



## Safety Data Sheet

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TECHNOMELT SUPRA 7220-21 PS-EN.

SDS No. : 264169

V001.4

Date of issue: 11.08.2023

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

**Product name:** TECHNOMELT SUPRA 7220-21 PS-EN.

**Intended use:** paper- and packaging adhesive

**Supplier:**  
Henkel Australia Pty Ltd  
135-141 Canterbury Road  
Kilsyth, Victoria, 3137  
Australia

**Phone:** +61 (3) 9724 6444

**Emergency Telephone for Chemical Accidents:** 24 HOUR EMERGENCY CONTACT NUMBER: 1800 032 379

### Section 2. Hazards identification

**Classification of the substance or mixture**  
Not hazardous according to the criteria of Safe Work Australia.

No classification required.

**Dangerous Goods information:**  
Not classified as Dangerous Goods according to the criteria of the Australian Code for the Transport of Dangerous Goods by Road and Rail (ADG Code).

### Section 3. Composition / information on ingredients

**General chemical description:** Mixture  
Hydrocarbon resins

**Type of preparation:** Hotmelt adhesive

**Identity of ingredients:**

| Chemical ingredients          | CAS-No.    | Proportion   |
|-------------------------------|------------|--------------|
| 1-Octene, polymer with ethene | 26221-73-8 | 10- < 30 %   |
| White mineral oil (petroleum) | 8042-47-5  | 1- < 10 %    |
| Ethene, homopolymer           | 9002-88-4  | < 10 %       |
|                               |            | 60- <= 100 % |

#### Section 4. First aid measures

|                              |                                                                                                                                |
|------------------------------|--------------------------------------------------------------------------------------------------------------------------------|
| <b>Ingestion:</b>            | Rinse mouth, do not induce vomiting, consult a doctor.                                                                         |
| <b>Skin:</b>                 | Molten product. After skin contact cool down immediately with cold water. Do not remove adherent product. Seek medical advice. |
| <b>Eyes:</b>                 | After contact with the hot melt: cool with water, seek medical attention.                                                      |
| <b>Inhalation:</b>           | Move to fresh air, consult doctor if complaint persists.                                                                       |
| <b>First Aid facilities:</b> | Eye wash<br>Normal washroom facilities                                                                                         |

#### Section 5. Fire fighting measures

|                                                        |                                                                        |
|--------------------------------------------------------|------------------------------------------------------------------------|
| <b>Suitable extinguishing media:</b>                   | All common extinguishing agents are suitable.                          |
| <b>Improper extinguishing media:</b>                   | High pressure waterjet                                                 |
| <b>Decomposition products in case of fire:</b>         | carbon oxides.                                                         |
| <b>Special protective equipment for fire-fighters:</b> | Wear self-contained breathing apparatus.<br>Wear protective equipment. |

#### Section 6. Accidental release measures

|                                   |                                                                                                                  |
|-----------------------------------|------------------------------------------------------------------------------------------------------------------|
| <b>Personal precautions:</b>      | Wear protective equipment.<br>See advice in section 8                                                            |
| <b>Environmental precautions:</b> | Do not empty into drains / surface water / ground water.                                                         |
| <b>Clean-up methods:</b>          | Allow to solidify.<br>Remove mechanically.<br>Dispose of contaminated material as waste according to Section 13. |

#### Section 7. Handling and storage

|                                       |                                                                    |
|---------------------------------------|--------------------------------------------------------------------|
| <b>Precautions for safe handling:</b> | Avoid open flames.<br>See advice in section 8                      |
| <b>Conditions for safe storage:</b>   | Ensure good ventilation/extraction.<br>Store in a cool, dry place. |

