SAFETY DATA SHEET

MP THINNERS

OMIKRON AUTO DETAILING PRODUCTS

Product code: **THI**
Version No: **1.0**
Issue date: **28/08/2025**
Safety Data Sheet according to WHS and ADG requirements

SECTION 1 IDENTIFICATION OF THE SUBSTANCE / MIXTURE AND OF THE COMPANY / UNDERTAKING

Product Identifier

Product name	MP THINNERS
Product code	THI
Pack sizes	5L/ 20L
Proper shipping name	FLAMMABLE LIQUID N.O.S. (contains toluene and methyl ethyl ketone)

Relevant identified uses of the substance or mixture and uses advised against

Relevant identified uses	General Purpose Paint Thinner

Details of the manufacturer/importer

Registered company name	OMIKRON AUTO DETAILING PRODUCTS
Address	12 McPherson Rd, Smeaton Grange, NSW, 2567
Telephone	(02) 9824 5966
Website	www.omikron.com.au
Email	sales@omikron.com.au

Emergency telephone number

Association / Organisation	Poisons Information Centre
Emergency telephone numbers	13 1126
Other emergency telephone numbers	1800 108 800

SECTION 2 HAZARDS IDENTIFICATION

Classification of the substance or mixture

HAZARDOUS CHEMICAL. DANGEROUS GOODS. According to the Model WHS Regulations and the ADG Code.

Poisons Schedule	5
GHS Classification	Aspiration Hazard Category 1, Flammable Liquid Category 2 Skin Corrosion/Irritation Category 2, Eye Irritation Category 2,. STOT - SE (Narcosis) Category 3, STOT - SE (Respiratory) Category 3, STOT – RE Category 2, Toxic to Reproduction Category 1A
	Classification drawn from HCIS and ECHA C&L Inventory.

Label elements

Hazard pictograms	
SIGNAL WORD	**DANGER**

Hazard statement(s)

H225	Highly flammable liquid and vapour.
H304	May be fatal if swallowed and enters airways.
H315	Causes skin irritation
H319	Causes serious eye irritation.
H335	May causes respiratory irritation.
H336	May cause drowsiness or dizziness.
H373	May cause damage to organs through prolonged or repeated exposure
H360	May damage fertility or the unborn child.
AUH066	Repeated exposure may cause skin dryness and cracking.

Precautionary statement(s) Prevention

P201	Obtain special instructions before use.
P202	Do not handle until all safety instructions have been read and understood
P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. **No s m o k i n g** .
P233	Keep container tightly closed.
P240	Ground/Bond container and receiving equipment.
P241	Use explosion-proof electrical / ventilating / lighting / intrinsically safe equipment.
P242	Use only non-sparking tools.
P243	Take precautionary measures against static discharge.
P280	Wear protective gloves/eye protection.
P271	Use only outdoors or in a well-ventilated area.
P260+P261	Do not breathe / avoid breathing vapours/gas/mist/fumes/spray.
P264	Wash exposed skin thoroughly after handling.
P281	Use personal protective equipment as required.

Precautionary statement(s) Response

P301+P310+P331	IF SWALLOWED: Immediately call a POISON CENTER or doctor. Do NOT induce vomiting.
P304+P312+P340	IF INHALED: Remove person to fresh air and keep in a position comfortable for breathing. Call a POISON CENTER or doctor if you feel unwell.
P303+P361+P353+P332+P313	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. If skin irritation occurs: Get medical advice/attention.
P305+P351+P338+P337+P313	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue r i n s i n g . If eye irritation persists: Get medical advice/attention
P308	IF exposed or concerned: Get medical advice/attention.
P370+P378	In case of fire: Use alcohol resistant foam or normal protein foam for extinction.

Precautionary statement(s) Storage

P405+P403	Store locked up, in a well-ventilated place.
P233	Keep container tightly closed.

Precautionary statement(s) Disposal

P501	Dispose of contents / container in accordance with local government regulations.

