SECTION 1 – STATEMENT OF CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

SUPPLIER:	Auto Klene Solutions Aust. Pty Ltd		
ADDRESS:	Building 51, 885 Mountain Highway, Bayswater, 3153 VIC		
Trade Name:	**ORANGE CRUSH**		
TELEPHONE:	03 8761 1900	**email:**	sales@autoklene.com
AH EMERGENCY TELEPHONE:	1300 774 575 in Australia (M-F 7am-7pm)	**Synonym:**	Tar and glue remover
Substance:	Solvent blend	**Product Use:**	Tar and glue remover
Creation Date:	19 February 2025	**Revision Date:**	19 February 2030

SECTION 2 – HAZARDS IDENTIFICATION

Classification of the substance or mixture	
Dangerous Goods	Not classified as Dangerous Goods by the criteria of the "Australian Code for the Transport of Dangerous Goods by Road & Rail".
GHS Classification	Flammable Liquid - Category 4 Skin Irritation - Category 2 Skin Sensitiser - Category 1 Eye Irritation - Category 2A Specific Target Organ Toxicity (Single Exposure - Narcotic Effects) - Category 3
Poisons Schedule	S5 Caution
Label elements	
GHS label pictograms	
Signal word	**WARNING**
Hazard statement(s)	
AUH019	May form explosive peroxides.
H227	Combustible liquid.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H410	Very toxic to aquatic life with long lasting effects.
Precautionary statement(s): General	
P102	Keep out of reach of children.
P103	Read carefully and follow all instructions.
Precautionary statement(s): Prevention	
P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P261	Avoid breathing fumes, mist, vapours and spray.
P264	Wash hands and all exposed skin thoroughly after handling.
P271	Use only outdoors or in a well-ventilated area.
P272	Contaminated work clothing should not be allowed out of the workplace.

Precautionary statement(s): Response	
P101	If medical advice is needed, have product container or label at hand.
P303+P361+P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.
P321	Specific treatment (see first aid section on product label).
P332+P313	If skin irritation occurs: Get medical advice.
P362+P364	Take off contaminated clothing and wash it before reuse.
P370+P378	In case of fire: Use foam, dry chemical powder and water fog or spray for extinction.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337+P313	If eye irritation persists: Get medical advice.
P304+P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P312	Call a POISON CENTRE or doctor if you feel unwell.
Precautionary statement(s): Storage	
P403	Store in a well-ventilated place.
P405	Store locked up.
Precautionary statement(s): Disposal	
P501	Dispose of contents and container in accordance with local regulations.
Note	
IMPORTANT	This SDS and the hazard classifications contained therein, only apply to the product in its concentrated form, as supplied.

SECTION 3 – COMPOSITION AND INFORMATION ON INGREDIENTS

Ingredients:	CAS Number:	Proportion (%w/w):
D-limonene	5989-27-5	> 60
Ingredients determined to be non-hazardous at the concentrations used	various	balance

SECTION 4 – FIRST AID MEASURES

Inhalation	Remove person to fresh air away from exposure. Remove contaminated clothing and loosen remaining clothing. Allow person to assume most comfortable position and keep warm. Keep at rest until fully recovered. Seek medical attention if effects persist.
Skin contact	If skin or hair contact occurs, remove contaminated clothing and flush skin and hair with running water. Continue flushing with water until advised to stop by the Poisons Information Centre or a doctor; or for 15 minutes and transport to doctor or hospital for medical advice.
Eye contact	Immediately irrigate with copious quantities of water for 15 minutes. Eyelids to be held open. If symptoms occur, seek medical advice and transport to hospital or medical centre.
Ingestion	Do NOT induce vomiting. Do NOT attempt to give anything by mouth to an unconscious person. Rinse mouth thoroughly with water. Give water to drink. If vomiting occurs, give further water to achieve effective dilution. Seek medical assistance.
Advice to Doctor	Treat symptomatically
First Aid Facilities	Eye wash station. Normal washroom facilities.

SECTION 5 – FIRE FIGHTING MEASURES	
Fire and Explosion Hazards	Liquid combustible. May be violently or explosively reactive. Long standing in contact with air and light may result in the formation of potentially explosive peroxides. Vapour forms an explosive mixture with air. Moderate explosion hazard when exposed to heat or flame. Vapour may travel a considerable distance to source of ignition. Heating may cause expansion or decomposition leading to violent rupture of containers.
Extinguishing Media	Use foam, dry chemical powder and water fog or spray.
Fire Fighting	Evacuate area - move upwind of fire. If safe, switch off electrical equipment until vapour fire hazard removed. Keep containers exposed to extreme heat cool with water spray. Avoid spraying water onto liquid pools. Fire fighters to wear self-contained breathing apparatus if risk of exposure to products of combustion or decomposition.
Flash Point	>63^{o}C
Hazchem	NA

