



Safety Data Sheet

TECHNOMELT SUPRA 81A

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SDS No. : 609110

V001.2

Date of issue: 15.03.2023

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

Product name: TECHNOMELT SUPRA 81A

Intended use: Hotmelt adhesive

Supplier:

Henkel Australia Pty Ltd
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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

Identity of ingredients:

Chemical ingredients	CAS-No.	Proportion
Paraffin waxes and Hydrocarbon waxes	8002-74-2	10- < 30 %
vinyl acetate	108-05-4	< 1 %
non hazardous ingredients~		60- <= 100 %

Section 4. First aid measures

Ingestion:	Ingestion of solid adhesive is not expected to be hazardous. Rinse out mouth. Do not drink. In case of adverse health effects seek medical advice.
Skin:	If hot material contacts the skin, immediately cool before attempting removal. Seek medical attention from a specialist.
Eyes:	If eye contact occurs with molten material immediately cool with water. Do not remove adhesive. Seek medical attention.
Inhalation:	Move to fresh air. If symptoms persist, seek medical advice.

Section 5. Fire fighting measures

Suitable extinguishing media:	Use media appropriate for surrounding material.
Combustion behaviour:	In case of fire product may cause hazard; see combustion gases / decomposition products.
Decomposition products in case of fire:	Thermal decomposition can lead to release of irritating gases and vapors. Oxides of carbon.
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:	Do not empty into drains / surface water / ground water.
Clean-up methods:	If product is molten at time of spill, allow it to polymerize before scraping up. If product is solid at time of spill, sweep up. Avoid creating static electricity while sweeping as static discharge may occur. Store picked up product for either reuse or disposal.

Section 7. Handling and storage

Precautions for safe handling:	See advice in section 8 Wear suitable protective clothing, gloves and eye/face protection.
Conditions for safe storage:	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)
Paraffin wax (fume) 8002-74-2	Fume.		2				
VINYL ACETATE 108-05-4		10	35				

VINYL ACETATE 108-05-4						20	70
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Engineering controls:	Local exhaust ventilation is recommended when generating excessive levels of airborne dust or vapors from handling or thermal processing.
Eye protection:	Wear safety glasses; chemical goggles for fumes which may arise from thermal processing.
Skin protection:	Wear suitable protective clothing. Wear heat resistance gloves while working with the hot melt (EN 407). Insulated gloves and long sleeved clothing are strongly recommended when working with molten adhesive.
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.

Section 9. Physical and chemical properties

Appearance:	White solid
Odor:	No valuation
pH:	Not applicable
Flash point:	Not applicable
Density:	0.96 g/cm ³
Solubility in water:	Insoluble
Viscosity (dynamic):	1,800 - 2,700 mPa.s (; 160 °C (320 °F); speed of rotation: 20 min-1; Spindle No: 27; Method: ; QCM0016; Brookfield viscosity hotmelt)

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. Avoid heating.
Incompatible materials:	Strong oxidizing agents.
Hazardous decomposition products:	Carbon dioxide, carbon monoxide and irritating and/or toxic gases and particulate may be generated by thermal decomposition or combustion.

Section 11. Toxicological information

Health Effects:

Ingestion:	Ingestion of large amounts may produce gastrointestinal disturbances including irritation, nausea, and diarrhea.
Skin:	Molten adhesive may cause severe burns. Not expected to be a primary skin irritant.
Eyes:	Hot material may cause skin burns. Contact with eyes can cause eye irritation.
Inhalation:	Molten adhesive may cause severe burns. High vapor concentrations may irritate nose, throat, and upper respiratory system.

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 420 (Acute Oral Toxicity) OECD Guideline 402 (Acute Dermal Toxicity)
vinyl acetate 108-05-4	LD50 Acute toxicity estimate (ATE) LC50 LD50	3,500 mg/kg 11.27 mg/l 4490 ppm 7,440 mg/kg	oral inhalation inhalation dermal	4 h	rat rat rabbit	not specified Expert judgement not specified not specified

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)
vinyl acetate 108-05-4	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	equivalent or similar to OECD Guideline 405 (Acute Eye Irritation / Corrosion)
vinyl acetate 108-05-4	not irritating		rabbit	OECD Guideline 405 (Acute Eye Irritation / Corrosion)

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)
vinyl acetate 108-05-4	not sensitising	Mouse local lymphnode 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)
vinyl acetate 108-05-4	negative	bacterial reverse mutation assay (e.g Ames test)	with and without		OECD Guideline 471 (Bacterial Reverse Mutation Assay)
vinyl acetate 108-05-4	ambiguous	intraperitoneal		mouse	OECD Guideline 474 (Mammalian Erythrocyte Micronucleus 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)
vinyl acetate 108-05-4	NOAEL=5000 ppm	oral: drinking water	3 mdaily	rat	OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity in Rodents)

Section 12. Ecological information

General ecological information:

May cause long-term adverse effects in the aquatic environment., 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)
vinyl acetate 108-05-4	LC50	26 mg/l	Fish	48 h	Leuciscus idus melanotus	OECD Guideline 203 (Fish, Acute Toxicity Test)
vinyl acetate 108-05-4	NOEC	0.551 mg/l	Fish	34 d	Pimephales promelas	OECD Guideline 210 (fish early lite stage toxicity test)
vinyl acetate 108-05-4	EC50	12.6 mg/l	Daphnia	48 h	Daphnia magna	OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test)
vinyl acetate 108-05-4	NOEC	5.96 mg/l	Algae	72 h	Pseudokirchneriella subcapitata	OECD Guideline 201 (Alga, Growth Inhibition Test)
vinyl acetate 108-05-4	EC50	12.7 mg/l	Algae	72 h	Pseudokirchneriella subcapitata	OECD Guideline 201 (Alga, Growth 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)
vinyl acetate 108-05-4	readily biodegradable	aerobic	82 - 98 %	OECD Guideline 301 C (Ready Biodegradability: Modified MITI Test (I))

Bioaccumulative potential / Mobility in soil:

Hazardous components CAS-No.	LogPow	Bioconcentration factor (BCF)	Exposure time	Species	Temperature	Method
vinyl acetate 108-05-4	0.73				25 °C	other guideline:

Section 13. Disposal considerations

Waste disposal of product:

Dispose of according to Federal, State and local governmental regulations.
Allow molten resin to solidify before disposal.

Disposal for uncleaned package:

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
AIIC - Australian Inventory of Industrial Chemicals (AIIC)
AICIS - Australian Industrial Chemicals Introduction Scheme

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Disclaimer:

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