SECTION 3 COMPOSITION / INFORMATION ON INGREDIENTS

Substances

See section below for composition of Mixtures

Mixtures

CAS No	%[weight]	Name
108-88-3	>60	toluene
78-93-3	10 -<30	methyl ethyl ketone

SECTION 4 FIRST AID MEASURES

Description of first aid measures

Eye Contact	If this product comes in contact with the eyes: Wash out immediately with fresh running water. Ensure complete irrigation of the eye by keeping eyelids apart and away from eye and moving the eyelids by occasionally lifting the upper and lower lids. If pain persists or recurs seek medical attention. Removal of contact lenses after an eye injury should only be undertaken by skilled personnel.
Skin Contact	If skin contact occurs: Immediately remove all contaminated clothing, including footwear. Flush skin and hair with running water (and soap if available). Seek medical attention in event of irritation.
Inhalation	If fumes or combustion products are inhaled remove from contaminated area. Lay patient down. Keep warm and rested. If patient is having difficulty breathing seek medical advice / attention.
Ingestion	If swallowed do **NOT** induce vomiting. Immediately seek medical advice / attention. If vomiting occurs, lean patient forward or place on left side (head-down position, if possible) to maintain open airway and prevent aspiration. Observe the patient carefully. Never give liquid to a person showing signs of being sleepy or with reduced awareness; i.e. becoming unconscious. Give water to rinse out mouth, then provide liquid slowly and as much as casualty can comfortably drink. Avoid giving milk or oils. Avoid giving alcohol. If spontaneous vomiting appears imminent or occurs, hold patient's head down, lower than their hips to help avoid possible aspiration of vomitus.

Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5 FIREFIGHTING MEASURES

Extinguishing media

Extinguishing media	Foam. Dry chemical powder. BCF (where regulations permit). Carbon dioxide. Water spray or fog - Large fires only.

Special hazards arising from the substrate or mixture.

Fire incompatibilities	Avoid contamination with oxidising agents i.e. nitrates, oxidising acids, chlorine bleaches, pool chlorine etc. as ignition may result

Advice for firefighters

Fire Fighting	Alert Fire Brigade and tell them location and nature of hazard. Wear full body protective clothing with breathing apparatus. Prevent, by any means available, spillage from entering drains or water course. **DO NOT** approach containers suspected to be hot. Cool fire exposed containers with water spray from a protected location. If safe to do so, remove containers from path of fire. *Caution: Use of water spray when fighting fire may be inefficient.
Fire/Explosion Hazard	HIGHLY FLAMMABLE LIQUID: Low flashpoint - Will be easily ignited by heat, sparks or flames at ambient temperatures Risk of violent reaction or explosion! Heating can cause expansion or decomposition leading to violent rupture of containers. Vapours will form explosive mixtures with air. Vapours will travel to source of ignition and flash back. Many vapours are heavier than air and will collect in low or confined areas. Vapours from the runoff may create an explosion hazard. Fire may produce irritating and/or toxic gases, including oxides of Carbon and Nitrogen, smoke and other toxic fumes.
HAZCHEM	•3Y

SECTION 6 ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Minor Spills	Remove all ignition sources. Avoid breathing vapours and contact with skin and eyes. Wipe up using paper towel or equivalent and dispose of safely.
Major Spills	Spill or leak area should be isolated immediately. Keep unauthorised personnel away. Keep upwind and to higher ground. No smoking, naked lights or ignition sources. Ensure adequate ventilation. All equipment used in handling the product must be earthed. Do not touch or walk through spilled material - Slippery when spilt. Avoid breathing vapours and contact with eyes, Absorb on sand, dirt, vermiculite or similar absorbent material. Place into labeled drums and dispose of according to local government regulations. Immediately notify emergency services (Police or Fire Brigade) if the spill is too large for you to safely and effectively handle.
PPE	Personal Protective Equipment advice is contained in Section 8 of the SDS