#### Section 8. Exposure controls / personal protection

**National exposure standards:**

| Ingredient [Regulated substance]             | form of exposure | TWA (ppm) | TWA (mg/m3) | Peak Limit. (ppm) | Peak Limit. (mg/m3) | STEL (ppm) | STEL (mg/m3) |
|----------------------------------------------|------------------|-----------|-------------|-------------------|---------------------|------------|--------------|
| NUISANCE DUSTS, INHALABLE DUST<br>26221-73-8 | Inhalable dust.  |           | 10          |                   |                     |            |              |
| Oil mist, refined mineral<br>8042-47-5       |                  |           | 5           |                   |                     |            |              |
| NUISANCE DUSTS, INHALABLE DUST<br>9002-88-4  | Inhalable dust.  |           | 10          |                   |                     |            |              |

**Eye protection:**

Protective goggles

**Skin protection:**Wear protective equipment.  
Wear heat resistance gloves while working with the hot melt (EN 407).**Respiratory protection:**

Suitable breathing mask when there is inadequate ventilation.

**Section 9. Physical and chemical properties****Appearance:**white  
solid**Odor:**

odourless

**pH:**

Not applicable, Product is non-soluble (in water).

**Melting point / freezing point:**

85 - 95 °C (185 - 203 °F)

**Flash point:**

Not applicable

**Flammability (solid, gas):**

The product is not flammable.

**Vapor pressure:**

&lt; 0.1 hPa

(; 20 °C (68 °F))

**Vapor density:**

Not applicable, Product is a solid.

**Density:**

0.95 - 1.05 g/cm3

**Viscosity (dynamic):**

4,000 - 6,000 mPa.s(Brookfield; 170 °C (338 °F); speed of rotation: 20 min-1; Spindle No: 27; Conc.: 100 % product; Method: ; QP1555.0; TE1002-208; Viscosity by Brookfield)

**VOC content (2010/75/EC)**

0 % (VOCV 814.018 VOC regulation CH)

**Section 10. Stability and reactivity****Conditions to avoid:**

None if used for intended purpose.

**Incompatible materials:**

None if used for intended purpose.

**Hazardous decomposition products:**

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

**Section 11. Toxicological information**

**Health Effects:****Ingestion:**

May cause irritation to the gastrointestinal tract, mouth and mucous membranes.

**Skin:**

May cause mild skin irritation.

**Eyes:**

May cause mechanical irritation.

**Inhalation:**

Fumes released during thermal processing may irritate respiratory system, skin and eyes.

**Acute toxicity:**

| Hazardous components<br>CAS-No.                | Value<br>type                                                                                                              | Value                                      | Route of<br>application      | Exposure<br>time | Species              | Method                                                                                                                                            |
|------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------|--------------------------------------------|------------------------------|------------------|----------------------|---------------------------------------------------------------------------------------------------------------------------------------------------|
| 1-Octene, polymer with<br>ethene<br>26221-73-8 | LD50<br>LD50                                                                                                               | > 5,000 mg/kg<br>> 2,000 mg/kg             | oral<br>dermal               |                  | rat<br>rabbit        | not specified<br>not specified                                                                                                                    |
| White mineral oil<br>(petroleum)<br>8042-47-5  | LD50<br>LC50<br>LD50                                                                                                       | > 5,000 mg/kg<br>> 5 mg/l<br>> 2,000 mg/kg | oral<br>inhalation<br>dermal | 4 h              | rat<br>rat<br>rabbit | OECD Guideline 401 (Acute<br>Oral Toxicity)<br>OECD Guideline 403 (Acute<br>Inhalation Toxicity)<br>OECD Guideline 402 (Acute<br>Dermal Toxicity) |
| Ethene, homopolymer<br>9002-88-4               | Acute<br>toxicity<br>estimate<br>(ATE)<br>Acute<br>toxicity<br>estimate<br>(ATE)<br>Acute<br>toxicity<br>estimate<br>(ATE) | > 5,000 mg/kg<br>> 5 mg/l<br>> 5,000 mg/kg | oral<br>inhalation<br>dermal | 4 h              |                      | Expert judgement<br>Expert judgement<br>Expert judgement                                                                                          |

**Skin corrosion/irritation:**

| Hazardous components<br>CAS-No.               | Result         | Exposure<br>time | Species | Method                                                      |
|-----------------------------------------------|----------------|------------------|---------|-------------------------------------------------------------|
| White mineral oil<br>(petroleum)<br>8042-47-5 | not irritating |                  | rabbit  | OECD Guideline 404 (Acute<br>Dermal Irritation / Corrosion) |