SECTION 6 – ACCIDENTAL RELEASE MEASURES	
Emergency Procedures	Wear PPE in accordance with Section 8 of this SDS. Minor spills: Clean up all spills immediately. Isolate ignition sources. Avoid inhalation of vapours. Wipe up with absorbent (clean rag or paper towels). Collect and seal in properly labelled containers or drums for disposal. In the event of a major spill, prevent spillage from entering drains or water courses. Consider evacuation or clear area of personnel and move upwind. Isolate ignition sources. Wear appropriate personal protective equipment and clothing to prevent exposure. Increase ventilation. If possible, contain the spill. Place inert absorbent material onto spillage. Collect the material and place into a suitable labelled container. Dispose of waste according to the applicable local and national regulations. If contamination of sewers or waterways occurs inform the local water and waste management authorities in accordance with local regulations.

SECTION 7 – HANDLING AND STORAGE	
Handling	Avoid all personal contact, including skin, eyes and inhalation. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Keep container tightly closed. Use non-sparking tools. Take action to prevent static discharges. Wear protective clothing when risk of exposure occurs. Use in a well-ventilated area. Avoid contact with incompatible materials. When handling, DO NOT eat, drink or smoke. Keep containers closed at all times. Avoid physical damage to containers. Always wash hands with water after handling. Launder contaminated clothing before reuse.
Storage	Store in original containers, in a cool, dry, well-ventilated place and out of direct sunlight. Store away from foodstuffs. Store away from incompatible materials described in Section 10. Store away from sources of heat and/or ignition. Keep container standing upright. Keep containers closed when not in use - check regularly for leaks. C1 Combustible Liquid.

SECTION 8 – EXPOSURE CONTROLS AND PERSONAL PROTECTION	
Exposure Limits	National Occupational Exposure Limits, as published by Safe Work Australia.
Ventilation	Use only in well-ventilated areas. Use with local exhaust ventilation or while wearing appropriate respirator.
Personal Protective Equipment	Use good occupational work practice. The use of protective clothing and equipment depends upon the degree and nature of exposure. The PPE recommendations below only apply to the product in its concentrated form, as supplied.
Eye Protection 	Safety glasses should be used for handling concentrate in quantity, cleaning up spills, decanting, etc. Eye protection devices should conform to relevant regulations. Eye protection should conform with Australian/New Zealand Standard AS/NZS 1337 - Eye Protectors for Industrial Applications.

Hand Protection 	Wear gloves of impervious material such as PVC – to handle in quantity, clean up spills, decanting, etc. Final choice of appropriate gloves will vary according to individual circumstances. Occupational protective gloves should conform to relevant regulations. Reference should be made to AS/NZS 2161.1: Occupational protective gloves - Selection, use and maintenance.
Body Protection 	Suitable protective workwear, e.g. overalls or a protective suit are recommended. A chemical resistant apron is recommended where large quantities are handled.
Respirator	If engineering controls are not effective in controlling airborne exposure, then an approved respirator with a replaceable mist filter should be used. Refer to relevant regulations for further information concerning respiratory protective requirements. Reference should be made to Australian Standards AS/NZS 1715, Selection, Use and Maintenance of Respiratory Protective Devices; and AS/NZS 1716, Respiratory Protective Devices, in order to make any necessary changes for individual circumstances.

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

Physical State	Liquid	**Colour**	Clear to slight yellow
Odour	Mild to strong citrus odour	**Specific Gravity**	0.84 @ 20°C
Boiling Point	180 °C	**Freezing Point**	Not available
Vapour Pressure	0.4 kPa @ 20°C	**Vapour Density**	4.7
Flash Point	> 63ºC	**Evaporation Rate**	5.8
Water Solubility	Insoluble	**pH**	Not available
Auto-ignition Temp	237°C	**Lower Explosive Limit (%)**	6.1
Flammability	Combustible		

SECTION 10 – STABILITY AND REACTIVITY

Reactivity	Stable at normal temperatures and pressure.
Conditions to Avoid	Heat, hot surfaces, sparks, open flames and other ignition sources
Incompatibilities	Avoid contamination with oxidising agents i.e. nitrates, oxidising acids, chlorine bleaches, pool chlorine etc. as ignition may result
Hazardous Decomposition	On combustion, may emit toxic fumes of carbon monoxide (CO), carbon dioxide (CO_2) and other pyrolysis products typical of burning organic material.