SECTION 7 HANDLING AND STORAGE

Precautions for safe handling

Safe handling	Pregnant women should not come in contact with the product. Containers, even those that have been emptied, may contain explosive vapours. Do NOT cut, drill, grind, weld or perform similar operations on or near containers. **Contains low boiling substance:** Check for bulging containers. Vent periodically Always release caps or seals slowly to ensure slow dissipation of vapours.
Other information	Store in original containers. Keep containers securely sealed. No smoking, naked lights or ignition sources. Store in a cool, dry, well-ventilated area out of direct sunlight. Store away from incompatible materials and foodstuff containers. Protect containers against physical damage and check regularly for leaks. Observe manufacturer's storage and handling recommendations contained within this SDS.

Conditions for safe storage, including any incompatibilities.

Suitable container	Keep in original container
Storage incompatibility	Avoid storing with **oxidising** agents

PACKAGE MATERIAL INCOMPATIBILITIES

Not Available

SECTION 8 EXPOSURE CONTROLS / PERSONAL PROTECTION

Control parameters

OCCUPATIONAL EXPOSURE LIMITS (OEL)

INGREDIENT DATA

Source	Ingredient	Material name	TWA	STEL	Peak	Notes
Australia Exposure Standards	Methyl ethyl ketone	MEK	150 ppm /445 mg/m3	300ppm / 890 mg/m3	Not available	Not available
Australia Exposure Standards	Toluene	Toluene	50 ppm / 191 mg/m3	150 ppm / 574 mg/m3	Not available	Sk

Exposure controls

Appropriate engineering controls	Maintain adequate ventilation at all times. In most circumstances natural ventilation systems are adequate. If ventilation is poor, then the use of a local exhaust ventilation system is recommended.
Personal protection	
Eye and face protection	Wear safety glasses with side shields or chemical goggles if splashing is likely.
Skin protection	See Hand protection below
Hands/feet protection	Wear chemical protective gloves, e.g. PVC.
Body protection	See Other protection below
Other protection	Not usually necessary.
Thermal hazards	Not Available

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Appearance	Colourless clear liquid

Physical state	Liquid	**Relative density (Water = 1)**	0.8 – 0.86
Odour	Characteristic	**Partition coefficient n-octanol / water**	Not Available
Odour threshold	Not Available	**Auto-ignition temperature (°C)**	Not Available
pH (as supplied)	Not Applicable	**Decomposition temperature**	Not Available
Melting point / freezing point (°C)	Not Available	**Viscosity (cSt)**	Not Available
Initial boiling point and boiling range (°C)	79 - 112	**Molecular weight (g/mol)**	140
Flash point (°C)	-4	**Taste**	Not Available
Evaporation rate	Not Available	**Explosive properties**	Not Available
Flammability	Highly flammable	**Oxidising properties**	Not Available
Upper Explosive Limit (%)	Not Available	**Surface Tension (mN/m)**	Not Available
Lower Explosive Limit(%)	Not Available	**Volatile Component (%vol)**	100
Vapour pressure (kPa)	2.2	**Gas group**	Not Available
Solubility in water (g/L)	250 (MEK)	**pH as a solution (1%)**	Not Applicable
Vapour density (Air = 1)	Not Available	**VOC g/L**	Not Available

SECTION 10 STABILITY AND REACTIVITY

Reactivity	See section 7
Chemical stability	Unstable in the presence of incompatible materials. Product is considered stable. Hazardous polymerisation will not occur.
Possibility of hazardous reactions	Risk of explosion with some acids strong oxidising agents
Conditions to avoid	See section 7
Incompatible materials	Incompatible/reactive with oxidising agents and strong acids
Hazardous decomposition products	Fire/decomposition may produce irritating and/or toxic fumes, including oxides of Carbon and Nitrogen, smoke and other toxic fumes.

