SAFETY DATA SHEET

X-55 BRAKE CLEANER

OMIKRON AUTO DETAILING PRODUCTS

Product code: **X-55**
Version No: **2.0**
Issue date: **17/06/2025**
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	X-55 BRAKE CLEANER
Product code	X-55
Pack size	1L / 5L/ 20L/ 200L/ 1000L
UN proper shipping name	HEPTANES

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

Relevant identified uses	Brake Cleaner

Details of the supplier of the safety data sheet

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	Not Available

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	Flammable liquids, Category 2; Skin irritation, Category 2; Specific target organ toxicity - single exposure, Category 3 (narcotic effects); Aspiration hazard, Category 1; Acute aquatic hazard, Category 1; Chronic aquatic hazard, Category 1
	Classification drawn from HCIS CCID 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
H335	May cause respiratory irritation
H373	May cause damage to organs through prolonged or repeated exposure
H410	Very toxic to aquatic life with long lasting effects

Precautionary statement(s) Prevention

P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P233	Keep container tightly closed.
P240	Ground and bond container and receiving equipment.
P241	Use explosion-proof electrical/ventilating/lighting/.../equipment.
P242	Use non-sparking tools.
P243	Take action to prevent static discharges
P261	Avoid breathing mist/vapours/spray.
P273	Avoid release to the environment.
P280	Wear protective gloves / protective clothing / eye protection / face protection.
P264	Wash contaminated skin thoroughly after handling

Precautionary statement(s) Response

P301+P310+ P331	IF SWALLOWED: Immediately call a POISON CENTER or doctor. Do NOT induce vomiting.
P303+P361+P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
P304 +P340+P312	IF INHALED: Remove person to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTRE or doctor if you feel unwell.
P363	Wash contaminated clothing before reuse.
P370+P378	In case of fire: Use dry chemical, carbon dioxide or alcohol resistant foam to extinguish
P391	Collect spillage.

Precautionary statement(s) Storage

P405+P403+P233	Store locked up in a well-ventilated place. Keep container tightly closed.
P235	Keep cool.

Precautionary statement(s) Disposal

P501	Dispose of contents / container in accordance with local regulations

SECTION 3 COMPOSITION / INFORMATION ON INGREDIENTS

Substances

See section below for composition of Mixtures.

Mixtures

CAS No	%[weight]	Name
Various	>60	Heptane and Isomers
107-83-5	10 - <30	Isohexane

The specific chemical identity and/or exact percentage (concentration) of composition has been withheld as a trade secret.

SECTION 4 FIRST AID MEASURES

Description of first aid measures

Eye Contact	If this product comes in contact with the eyes: Immediately hold eyelids apart and flush the eye continuously with 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. Continue flushing until advised to stop by the Poisons Information Centre or a doctor, or for at least 15 minutes. Removal of contact lenses after an eye injury should only be undertaken by skilled personnel. Seek medical advice/attention if irritation persists
Skin Contact	If skin or hair contact occurs: Immediately flush body and clothes with large amounts of water, using safety shower if available. Quickly remove all contaminated clothing, including footwear. Wash skin and hair with running water. Seek medical advice/attention if irritation persists
Inhalation	If fumes are inhaled remove from contaminated area. Lay patient down. Keep warm and rested. Prostheses such as false teeth, which may block airway, should be removed, where possible, prior to initiating first aid procedures. Apply artificial respiration if not breathing, preferably with a demand valve resuscitator, bag-valve mask device, or pocket mask as trained. Perform CPR if necessary. Seek medical advice/attention
Ingestion	If swallowed do **NOT** induce vomiting. Obtain immediate 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. Transport to hospital or doctor without delay.

Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

Avoid gastric lavage: risk of aspiration of product to the lungs with the potential to cause chemical pneumonitis.

SECTION 5 FIREFIGHTING MEASURES

Extinguishing media

Extinguishing media	Foam, dry chemical powder, carbon dioxide or dry sand. Water spray or fog for large fires. Do not use a solid water stream as it may scatter and spread fire.

Special hazards arising from the substrate or mixture.

Fire incompatibilities	Oxidising agents, strong acids.