SECTION 11 – TOXICOLOGICAL INFORMATION

POTENTIAL HEALTH EFFECTS

No adverse health effects expected if the product is handled in accordance with this Safety Data Sheet and the product label. Symptoms or effects that may arise if the product is mishandled and overexposure occurs are:

Inhalation	Material may be an irritant to mucous membranes and respiratory tract. Inhalation of vapour can result in headaches, drowsiness, dizziness and possible nausea. Inhalation of high concentrations can produce central nervous system depression, which can lead to loss of co-ordination, impaired judgement and if exposure is prolonged, unconsciousness.
Skin contact	Contact with skin will result in irritation. Severity depends on the concentration and duration of exposure. May cause an allergic skin reaction.
Eye contact	Contact with eyes will cause serious eye irritation.
Ingestion	Swallowing may result in nausea, vomiting and irritation of the gastrointestinal tract. Ingestion may also cause aspiration into the lungs with the risk of chemical pneumonitis.
Chronic exposure	Sensitisation may result in allergic dermatitis responses including rash, itching, hives or swelling of extremities.
Toxicology Information	Not toxic, based on ingredient calculated values.

Carcinogen Status	
SWA	No significant ingredient is classified as carcinogenic by SWA.
Respiratory Sensitisation	Not expected to be a respiratory sensitizer.
Skin Sensitisation	This material has been classified as a Skin Sensitizer Category 1, contact with skin will result in irritation.
Germ cell mutagenicity	Not considered to be a mutagenic hazard.
Reproductive Toxicity	Not considered to be toxic to reproduction.
STOT-single exposure	This material has been classified as a Category 3 Hazard (single exposure - narcotic effects). Exposure via inhalation may cause drowsiness or dizziness and result in depression of the central nervous system.
STOT-repeated exposure	Not expected to cause toxicity to a specific target organ.
Aspiration Hazard	Not expected to be an aspiration hazard.

SECTION 12 – ECOLOGICAL INFORMATION

Eco-toxicity	Chronic Aquatic Toxicity – Category 1: very toxic to aquatic life with long lasting effects.
Persistence and degradability	No information available
Bio accumulative potential	No information available
Mobility in soil	No information available
Other adverse effects	No information available
Environmental Protection	Do not discharge this material into waterways. Do not contaminate water when cleaning equipment or disposing of equipment wash waters.

SECTION 13 – DISPOSAL CONSIDERATIONS

	Dispose of waste according to applicable local and national regulations. Do not allow into drains or watercourses or dispose of where ground or surface waters may be affected. Wastes including emptied containers are controlled wastes and should be disposed of in accordance with all applicable local and national regulations.

SECTION 14 – TRANSPORT INFORMATION

ADG	Not classified as Dangerous Goods by the criteria of the "Australian Code for the Transport of Dangerous Goods by Road & Rail".
Marine Pollutant	Yes
Land Transport (ADG)	
UN Number	NA
Proper Shipping Name	C1 Combustible Liquid
Class	NA
HAZCHEM Code	NA
Packing Group	NA
ERG	NA

SECTION 15 – REGULATORY INFORMATION

GHS Classification	Classified as Hazardous according to the Globally Harmonised System of Classification and labelling of Chemicals (GHS) including Work, Health and Safety regulations, Australia.
SUSMP	S5 Caution
ADG Code	Not classified as Dangerous Goods by the criteria of the "Australian Code for the Transport of Dangerous Goods by Road & Rail".
AICS	All ingredients present on AICS

SECTION 16 – OTHER INFORMATION	
Issue Date	19 February 2025
Version Number	V9: Formula Change
Abbreviations and acronyms	**ADG Code**: Australian Code for the Transport of Dangerous Goods by Road and Rail. **AICS:** Australian Inventory of Chemical Substances. **CAS Number**: Chemical Abstracts Service Registry Number. **GHS**: Globally Harmonized System of Classification and Labelling of Chemicals **HAZCHEM:** An emergency action code which gives information to emergency services. **SWA**: Safe Work Australia. **SDS**: Safety Data Sheet **STEL**: Short Term Exposure Limit. **SUSMP**: Standard for the Uniform Scheduling of Medicines and Poisons. **TWA**: Time Weighted Average. **UN Number**: United Nations Number.
Literature references	Preparation of Safety Data Sheets for Hazardous Chemicals – Code of Practice (Safe Work Australia) GHS Hazardous Chemical Information List (Safe Work Australia) Guidance on the Classification of Hazardous Chemicals under the WHS Regulations. "Australian Exposure Standards". Safe Work Australia Australian Code for The Transport of Dangerous Goods by Road and Rail Standard for the Uniform Scheduling of Medicines and Poisons Safety Data Sheets – individual raw materials – Suppliers
Disclaimer	This SDS summarizes at the date of issue our best knowledge of the health and safety hazard information of this product, and in particular how to safely handle and use this product in the workplace. Since the supplier cannot anticipate or control the conditions under which the product may be used, each user must, prior to usage, review this SDS in the context of how the user intends to handle and use the product in the workplace. If clarification or further information is needed to ensure that an appropriate assessment can be made, the user should contact this supplier.
End of SDS	