

MATERIAL SAFETY DATA SHEET
GREASE BREAKER

**SECTION 1. – STATEMENT OF HAZARDOUS NATURE CHEMICAL
PRODUCT AND COMPANY IDENTIFICATION**

This product is classified as:	
1. HAZARDOUS according to criteria of the National Occupational Health and Safety Commission	
CARPET CLEANERS WAREHOUSE UNIT 1 3 Sutherland Street Granville, NSW 2142	EMERGENCY TELEPHONE NUMBER 1 800 68 68 69 (AUSTRALIA)
Substance	
Trade Names/	GREASE BREAKER
Product Use	CARPET SPOT REMOVER
Creation Date	MARCH 30, 2004
Revision Date	MARCH 30, 2007

SECTION 2. – COMPOSITION/INFORMATION ON INGREDIENTS

INGREDIENTS	C A S No	PROPORTION
DIPENTENE (D-LIMONENE)	138-86-3	LESS THAN 50%
MINERAL SPIRITS	64742-48-9	LESS THAN 55%

ALSO CONTAINS LESS THAN 1% NON-IONIC SURFACTANT

SECTION 3. – HAZARDOUS IDENTIFICATION

Approved Criteria Classification (Calculated)	IRRITANT R 36,37,38 FLAMMABLE R 10 Safety Phrases: S 2, 15, 16, 24, 25, 27, 28
ADG Classification	FLAMMABLE LIQUID, N.O.S. CLASS 3 PG-III (DIPENTENE, MINERAL SPIRITS)
SUSDP Classification	NONE
UN Number	1993

EMERGENCY OVERVIEW

Colour	CLEAR, WATER-WHITE
Physical Description	THIN LIQUID

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SECTION 3. – HAZARDOUS IDENTIFICATION (cont.)

Odour	PLEASANT, CITRUS
Major Health Hazards	EYE IRRITATION, SKIN IRRITATION, RESPIRATORY SYSTEM IRRITATION

POTENTIAL HEALTH EFFECTS

INHALATION

Short term Exposure	Slight irritation
Long term Exposure	Nose, throat and respiratory tract irritation, coughing, headache.

SKIN CONTACT

Short term Exposure	Slight irritation
Long term Exposure	Slight irritation. Possible drying or defatting of skin. Possible skin sensitizer.

EYE CONTACT

Short term Exposure	Moderate irritation
Long term Exposure	Severe irritation

INGESTION

Short term Exposure	Vomiting, headache, irritation, other medical problems.
Long term Exposure	As for short term exposure

CARCINOGEN STATUS

NOHSC	Not classified
NTP	None
IARC	None

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SECTION 4. – FIRST AID MEASURES

Scheduled Poisons	None
Inhalation	Remove from exposure immediately. Seek medical attention if symptoms persist.
Skin Contact	Remove contaminated clothing immediately. Wash affected area with soap and water. Wash clothing before reuse. Seek medical attention if irritation develops.
Eye Contact	Remove contact lenses at once. Wash eyes immediately with large amounts of water, occasionally lifting upper and lower lids until no evidence of chemical remains. Seek medical attention if irritation remains. Note to physician: NONE
Ingestion	If vomiting occurs, keep head lower than hips to help prevent aspiration. Do not induce vomiting. Seek medical help immediately. Rinse mouth with water, then drink one glass of water. Never give anything by mouth to an unconscious person.

