



Safety Data Sheet

TEROSON MS 9320 OC

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SDS No. : 524520

V001.1

Date of issue: 13.11.2020

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

Product name: TEROSON MS 9320 OC

Intended use: adhesive and sealant

Supplier:

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

Phone: +61 (3) 9724 6444

Emergency information: 24 HOUR EMERGENCY CONTACT NUMBER: 1800 032 379

Section 2. Hazards identification

Classification of the substance or mixture

Hazardous according to the criteria of Safe Work Australia.

GHS Classification:

Hazard Class

Skin sensitizer

Hazard Category

Category 1

Hazard pictogram:



Signal word:

Warning

Hazard statement(s):

H317 May cause an allergic skin reaction.

Precautionary Statement(s):

Prevention:

P261 Avoid breathing dust/fume/gas/mist/vapours/spray.

P272 Contaminated work clothing should not be allowed out of the workplace.

P280 Wear protective gloves.

Response:

P302+P352 IF ON SKIN: Wash with plenty of water.

P333+P313 If skin irritation or rash occurs: Get medical advice/attention.

P363 Wash contaminated clothing before reuse.

Disposal:

P501 Dispose of contents/container to an appropriate treatment and disposal facility in accordance with applicable laws and regulations.

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
Naphtha (petroleum), hydrotreated light, < 0.1 % benzene	64742-49-0	< 10 %
N-[3-(dimethoxymethylsilyl)propyl]ethylenediamine	3069-29-2	0.1- < 1 %
n-Hexane	110-54-3	< 3 %
non hazardous ingredients~		60- < 100 %

Section 4. First aid measures

Ingestion: Do not induce vomiting.
Have victim rinse mouth thoroughly with water.
Seek medical advice.

Skin: Rinse with running water and soap.
Seek medical advice.

Eyes: Rinse immediately with plenty of running water (for 10 minutes). Seek medical attention if necessary.

Inhalation: Move to fresh air, consult doctor if complaint persists.

First Aid facilities: Eye wash
Normal washroom facilities

Medical attention and special treatment: Treat symptomatically.

Section 5. Fire fighting measures

Suitable extinguishing media: All common extinguishing agents are suitable.

Improper extinguishing media: High pressure waterjet

Decomposition products in case of fire: Thermal decomposition can lead to release of irritating gases and vapors.
Carbon monoxide.
Carbon dioxide.

Special protective equipment for fire-fighters: Wear protective equipment.
Fire fighters should wear positive pressure self-contained breathing apparatus (SCBA).

Section 6. Accidental release measures

Personal precautions: Avoid contact with skin and eyes.
Wear protective equipment.

Environmental precautions: Do not empty into drains / surface water / ground water.

Clean-up methods: Remove mechanically.
Dispose of contaminated material as waste according to Section 13.

Section 7. Handling and storage

Precautions for safe handling: Use only with adequate ventilation.
Avoid contact with eyes, skin and clothing.
Do not breathe fumes or dust from this material.
Keep container closed.
Wash thoroughly after handling.

Conditions for safe storage: Ensure good ventilation/extraction.
Store in a cool, frost-free place.
Storage at 5 to 25°C is recommended.

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)
CALCIUM CARBONATE 471-34-1	Inhalable dust.		10				
MINERAL TURPENTINE 64742-49-0			480				
TITANIUM DIOXIDE 13463-67-7	Inhalable dust.		10				
HEXANE (N-HEXANE) 110-54-3		20	72				

None

Engineering controls: Ensure good ventilation/suction at the workplace.

Eye protection: Protective goggles

Skin protection: Protective clothing should conform to EN 14605 for liquid splashes or to EN 13982 for dusts.
Suitable protective gloves.
Nitrile rubber gloves should be worn.

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: ochre
pasty

Odor: of hydrocarbons

pH: Not applicable

Flash point: Not applicable

Density: 1.49 - 1.55 g/cm3

Solubility in water: Insoluble (20 °C)

Viscosity (dynamic): 40,000 mPa.s
(; Method: no method)

VOC content (2004/42/EC) 9.4 % (VOCV 814.018 VOC regulation CH)

Section 10. Stability and reactivity

Stability:	Stable under normal conditions of temperature and pressure.
Conditions to avoid:	Extremes of temperature and direct sunlight. Heat, flames, sparks and other sources of ignition.
Incompatible materials:	Acids and bases. Oxidizing agents.
Hazardous decomposition products:	Thermal decomposition can lead to release of irritating gases and vapors. Carbon monoxide. Carbon dioxide.