SECTION 11 TOXICOLOGICAL INFORMATION

Information on toxicological effects

toluene	Acute toxicity	Oral LD50 (rat) 5580 mg/kg; Inhalation LC50 (rat) 25.7 mg/L 4h; Dermal LD50 (rabbit) >5000 mg/kg
	Skin corrosion/irritation	Irritating
	Eye damage/irritation	Not irritating
	Respiratory/skin sensitization	Not sensitising
	Germ cell mutagenicity	Not mutagenic
	Carcinogenicity	No available data
	Reproductive toxicity	Suspected of damaging the unborn child.
	STOT (single exposure)	May cause drowsiness or dizziness. - Central nervous system
	STOT (repeated exposure)	May cause damage to organs through prolonged or repeated exposure.- Central nervous system

	Aspiration toxicity	Aspiration may cause pulmonary oedema and pneumonitis.
methyl ethyl ketone	Acute toxicity	Oral LD50 (rat) >2000 mg/kg
	Skin corrosion/irritation	Irritating
	Eye damage/irritation	Mild irritation
	Respiratory/skin sensitization	Not a sensitiser
	Germ cell mutagenicity	Nonhazardous
	Carcinogenicity	Nonhazardous
	Reproductive toxicity	Nonhazardous
	STOT (single exposure)	May cause respiratory irritation
	STOT (repeated exposure)	No available data
	Aspiration toxicity	No available data

SECTION 12 ECOLOGICAL INFORMATION

TOXICITY

	Endpoint	Duration (Hr.)	Species	Value
toluene	LC50	96	fish	10 – 100 mg/L

Persistence and degradability

No information available

Bio accumulative potential

No information available

Mobility in soil

No information available

SECTION 13 DISPOSAL CONSIDERATIONS

Waste treatment methods

Disposal of product/packaging	Containers may still present a chemical hazard/ danger when empty. Dispose of product / containers in accordance with local government regulations

SECTION 14 TRANSPORT INFORMATION

Labels Required

	
Marine Pollutant	NO
HAZCHEM	•3Y

Land transport (ADG):

UN Number	1993
UN proper shipping name	FLAMMABLE LIQUID N.O.S. (contains toluene and methyl ethyl ketone)
Transport hazard class(es)	Class: 3 Sub risk: Not applicable
Packing group	II
Environmental Hazard	Not applicable
Special precautions for user	Special provisions: 223 Limited quantity: 1L

SECTION 15 REGULATORY INFORMATION

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

TOLUENE IS FOUND ON THE FOLLOWING REGULATORY LISTS

Australia Hazardous Chemical Information System (HCIS) - Hazardous Chemicals
Australian Inventory of Industrial Chemicals (AIIC)
Australia Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP) - Schedule 5

METHYL ETHYL KETONE IS FOUND ON THE FOLLOWING REGULATORY LISTS

Australian Inventory of Industrial Chemicals (AIIC)
Australia Hazardous Chemical Information System (HCIS) - Hazardous Chemicals
Australia Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP) - Schedule 5

SECTION 16 OTHER INFORMATION

Revision Schedule

Revision Date	Not applicable
Initial Date	28/08/2025

SDS Version Summary

Version	Issue Date	Sections Updated
1.0	28/08/2025	All sections originated

Other information

Classification of the preparation and its individual components has drawn on official and authoritative sources such as the ECHA C&L Chemical Inventory, HSNO (CCID) New Zealand, AICIS and HCIS Australia

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Definitions and abbreviations

PC-TWA;	Permissible Concentration-Time Weighted Average
PC-STEL:	Permissible Concentration-Short Term Exposure Limit
IARC:	International Agency for Research on Cancer
ACGIH:	American Conference of Government Industrial Hygienists
STEL:	Short Term Exposure Limit
TEEL:	Temporary Emergency Exposure Limit
IDLH:	Immediate Danger to Life or Health Concentrations
OSF:	Odour Safety Factor
NOAEL:	No Observed Effects Level
TLV:	Threshold Limit Value
LOD:	Limit Of Detection
OTV:	Odour Threshold Value
BCF:	Bio Concentration Factors
BEI:	Biological Exposure Index

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End of SDS