



Safety Data Sheet

TECHNOMELT 5432 10KG

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SDS No. : 44780

V001.2

Date of issue: 16.07.2024

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

Product name: TECHNOMELT 5432 10KG

Intended use: Hotmelt adhesive

Supplier:

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

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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
resins

Type of preparation: wax
Resin

Identity of ingredients:

Chemical ingredients	CAS-No.	Proportion
Paraffin waxes and Hydrocarbon waxes	8002-74-2	< 10 %
Ethene, homopolymer	9002-88-4	< 10 %
non hazardous ingredients~		60- <= 100 %

Section 4. First aid measures

Ingestion:	Rinse mouth, do not induce vomiting, consult a doctor.
Skin:	Rinse with running water. Molten product. After skin contact cool down immediately with cold water. Do not remove adherent product. Seek medical advice.
Eyes:	Rinse immediately with plenty of running water (for 10 minutes). Seek medical attention if necessary.
Inhalation:	Move to fresh air.
First Aid facilities:	Normal washroom facilities Eye wash
Medical attention and special treatment:	Treat symptomatically.

Section 5. Fire fighting measures

Suitable extinguishing media:	Carbon dioxide. Dry chemical. foam
Decomposition products in case of fire:	Thermal decomposition can lead to release of irritating gases and vapors. carbon monoxide Carbon dioxide
Particular danger in case of fire:	May produce fumes when heated to decomposition. Fumes may contain carbon monoxide and other toxic fumes.
Special protective equipment for fire-fighters:	Wear self-contained breathing apparatus and full protective clothing, such as turn-out gear.

Section 6. Accidental release measures

Personal precautions:	See advice in section 8
Environmental precautions:	Dispose of according to Federal, State and local governmental regulations.
Clean-up methods:	If product is spilled in the solid state, pick up and place in an appropriate waste disposal container. If product is spilled in the molten state, allow product to solidify before scraping up and disposing of in an appropriate waste disposal container.

Section 7. Handling and storage

Precautions for safe handling:	See advice in section 8 Always be careful around molten material.
Conditions for safe storage:	Keep container tightly sealed.

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)
Paraffin wax (fume) 8002-74-2	Fume.		2				
NUISANCE DUSTS, INHALABLE DUST 9002-88-4	Inhalable dust.		10				

- Engineering controls:** Use adequate ventilation to remove molten vapors or fumes. Local exhaust ventilation is recommended when generating excessive levels of airborne dust or vapors from handling or thermal processing.
- Eye protection:** Wear chemical goggles; face shield (if handling molten material).
- Skin protection:** For molten product, use any type rubber thermal insulating gloves and other clothing as necessary to protect from thermal burns.
- Respiratory protection:** If inhalation risk exists, wear a respirator or air supplied mask complying with the requirements of AS/NZS 1715 and AS/NZS 1716.
- General protection measures:** Good industrial hygiene practices should be observed.

Section 9. Physical and chemical properties

- Appearance:** Whitish solid
- Odor:** Typical
- pH:** Not applicable, Product is non-soluble (in water).
- Melting point / freezing point:** 96 - 106 °C (204.8 - 222.8 °F)
- Flash point:** No flash point up to 200 °C
- Flammability (solid, gas):** The product is not flammable.
- Vapor pressure:** < 0.1 hPa
(; 20 °C (68 °F))
- Vapor density:** Not applicable, Product is a solid.
- Density:** 0.80 - 0.90 g/cm³
- Viscosity (dynamic):** 1,200 - 2,200 mPa.s(Brookfield; Instrument: RVT; 160 °C (320 °F); speed of rotation: 50 min⁻¹; Spindle No: 27; Method: ; QP1555.0; TE1002-208; Viscosity by Brookfield)

Section 10. Stability and reactivity

- Stability:** Stable under normal conditions of temperature and pressure.
- Conditions to avoid:** Do not allow molten material to contact water or liquids as this can cause violent eruptions, splatter hot material, or ignite flammable material.
- Incompatible materials:** Reaction with strong oxidants.
- Hazardous decomposition products:** Thermal decomposition can lead to release of irritating gases and vapors.
Oxides of carbon.

Section 11. Toxicological information

Health Effects:**Ingestion:**

May cause gastrointestinal disturbances.

Skin:

Contact with product at elevated temperatures can result in thermal burns.

Eyes:

Not a probable route of exposure.

Molten adhesive in eyes will cause severe and permanent damage.

May cause blindness.

Inhalation:

Inhalation of vapors from heated material may cause irritation.

Vapors may cause headaches, nausea, dizziness and respiratory tract irritation.