Advice for firefighters

Fire Fighting	Alert Fire Brigade and tell them location and nature of hazard. Wear breathing apparatus plus protective gloves in the event of a fire. Prevent, by any means available, spillage from entering drains or water courses. Use firefighting procedures suitable for surrounding area. **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.
Fire/Explosion Hazard	Combustion may release toxic fumes of carbon dioxide (CO2), carbon monoxide. May emit corrosive fumes.
HAZCHEM	3YE

SECTION 6 ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Minor Spills	Clean up all spills immediately. Eliminate any ignition sources Avoid breathing vapours/ aerosols/ or dusts and avoid contact with skin and eyes. Control personal contact with the substance, by using protective equipment. Contain and absorb spill with sand, earth, inert material or vermiculite. Place in a suitable, labelled container for waste disposal.
Major Spills	Wear breathing apparatus plus protective gloves. Eliminate any ignition sources Prevent, by any means available, spillage from entering drains or water course. Keep upwind of the spill. Stop leak if safe to do so. Absorb on sand, dirt, vermiculite or similar absorbent material. Place into labelled 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 this SDS

SECTION 7 HANDLING AND STORAGE

Precautions for safe handling

Safe handling	**This product is flammable. Do not open near open flame, sources of heat or ignition. No smoking.** **DO NOT** allow clothing wet with material to stay in contact with skin Avoid all personal contact. Wear protective clothing when risk of exposure occurs. Avoid contact with incompatible materials. When handling, DO NOT eat, drink or smoke. Keep containers securely sealed when not in use. Avoid physical damage to containers. Material will accumulate static charge. Use grounding leads to avoid discharge (electrical spark). Use only with adequate ventilation and avoid breathing vapour. Observe good industrial hygiene practices.
Other information	Store in a cool, dry place away from direct sunlight. Do not pressurise, cut, heat or weld containers - residual vapours are flammable.

Conditions for safe storage, including any incompatibilities.

Suitable containers	Packaging as recommended by the manufacturer
Storage incompatibility	Avoid strong acids Avoid reaction with oxidising agents.

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	heptane	n-heptane	1640 mg/m3 (400 ppm)	2050 mg/m3 (500 ppm)	Not Available	Not Available

Exposure controls

Appropriate engineering controls	The use of local exhaust ventilation is recommended to control process emissions near the source. Laboratory samples should be handled in a fume hood. Provide mechanical ventilation of confined spaces. Use explosion-proof ventilation equipment.
Personal protection	
Eye and face protection	Chemical goggles or safety glasses
Skin protection	Barrier cream.
Hands/feet protection	Elbow length chemical gloves. Butyl rubber is recommended for this application.
Body protection	Wear long sleeved, chemical resistant protective clothing.
Other protection	Respiratory protection: Where concentrations in air may exceed the limits described in the National Exposure Standards, it is recommended to use a half-face or full-face filter mask to protect from overexposure by inhalation. Recommended filter type: Type A filter (organic vapour)
Thermal hazards	Not Available

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Appearance	Colourless liquid

Physical state	Liquid	**Relative density (Water = 1)**	0.69
Odour	Petrol like	**Molecular weight (g/mol)**	Not Available
Odour threshold	Not Available	**Auto-ignition temperature(°C)**	>200
pH (as supplied)	Not Applicable	**Decomposition temperature**	Not Available
Melting point / freezing point (°C)	Not Available	**Surface Tension (dyn/cm or mN/m)**	Not Available
Initial boiling point and boiling range °C)	85 -100	**Partition coefficient n-octanol /water**	Not Available
Flash point (°C)	-17	**Taste**	Not Available
Evaporation rate	Not Available	**Explosive properties**	Not Available
Flammability	Highly flammable	**Oxidising properties**	Not Available
Upper Explosive Limit (%)	8.0	**Viscosity (cSt)**	Not Available
Lower Explosive Limit(%)	1.0	**Volatile Component (%vol)**	100
Vapour pressure (kPa)	Not Available	**Gas group**	Not Available
Solubility in water (g/L)	Not Available	**pH as a solution (1%)**	Not Available
Vapour density (Air = 1)	Not Available	**VOC g/L**	Not Available

SECTION 10 STABILITY AND REACTIVITY

Reactivity	No reactivity hazards identified
Chemical stability	Stable at room temperature and pressure. Hazardous polymerisation will not occur.
Possibility of hazardous reactions	None anticipated. Avoid contact with oxidizing agents, mineral acids, halogenated organic compounds.
Conditions to avoid	Sources of heat and ignition, open flames.
Incompatible materials	Oxidising agents, strong acids
Hazardous decomposition products	Carbon monoxide, carbon dioxide and other organic complexes on incomplete burning or oxidation.