Section 11. Toxicological information

Health Effects:	
Ingestion:	Ingestion can cause gastrointestinal irritation, nausea, vomiting and diarrhea.
Skin:	May cause skin sensitization. Symptoms may include redness, edema, drying, defatting and cracking of the skin.
Eyes:	This product may cause irritation to the eyes.
Inhalation:	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
Naphtha (petroleum), hydrotreated light, < 0.1 % benzene 64742-49-0	LD50 LC50 LD50	> 5,000 mg/kg > 5.6 mg/l > 5,000 mg/kg	oral inhalation dermal	4 h	rat rat rabbit	OECD Guideline 401 (Acute Oral Toxicity) equivalent or similar to OECD Guideline 403 (Acute Inhalation Toxicity) not specified
N-[3-(dimethoxymethylsilyl)propyl]ethylenediamine 3069-29-2	LD50 Acute toxicity estimate (ATE) LC50 Acute toxicity estimate (ATE) LD50	200 - 2,000 mg/kg 500 mg/kg > 5.2 mg/l 5.21 mg/l 15,520 mg/kg	oral oral inhalation inhalation dermal	4 h 4 h	rat rat rabbit	OECD Guideline 423 (Acute Oral toxicity) Expert judgement OECD Guideline 403 (Acute Inhalation Toxicity) Expert judgement not specified
n-Hexane 110-54-3	LD50 LC50 LD50	16,000 mg/kg > 31.86 mg/l > 2,000 mg/kg	oral inhalation dermal	4 h	rat rat rabbit	OECD Guideline 401 (Acute Oral Toxicity) not specified not specified

Skin corrosion/irritation:

Hazardous components CAS-No.	Result	Exposure time	Species	Method
N-[3-(dimethoxymethylsilyl)propyl]ethylenediamine 3069-29-2	irritating	4 h	rabbit	OECD Guideline 404 (Acute Dermal Irritation / Corrosion)
n-Hexane 110-54-3	not irritating		rabbit	OECD Guideline 404 (Acute Dermal Irritation / Corrosion)

Serious eye damage/irritation:

Hazardous components CAS-No.	Result	Exposure time	Species	Method
N-[3-(dimethoxymethylsilyl)propyl]ethylenediamine 3069-29-2	highly irritating		rabbit	OECD Guideline 405 (Acute Eye Irritation / Corrosion)
n-Hexane 110-54-3	not irritating		rabbit	not specified

Respiratory or skin sensitization:

Hazardous components CAS-No.	Result	Test type	Species	Method
N-[3-(dimethoxymethylsilyl)propyl]ethylenediamine 3069-29-2	sensitising	Guinea pig maximisation test	guinea pig	not specified
n-Hexane 110-54-3	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
n-Hexane 110-54-3	negative negative	bacterial reverse mutation assay (e.g Ames test) mammalian cell gene mutation assay	with and without with and without		OECD Guideline 471 (Bacterial Reverse Mutation Assay) OECD Guideline 476 (In vitro Mammalian Cell Gene Mutation Test)
n-Hexane 110-54-3	negative negative	inhalation: vapour inhalation: vapour		mouse rat	not specified not specified

Repeated dose toxicity:

Hazardous components CAS-No.	Result	Route of application	Exposure time / Frequency of treatment	Species	Method
n-Hexane 110-54-3	NOAEL=568 mg/kg	oral: gavage	90 d 5 d/w	rat	not specified
n-Hexane 110-54-3	NOAEL=500 ppm	inhalation: vapour	90 d 6 h/d; 5 d/w	mouse	OECD Guideline 413 (Subchronic Inhalation Toxicity: 90-Day)

Section 12. Ecological information

General ecological information:

Do not empty into drains, soil or bodies of water.