**Serious eye damage/irritation:**

| Hazardous components<br>CAS-No.               | Result         | Exposure<br>time | Species | Method                                                   |
|-----------------------------------------------|----------------|------------------|---------|----------------------------------------------------------|
| White mineral oil<br>(petroleum)<br>8042-47-5 | not irritating |                  | rabbit  | OECD Guideline 405 (Acute<br>Eye Irritation / Corrosion) |
| Ethene, homopolymer<br>9002-88-4              | not irritating | 24 h             | rabbit  | FDA Guideline                                            |

**Respiratory or skin sensitization:**

| Hazardous components<br>CAS-No.               | Result          | Test type                                      | Species    | Method                                                                |
|-----------------------------------------------|-----------------|------------------------------------------------|------------|-----------------------------------------------------------------------|
| White mineral oil<br>(petroleum)<br>8042-47-5 | not sensitising | Buehler<br>test                                | guinea pig | OECD Guideline 406 (Skin<br>Sensitisation)                            |
| Ethene, homopolymer<br>9002-88-4              | 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                                                                                                                               |
|-----------------------------------------------|----------------------|-------------------------------------------------------------------------------------------------|--------------------------------------------|---------|--------------------------------------------------------------------------------------------------------------------------------------|
| White mineral oil<br>(petroleum)<br>8042-47-5 | negative<br>negative | bacterial reverse<br>mutation assay (e.g<br>Ames test)<br>mammalian cell<br>gene mutation assay | with<br>with and without                   |         | OECD Guideline 471<br>(Bacterial Reverse Mutation<br>Assay)<br>OECD Guideline 476 (In vitro<br>Mammalian Cell Gene<br>Mutation Test) |
| White mineral oil<br>(petroleum)<br>8042-47-5 | negative             | intraperitoneal                                                                                 |                                            | mouse   | OECD Guideline 474<br>(Mammalian Erythrocyte<br>Micronucleus Test)                                                                   |
| Ethene, homopolymer<br>9002-88-4              | negative             | bacterial reverse<br>mutation assay (e.g<br>Ames test)                                          | with and without                           |         | Ames Test                                                                                                                            |

**Repeated dose toxicity:**

| Hazardous components<br>CAS-No.               | Result                 | Route of<br>application | Exposure time /<br>Frequency of<br>treatment | Species | Method                                                                   |
|-----------------------------------------------|------------------------|-------------------------|----------------------------------------------|---------|--------------------------------------------------------------------------|
| White mineral oil<br>(petroleum)<br>8042-47-5 | NOAEL>= 1,600<br>mg/kg | oral: feed              | 90 ddaily                                    | rat     | OECD Guideline 408<br>(Repeated Dose 90-Day Oral<br>Toxicity in Rodents) |

