MATERIAL SAFETY DATA SHEET

Section 1: IDENTIFICATION

CITRUS CLEAN

Recommended Use: Citrus based solvent ideal for carpet spotting.
Also used as a powerful heavy-duty degreaser.
Product Code: 832

MASTER AUSTRALIA PTY LTD (A.B.N. 45 142 705 762)
Postal Address: 45 Marrickville Rd, Marrickville, NSW 2204
Telephone Number: (02) 9550 5800 Facsimile: (02) 9550 5876
Emergency Telephone Number: Poisons Information Centre (National) 13 11 26

Section 2: HAZARDS IDENTIFICATION

Classified as hazardous by the criteria of Safe Work Australia.
Irritant.

R38: Irritating to skin.

R43: May cause sensitisation by skin contact.

S24: Avoid contact with skin.

S37: Wear suitable gloves.

S60: This material and its container must be disposed of as hazardous waste.

S61: Avoid release to the environment.

Section 3: COMPOSITION INFORMATION

Ingredient	CAS No	Proportion
D-limonene	5989-27-5	30-60%
Dipropylene glycol monomethyl ether	34590-94-8	30-60%
Non-hazardous ingredients	----------	To 100%

Section 4: FIRST AID MEASURES

Eye (Contact)	Hold eyelids apart and flush the eye continuously with running water. Continue flushing until advised to stop by the Poisons Information Centre, or for at least 15 minutes.
Skin (Contact)	Remove contaminated clothing and flush skin and hair with running water.
Inhalation(Breathing)	Apply artificial respiration if not breathing.
Ingestion (Swallowing)	Do NOT induce vomiting. For advice, contact a Poisons Information Centre (Phone 131126) or a doctor.

Advice to Doctor Treat symptomatically.

Section 5: FIRE FIGHTING MEASURES

Suitable extinguishing media Use dry chemical powder, foam, polymer foam, water spray or fog type extinguishers.

Hazards from combustion products May emit toxic and/or irritating fumes including carbon monoxide and carbon dioxide.

Precautions for fire fighters and special protective equipment Fire fighters should wear self contained breathing apparatus (SCBA) and complete protective clothing.

Additional information **Hazchem** – 3[Y].
Vapour may form explosive mixtures at or above 48^{o}C. Liquid can float on water and may possibly travel to distant locations and/or spread fire. Vapour is heavier than air and may spread along ground and collect in low areas.

Section 6: ACCIDENTAL RELEASE MEASURES

Emergency procedures SAA/SNZ HB76: Dangerous Goods – Initial Emergency Response Guide – Guide 14.

Methods and materials for containment and clean up Eliminate all ignition sources and do not smoke. Wear protective equipment such as protective gloves to avoid skin contact. Ventilate area thoroughly and wear a respirator if necessary to minimise inhalation. Small spills can be wiped up. Large spills should be absorbed by dirt, sand, vermiculite or other suitable absorbents for disposal. Do not hose spills down drains, sewers or waterways.

Section 7: HANDLING AND STORAGE

Precautions for safe handling Any non-intended or non-authorised use of this product may result in severe personal injury or damage to equipment.
Store product in original container.
Wash hands and face thoroughly after handling and before work breaks, eating, drinking, smoking and using toilet facilities.

Conditions for safe storage, including any incompatibilities Store in a cool, dry, well ventilated area away from incompatible materials. Keep container tightly sealed. Check regularly for spills and leaks. Protect against physical damage.

Section 8: EXPOSURE CONTROL/PERSONAL PROTECTION

National Exposure Standards - Source: National Exposure Standards for Atmospheric Contaminants in the Occupational Environment [NOHSC:1003].

Ingredient	CAS No	TWA	STEL
Dipropylene glycol monomethyl ether	34590-94-8	50ppm 308mg/m^3	----------

Biological limit values Not available.

Engineering controls Ensure adequate ventilation to keep airborne concentrations below exposure standards.

Personal protective equipment


Eye/face protection – Safety glasses or chemical resistant goggles should be worn to prevent eye contact.
Skin protection – Use impervious gloves, overalls, apron and chemical resistant shoes to prevent skin contact.
Respiratory protection – Respirator is not usually necessary but if product is being used in a confined area or where vapour/mist is a problem, use a respirator with organic vapour filter.

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Clear thin yellow liquid	**Boiling Point:**	Greater than 100^{o}C
Odour:	Characteristic citrus	**Freezing Point:**	Less than 0^{o}C
pH:	Not available	**Solubility:**	Insoluble in water
Vapour Pressure:	Not available	**Specific Gravity:**	0.9
Vapour Density:	Not available	**Flammable information:**	**Flash Point** 55^{o}C – **Method:** ASTM D6450 **Upper and Lower Flammability limits (in air)** Not Available. **Ignition Temperature** Not Available.

Section 10: STABILITY AND REACTIVITY

Chemical stability Stable under normal ambient storage conditions. May oxidise over time, in heat or direct sunlight.

Conditions to avoid Avoid exposure to sources of ignition or open flame. Avoid using in confined space or generating mists or vapours.

Incompatible materials Incompatible with oxidizing agents and acidic agents, peroxides, halogens and vinyl chloride. Maybe slightly corrosive to aluminium and copper. May attack some forms of plastics, rubber and coatings.

Hazardous decomposition products Not known.

Hazardous reactions Not known.

Section 11: TOXICOLOGICAL INFORMATION

HEALTH EFFECTS

Acute

Swallowed Considered an unlikely route of entry in commercial / industrial environments. May cause tissue irritation or damage in the mouth, throat and stomach. Aspiration may cause lung damage.

Eye Liquid and vapour may cause irritation.

Skin Skin irritant. Can be absorbed through skin.

Inhaled Vapour or mists may be irritating to respiratory system. Readily absorbed through inhalation. Strong odour causes discomfort to some people.

Chronic

Swallowed	May cause liver and kidney damage.
Eye	No effects known.
Skin	Oxidised limonene may cause sensitization.
Inhalation	No effects known.

TOXICITY DATA

D-limonene	LD_{50} 4400mg/kg (oral, rat)	RTECS GW6360000
Dipropylene glycol monomethylether	LD_{50} 5400µL/kg (oral, rat)	RTECS JM1575000

Section 12: ECOLOGICAL INFORMATION

Not expected to be ecotoxic.
Biodegradability data not yet available.

Section 13: DISPOSAL CONSIDERATIONS

Refer to state/Territory Land Waste Management Authority. Dispose of material through a licensed waste contractor. Normally suitable for incineration by approved agent.

Section 14: TRANSPORT INFORMATION

Classified as Dangerous Goods by the criteria of the Australian Dangerous Goods Code (ADG Code).

UN Number	1993
UN Proper Shipping Name	FLAMMABLE LIQUID, N.O.S.
Class and subsidiary risk	3 – Flammable
Packing Group	III
Special precautions for user	Not applicable
Hazchem Code	3[Y]

Section 15: REGULATORY INFORMATION

Poisons Schedule (SUSDP): None allocated

All ingredients are listed on the Australian Inventory of Chemical Substances (AICS).

Section 16: OTHER INFORMATION

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