Toxicity:

Hazardous components CAS-No.	Value type	Value	Acute Toxicity Study	Exposure time	Species	Method
Naphtha (petroleum), hydrotreated light, < 0.1 % benzene 64742-49-0	LL50	> 10 - < 30 mg/l	Fish	96 h	Oncorhynchus mykiss	OECD Guideline 203 (Fish, Acute Toxicity Test)
Naphtha (petroleum), hydrotreated light, < 0.1 % benzene 64742-49-0	EL50	> 22 - < 46 mg/l	Daphnia	48 h	Daphnia magna	OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test)
Naphtha (petroleum), hydrotreated light, < 0.1 % benzene 64742-49-0	EL50	> 1,000 mg/l	Algae	72 h	Pseudokirchneriella subcapitata	OECD Guideline 201 (Alga, Growth Inhibition Test)
Naphtha (petroleum), hydrotreated light, < 0.1 % benzene 64742-49-0	NOELR	< 1 mg/l	Algae	72 h	Pseudokirchneriella subcapitata	OECD Guideline 201 (Alga, Growth Inhibition Test)
N-[3- (dimethoxymethylsilyl)propyl] ethylenediamine 3069-29-2	LC50	597 mg/l	Fish	96 h	Brachydanio rerio (new name: Danio rerio)	EU Method C.1 (Acute Toxicity for Fish)
N-[3- (dimethoxymethylsilyl)propyl] ethylenediamine 3069-29-2	EC50	> 100 mg/l	Daphnia	48 h	Daphnia magna	OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test)
N-[3- (dimethoxymethylsilyl)propyl] ethylenediamine 3069-29-2	EC10	25 mg/l	Bacteria	16 h	Pseudomonas putida	DIN 38412, part 8 (Pseudomonas Zellvermehrungshe mm-Test)
n-Hexane 110-54-3	LC50	> 1 - 10 mg/l	Fish	96 h	not specified	OECD Guideline 203 (Fish, Acute Toxicity Test)
n-Hexane 110-54-3	EC50	2.1 mg/l	Daphnia	48 h	Daphnia magna	OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test)
n-Hexane 110-54-3	EC50	> 1 - 10 mg/l	Algae	72 h	not specified	OECD Guideline 201 (Alga, Growth Inhibition Test)
n-Hexane 110-54-3	EC50	> 1 - 10 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
Naphtha (petroleum), hydrotreated light, < 0.1 % benzene 64742-49-0	readily biodegradable	aerobic	89 %	OECD Guideline 301 F (Ready Biodegradability: Manometric Respirometry Test)
N-[3- (dimethoxymethylsilyl)propyl] ethylenediamine 3069-29-2	not readily biodegradable.	aerobic	39 %	OECD Guideline 301 A (new version) (Ready Biodegradability: DOC Die Away Test)
n-Hexane 110-54-3	readily biodegradable	aerobic	81 %	OECD Guideline 301 F (Ready Biodegradability: Manometric Respirometry Test)

Bioaccumulative potential / Mobility in soil:

Hazardous components CAS-No.	LogPow	Bioconcentration factor (BCF)	Exposure time	Species	Temperature	Method
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Naphtha (petroleum), hydrotreated light, < 0.1 % benzene 64742-49-0	4 - 5.7					OECD Guideline 107 (Partition Coefficient (n- octanol / water), Shake Flask Method)
N-[3- (dimethoxymethylsilyl)propyl] ethylenediamine 3069-29-2	1				20 °C	QSAR (Quantitative Structure Activity Relationship)
n-Hexane 110-54-3	4				20 °C	other guideline:

Section 13. Disposal considerations

- Waste disposal of product:** Dispose of according to Federal, State and local governmental regulations.
- Disposal for uncleaned package:** After use, tubes, cartons and bottles containing residual product should be disposed of as chemically contaminated waste in an authorised legal land fill site or incinerated. Disposal must be made according to official 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
- AICS:** All components are listed or are exempt from listing on the Australian Inventory of Chemical Substances (AICS).

Section 16. Other information

- Abbreviations/acronyms:**
- ADGC - Australian Dangerous Goods Code
 - GHS: Globally Harmonized System
 - CAS: Chemical Abstracts Service
 - OECD: Organization for Economic Cooperation and Development
 - LD 50: Lethal Dose 50%
 - LC 50: Lethal Concentration 50%
 - STEL - Short term exposure limit
 - TWA - Time weighted average
 - IMDG: International Maritime Dangerous Goods code
 - IATA-DGR: International Air Transport Association – Dangerous Goods Regulations
- Reason for issue:** New Material Safety Data Sheet format. involved chapters: 2,3,8,9,16

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