Aggravated med. condition:

None known

Acute toxicity:

Hazardous components CAS-No.	Value type	Value	Route of application	Exposure time	Species	Method
Paraffin waxes and Hydrocarbon waxes 8002-74-2	LD50 LD50	> 5,000 mg/kg > 2,000 mg/kg	oral dermal		rat rat	OECD Guideline 401 (Acute Oral Toxicity) OECD Guideline 402 (Acute Dermal Toxicity)
Ethene, homopolymer 9002-88-4	Acute toxicity estimate (ATE) Acute toxicity estimate (ATE) Acute toxicity estimate (ATE)	> 5,000 mg/kg > 5 mg/l > 5,000 mg/kg	oral inhalation dermal	4 h		Expert judgement Expert judgement Expert judgement

Skin corrosion/irritation:

Hazardous components CAS-No.	Result	Exposure time	Species	Method
Paraffin waxes and Hydrocarbon waxes 8002-74-2	not irritating	4 h	rabbit	OECD Guideline 404 (Acute Dermal Irritation / Corrosion)

Serious eye damage/irritation:

Hazardous components CAS-No.	Result	Exposure time	Species	Method
Paraffin waxes and Hydrocarbon waxes 8002-74-2	not irritating		rabbit	OECD Guideline 405 (Acute Eye Irritation / Corrosion)
Ethene, homopolymer 9002-88-4	not irritating	24 h	rabbit	FDA Guideline

Respiratory or skin sensitization:

Hazardous components CAS-No.	Result	Test type	Species	Method
Paraffin waxes and Hydrocarbon waxes 8002-74-2	not sensitising	Guinea pig maximisation test	guinea pig	OECD Guideline 406 (Skin Sensitisation)
Ethene, homopolymer 9002-88-4	not sensitising	Mouse local lymph node assay (LLNA)	mouse	OECD Guideline 429 (Skin Sensitisation: Local Lymph Node Assay)

Germ cell mutagenicity:

Hazardous components CAS-No.	Result	Type of study / Route of administration	Metabolic activation / Exposure time	Species	Method
Paraffin waxes and Hydrocarbon waxes 8002-74-2	negative negative negative	bacterial reverse mutation assay (e.g Ames test) in vitro mammalian chromosome aberration test mammalian cell gene mutation assay	with and without with and without with and without		OECD Guideline 471 (Bacterial Reverse Mutation Assay) equivalent or similar to OECD Guideline 473 (In vitro Mammalian Chromosome Aberration Test) OECD Guideline 476 (In vitro Mammalian Cell Gene Mutation Test)
Paraffin waxes and Hydrocarbon waxes 8002-74-2	negative	intraperitoneal		mouse	equivalent or similar to OECD Guideline 474 (Mammalian Erythrocyte Micronucleus Test)
Ethene, homopolymer 9002-88-4	negative	bacterial reverse mutation assay (e.g Ames test)	with and without		Ames Test

Repeated dose toxicity:

Hazardous components CAS-No.	Result	Route of application	Exposure time / Frequency of treatment	Species	Method
Paraffin waxes and Hydrocarbon waxes 8002-74-2	NOAEL=1,500 mg/kg	oral: feed	90 d	rat	OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity in Rodents)

Section 12. Ecological information

General ecological information:

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

Toxicity:

Hazardous components CAS-No.	Value type	Value	Acute Toxicity Study	Exposure time	Species	Method
Paraffin waxes and Hydrocarbon waxes 8002-74-2	LC50	> 100 mg/l	Fish	96 h	not specified	OECD Guideline 203 (Fish, Acute Toxicity Test)
Paraffin waxes and Hydrocarbon waxes 8002-74-2	EC50	> 10,000 mg/l	Daphnia	48 h	Daphnia magna	OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test)
Paraffin waxes and Hydrocarbon waxes 8002-74-2	NOEC	> 100 mg/l	Algae	72 h	not specified	OECD Guideline 201 (Alga, Growth Inhibition Test)
Paraffin waxes and Hydrocarbon waxes 8002-74-2	EC50	> 100 mg/l	Algae	72 h	not specified	OECD Guideline 201 (Alga, Growth Inhibition Test)
Paraffin waxes and Hydrocarbon waxes 8002-74-2	EC0	> 100 mg/l	Bacteria	30 min	Pseudomonas putida	DIN 38412, part 27 (Bacterial oxygen consumption test)
Ethene, homopolymer 9002-88-4	LC50	> 100 mg/l	Fish	96 h	Leuciscus idus	OECD Guideline 203 (Fish, Acute Toxicity Test)
Ethene, homopolymer 9002-88-4	EC0	> 1,000 mg/l	Bacteria	3 h	not specified	OECD Guideline 209 (Activated Sludge, Respiration Inhibition Test)

Persistence and degradability:

Hazardous components CAS-No.	Result	Route of application	Degradability	Method
Paraffin waxes and Hydrocarbon waxes 8002-74-2	not readily biodegradable.	aerobic	> 0 - < 60 %	OECD Guideline 301 B (Ready Biodegradability: CO2 Evolution Test)
Ethene, homopolymer 9002-88-4	not readily biodegradable.	aerobic	1 %	ISO 10708 (BODIS-Test)

Section 13. Disposal considerations

- Waste disposal of product:** Collection and delivery to recycling enterprise or other registered elimination institution.
- Disposal for uncleaned package:** Use packages for recycling only when totally empty.
Packaging that cannot be cleaned are to be disposed of in the same manner as the product.

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
IMDG: International Maritime Dangerous Goods code
IATA-DGR: International Air Transport Association – Dangerous Goods Regulations
AIC - Australian Inventory of Industrial Chemicals (AIC)
AICIS - Australian Industrial Chemicals Introduction Scheme

Reason for issue:

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

Date of previous issue:

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Disclaimer:

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