealants (including waterproofing products); waste adhesives and sealants containing organic solvents or other hazardous substances; hazardous waste

#### List of Wastes Code - used product

080409 WASTES FROM THE MANUFACTURE, FORMULATION, SUPPLY AND USE (MFSU) OF COATINGS (PAINTS, VARNISHES AND VITREOUS ENAMELS), ADHESIVES, SEALANTS AND PRINTING INKS; wastes from MFSU of adhesives and sealants (including waterproofing products); waste adhesives and sealants containing organic solvents or other hazardous substances; hazardous waste

#### Contaminated packaging

Wash with plenty of water. Completely emptied packages can be recycled.

## SECTION 14: Transport information

### Land transport (ADR/RID)

|  |  |
|--|--|
| <b>14.1. UN number or ID number:</b>     | No dangerous good in sense of this transport regulation. |
| <b>14.2. UN proper shipping name:</b>    | No dangerous good in sense of this transport regulation. |
| <b>14.3. Transport hazard class(es):</b> | No dangerous good in sense of this transport regulation. |
| <b>14.4. Packing group:</b>              | No dangerous good in sense of this transport regulation. |

### Inland waterways transport (ADN)

|  |  |
|--|--|
| <b>14.1. UN number or ID number:</b>     | No dangerous good in sense of this transport regulation. |
| <b>14.2. UN proper shipping name:</b>    | No dangerous good in sense of this transport regulation. |
| <b>14.3. Transport hazard class(es):</b> | No dangerous good in sense of this transport regulation. |
| <b>14.4. Packing group:</b>              | No dangerous good in sense of this transport regulation. |

### Marine transport (IMDG)

|  |  |
|--|--|
| <b>14.1. UN number or ID number:</b>     | No dangerous good in sense of this transport regulation. |
| <b>14.2. UN proper shipping name:</b>    | No dangerous good in sense of this transport regulation. |
| <b>14.3. Transport hazard class(es):</b> | No dangerous good in sense of this transport regulation. |
| <b>14.4. Packing group:</b>              | No dangerous good in sense of this transport regulation. |

### Air transport (ICAO-TI/IATA-DGR)

|  |  |
|--|--|
| <b>14.1. UN number or ID number:</b>     | No dangerous good in sense of this transport regulation. |
| <b>14.2. UN proper shipping name:</b>    | No dangerous good in sense of this transport regulation. |
| <b>14.3. Transport hazard class(es):</b> | No dangerous good in sense of this transport regulation. |
| <b>14.4. Packing group:</b>              | No dangerous good in sense of this transport regulation. |

### 14.5. Environmental hazards

ENVIRONMENTALLY HAZARDOUS: No

### 14.6. Special precautions for user

No dangerous good in sense of this transport regulation.

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

No dangerous good in sense of this transport regulation.



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## SECTION 15: Regulatory information

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

#### EU regulatory information

Restrictions on use (REACH, annex XVII):

Entry 75

Information according to Directive  
2012/18/EU (SEVESO III):

Not subject to 2012/18/EU (SEVESO III)

#### National regulatory information

Employment restrictions:

Observe restrictions to employment for juveniles according to the 'juvenile  
work protection guideline' (94/33/EC).

Water hazard class (D):

1 - slightly hazardous to water

### 15.2. Chemical safety assessment

Chemical safety assessments for substances in this mixture were not carried out.

## SECTION 16: Other information

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#### Abbreviations and acronyms

Acute Tox: Acute toxicity

Eye Dam: Eye damage

Skin Sens: Skin sensitisation

STOT RE: Specific target organ toxicity - repeated exposure

Aquatic Chronic: Chronic aquatic hazard

CLP: Classification, labelling and Packaging

REACH: Registration, Evaluation and Authorization of Chemicals

GHS: Globally Harmonised System of Classification, Labelling and Packaging of Chemicals

UN: United Nations

CAS: Chemical Abstracts Service

DNEL: Derived No Effect Level

DMEL: Derived Minimal Effect Level

PNEC: Predicted No Effect Concentration

ATE: Acute toxicity estimate

LC50: Lethal concentration, 50%

LD50: Lethal dose, 50%

LL50: Lethal loading, 50%

EL50: Effect loading, 50%

EC50: Effective Concentration 50%

ErC50: Effective Concentration 50%, growth rate

NOEC: No Observed Effect Concentration

BCF: Bio-concentration factor

PBT: persistent, bioaccumulative, toxic

vPvB: very persistent, very bioaccumulative

ADR: Accord européen sur le transport des marchandises dangereuses par Route  
(European Agreement concerning the International Carriage of Dangerous Goods by Road)

RID: Regulations concerning the international carriage of dangerous goods by rail

ADN: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways  
(Accord européen relatif au transport international des marchandises dangereuses par voies de navigation  
intérieures)

IMDG: International Maritime Code for Dangerous Goods

EmS: Emergency Schedules

MFAG: Medical First Aid Guide

IATA: International Air Transport Association

ICAO: International Civil Aviation Organization

MARPOL: International Convention for the Prevention of Marine Pollution from Ships

IBC: Intermediate Bulk Container

SVHC: Substance of Very High Concern

For abbreviations and acronyms, see: ECHA Guidance on information requirements and chemical safety  
assessment, chapter R.20 (Table of terms and abbreviations).

#### Relevant H and EUH statements (number and full text)

H302 Harmful if swallowed.

H317 May cause an allergic skin reaction.

H318 Causes serious eye damage.

H373 May cause damage to organs through prolonged or repeated exposure.

H411 Toxic to aquatic life with long lasting effects.

EUH208 Contains Fatty acids, C18-unsaturated, trimers, combination with oleylamine, Fatty acids,  
tall oil, compounds with oleylamine. May produce an allergic reaction.

EUH210 Safety data sheet available on request.

#### Further Information

The information is based on the present level of our knowledge. It does not, however, give assurance of product

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properties and establishes no contract legal rights. The receiver of our product is singularly responsible for adhering to existing laws and regulations.

*(The data for the relevant ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)*