SECTION 5. – FIRE FIGHTING MEASURES

Fire and Explosion Hazards	Flammable liquid. Keep away from heat, sparks and open flame. Guard against spontaneous combustion of improperly discarded rags.
Extinguishing Media	Carbon dioxide foam or dry chemical. Do not use water. Handle as an oil fire. Wear SCBA.
Flash point	46°C (115°F)

SECTION 6. – ACCIDENTAL RELEASE MEASURES

Occupational Release	Stop leak if possible without personal risk. Small spills: Absorb with inert material. Collect in appropriate container for disposal.
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SECTION 7. – HANDLING AND STORAGE

Storage	Store in cool, dry place and out of direct sunlight. Store away from halogens, oxidizers and food stuffs. Keep container closed at all times.
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SECTION 8. – EXPOSURE CONTROLS & PERSONAL PROTECTION

Exposure Limits	No exposure standards available
Ventilation	Based on available information, additional ventilation is not required.
Eye Protection	Safety glasses or goggles should be worn.
Skin Protection	Wear impervious gloves if necessary to prevent skin contact.
Protective Material Types	Butyl Rubber, Natural latex, Neoprene, PVC and Nitrile are all suitable
Respirator	No respirator is required under normal conditions of use.

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SECTION 9. – PHYSICAL AND CHEMICAL PROPERTIES

Physical State	Thin Liquid
Colour	Clear water-white
Odour	Pleasant, Citrus
Boiling Point	Apprx. 154° C
Freezing Point	Not Determined
Vapour Pressure	Not Determined
Vapour Density	Not Determined
Specific Gravity	0.85 (water = 1)
Water Solubility	Not Soluble
Ph	Not Applicable
Volatility	95+%
Odour Threshold	Not available
Evaporation Rate	Not determined
Coefficient of Water / Oil Distribution	Not available

SECTION 10. – STABILITY AND REACTIVITY

Reactivity	Stable at normal pressures and temperatures.
Conditions to Avoid	Avoid contact with incompatible materials
Incompatibilities	Strong Oxidizing materials, peroxides, halogens, acidic clays.
Hazard Decomposition	Thermal decomposition products include oxides of carbon and smoke.
Polymerization	None described

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SECTION 11. – TOXICOLOGICAL INFORMATION

Local Effects Irritation: skin, eyes, ingestion, inhalation

Target Organs Skin

Classification of Hazardous Ingredients

Ingredients **R Phrases**

Dipentene R 38 Irritant R 10 Flammable

Individual Ingredient Information

Dipentene

Irritation Data LD-50 Skin (rat): >5g/kg Rabbit: Severely irritating

Toxicity Data LD-50 oral (rat): > 5 g/kg

Local Effects Irritant: eye, skin, inhalation, ingestion

Acute Toxicity Level Ingestion: Low toxicity

Target Organs Skin

SECTION 12. – ECOLOGICAL INFORMATION

Product may be toxic to aquatic organisms.
No single ingredient (over 1%) recognized as environmental pollutant.

SECTION 13. – DISPOSAL CONSIDERATIONS

Dispose in accordance with all applicable regulations.

SECTION 14. – TRANSPORTATION INFORMATION

ADG Code Class 3

HAZCHEM Code None allocated

Special Provision None

Packaging Group III

Packaging Method None determined

SECTION 15. – REGULATORY INFORMATION

All ingredients present on AICS

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SECTION 16. – OTHER INFORMATION

Labeling	R 10	Flammable
	R 38	Irritating to eyes and skin
Details	S 2	Keep out of reach of children
	S 15	Keep away from heat
	S 16	Keep away from sources of ignition
	S 24/25	Avoid contact with skin and eyes
	S 26	In case of contact with eyes, rinse immediately with plenty of water and Seek medical advice.
	S 27	Take off immediately all contaminated clothing
	S 28	After contact with skin, wash immediately with plenty of soap-suds.
Acronyms	SUSDP	Standard for the Uniform Scheduling of Drugs and Poisons
	ADG Code	Australian Code for the Transport of Dangerous Goods by Road and Rail
	N.O.S.	Not Otherwise Specified
	CAS	Chemical Abstracts Service Registry Number
	UN Number	United Nations Number
	R-Phrases	Risk Phrases
	HAZCHEM Number	An emergency action code of numbers and letters which gives information to emergency services.
	NOHSC	National Occupational Health and Safety Commission
	NTP	National Toxicology Program (USA)
IARC	International Agency for Research on Cancer	
AICS	Australian Inventory of Chemical Substances	