**Section 12. Ecological information****General ecological information:**

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

**Toxicity:**

| Hazardous components<br>CAS-No.             | Value<br>type | Value        | Acute<br>Toxicity<br>Study | Exposure<br>time | Species                                                                     | Method                                                                      |
|---------------------------------------------|---------------|--------------|----------------------------|------------------|-----------------------------------------------------------------------------|-----------------------------------------------------------------------------|
| 1-Octene, polymer with ethene<br>26221-73-8 | LC50          | > 100 mg/l   | Fish                       |                  | Oncorhynchus mykiss                                                         | OECD Guideline<br>203 (Fish, Acute<br>Toxicity Test)                        |
| 1-Octene, polymer with ethene<br>26221-73-8 | EC50          | > 100 mg/l   | Algae                      |                  | Selenastrum capricornutum<br>(new name: Pseudokirchneriella<br>subcapitata) | OECD Guideline<br>201 (Alga, Growth<br>Inhibition Test)                     |
| White mineral oil (petroleum)<br>8042-47-5  | LL50          | > 100 mg/l   | Fish                       | 96 h             | Oncorhynchus mykiss                                                         | OECD Guideline<br>203 (Fish, Acute<br>Toxicity Test)                        |
| White mineral oil (petroleum)<br>8042-47-5  | EL50          | > 100 mg/l   | Daphnia                    | 48 h             | Daphnia magna                                                               | OECD Guideline<br>202 (Daphnia sp.<br>Acute<br>Immobilisation<br>Test)      |
| White mineral oil (petroleum)<br>8042-47-5  | NOELR         | 100 mg/l     | Algae                      | 72 h             | Pseudokirchneriella subcapitata                                             | OECD Guideline<br>201 (Alga, Growth<br>Inhibition Test)                     |
| White mineral oil (petroleum)<br>8042-47-5  | IC50          | > 100 mg/l   | Bacteria                   | 93 d             | other:                                                                      | other guideline:                                                            |
| Ethene, homopolymer<br>9002-88-4            | LC50          | > 100 mg/l   | Fish                       | 96 h             | Leuciscus idus                                                              | OECD Guideline<br>203 (Fish, Acute<br>Toxicity Test)                        |
| Ethene, homopolymer<br>9002-88-4            | EC0           | > 1,000 mg/l | Bacteria                   | 3 h              | not specified                                                               | OECD Guideline<br>209 (Activated<br>Sludge, Respiration<br>Inhibition Test) |

**Persistence and degradability:**

| Hazardous components<br>CAS-No.             | Result                     | Route of<br>application | Degradability | Method                                                                            |
|---------------------------------------------|----------------------------|-------------------------|---------------|-----------------------------------------------------------------------------------|
| 1-Octene, polymer with ethene<br>26221-73-8 | not readily biodegradable. | aerobic                 | 6.6 %         | OECD Guideline 301 B (Ready<br>Biodegradability: CO2 Evolution<br>Test)           |
| White mineral oil (petroleum)<br>8042-47-5  | not readily biodegradable. | aerobic                 | 31.3 %        | OECD Guideline 301 F (Ready<br>Biodegradability: Manometric<br>Respirometry Test) |
| Ethene, homopolymer<br>9002-88-4            | not readily biodegradable. | aerobic                 | 1 %           | ISO 10708 (BODIS-Test)                                                            |

**Bioaccumulative potential / Mobility in soil:**

| Hazardous components<br>CAS-No.            | LogPow | Bioconcentration<br>factor (BCF) | Exposure<br>time | Species | Temperature | Method                                   |
|--------------------------------------------|--------|----------------------------------|------------------|---------|-------------|------------------------------------------|
| White mineral oil (petroleum)<br>8042-47-5 | > 4    |                                  |                  |         |             | EU Method A.8 (Partition<br>Coefficient) |

**Section 13. Disposal considerations**

- Waste disposal of product:** In consultation with the responsible local authority, must be subjected to special treatment.
- Disposal for uncleaned package:** Dispose of in accordance with local and national regulations.

**Section 14. Transport information****Road and Rail Transport:**

Dangerous Goods information: Not classified as Dangerous Goods according to the criteria of the Australian Code for the Transport of Dangerous Goods by Road and Rail (ADG Code).

**Marine transport IMDG:**

Not dangerous goods

**Air transport IATA:**

Not dangerous goods

**Section 15. Regulatory information**

**SUSMP Poisons Schedule** None

**AIC:** All components are listed or are exempt from listing on the Australian Inventory of Industrial Chemicals or Introduced under AICIS.

## Section 16. Other information

**Abbreviations/acronyms:**

ADGC - Australian Dangerous Goods Code  
GHS: Globally Harmonized System  
IATA-DGR: International Air Transport Association – Dangerous Goods Regulations  
IMDG: International Maritime Dangerous Goods code  
AIIC - Australian Inventory of Industrial Chemicals (AIIC)  
AICIS - Australian Industrial Chemicals Introduction Scheme

**Reason for issue:**

Reviewed SDS. Reissued with new date. involved chapters: 1-16

**Date of previous issue:**

10.12.2018

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