SECTION 11 TOXICOLOGICAL INFORMATION

Information on toxicological effects

Inhaled	This product is irritating to the respiratory tract. Exposure to large concentrations over an extended period of time will result in muscle weakness, tingling in hands and feet, blurred vision, headaches, nausea, loss of appetite, hallucinations, and possible loss of consciousness.
Ingestion	Produces hallucinations and narcotic effect. Ingestion of large amounts will result in drowsiness, fatigue, loss of appetite, paresthesia in distal extremities (tingling in hands and feet). Possibility of muscle weakness, cold pulsation in extremities (hands and feet), blurred vision, headache, and nausea. Vomiting may cause this product to be aspirated to the lungs resulting in chemical pneumonitis or pulmonary oedema.
Skin Contact	This product is irritating to the skin with prolonged exposure. It may result in dryness and cracking.
Eye	This product is irritating to eyes, but will not permanently damage the eye tissue
Chronic	There is evidence of potentially irreversable damage to the peripheral nervous system, particularly arms and legs.

Toxicological effects of ingredients

heptane	Acute toxicity	Not classified as acutely toxic by ingestion or skin contact. Inhalation LC50 1000 ppm (human)
	Skin corrosion/irritation	Causes skin irritation
	Eye damage/irritation	Not classified
	Respiratory/skin sensitization	Not classified
	Germ cell mutagenicity	Not classified
	Carcinogenicity	Not classified
	Reproductive toxicity	Not classified
	STOT (single exposure)	May cause drowsiness or dizziness
	STOT (repeated exposure)	May cause damage to organs through prolonged or repeated exposure
	Aspiration toxicity	May be fatal if swallowed and enters airways

12 ECOLOGICAL INFORMATION

Toxicity

Very toxic to aquatic life with long lasting effects

	Endpoint	Duration (Hr.)	Species	Value
isoheptane	LC50	96	Fish	0.961 mg/L
	EC50	48	Crustacean	2.212 mg/L
	EC50	96	Algae	1.526 mg/L
n-heptane	LC50	96	Fish	375 mg/L
	LC50	96	Crustacean	2500 mg/L

Persistence and degradability

Readily biodegradable. Oxidises rapidly by photo-chemical reactions in air.

Bio accumulative potential

Does not bioaccumulate significantly.

Mobility in soil

This product is highly volatile and will rapidly evaporate to the air if released into the water.

SECTION 13 DISPOSAL CONSIDERATIONS

Waste treatment methods

Disposal of product / packaging	Dispose of product as chemical waste via a licenced service provider. Empty packaging should be taken for recycling, recovery or disposal through a suitably qualified or licensed contractor.

SECTION 14 TRANSPORT INFORMATION

Labels Required

	
Marine Pollutant	YES
HAZCHEM	3YE

Land transport (ADG):

UN Number	1206
UN proper shipping name	HEPTANES
Transport hazard class(es)	Class: 3 Sub risk: Not applicable
Packing group	II
Environmental Hazard	YES
Special precautions for user	Special provisions: None Limited quantity: 1L

SECTION 15 REGULATORY INFORMATION

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

HEPTANE IS FOUND ON THE FOLLOWING REGULATORY LISTS

Australia Hazardous Chemical Information System (HCIS) - Hazardous Chemicals
Australian Inventory of Industrial Chemicals (AIIC)

SECTION 16 OTHER INFORMATION

Revision Schedule

Revision Date	17/06/2025
Initial Date	05/06/2025

SDS Version Summary

Version	Issue Date	Sections Updated
1.0	05/06/2025	All sections originated
2.0	17/06/2025	All sections. New formulation.

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, NICNAS 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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