



WATER TREATMENT & RECYCLING SOLUTIONS

MATERIAL SAFETY DATA SHEET

Section 1. Product and Supplier Identification

Product Name : RED DEVIL QUICK BREAK DEGREASER

Other Names :

Use : DEGREASER —FLASH POINT MODIFIED

Supplier : CLEARMAKE PTY LTD

Address : 21 Project Avenue - Noosaville - 4566 QLD

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Emergency : 0417 720 832

Section 2. Hazard Identification

Hazard Statement This product is classified as **hazardous** according to the criteria of Workplace Australia

Product is **NOT** classed as a Dangerous Good within the definition of the Australian Dangerous Goods Code.

Risk Phrases : R65, R38, R51/53
Harmful : May cause lung damage if swallowed; Irritating to skin; Toxic to aquatic organisms / may cause long term adverse effects in aquatic environments

Safety Phrases: S2 S23 S36/37 S61
Keep out of reach of children
Do not breathe vapour
Wear suitable protective clothing
Avoid release to environment. Read MSDS before use.

Section 3. Composition / Information on Ingredients

This composition is classed as a **mixture** of the following ingredients :

Component Name	CAS #	%
Petroleum Distillate Hydrotreated , High Flash	64762-96-7	> 60%
Petroleum Distillate Aromatic, High Flash	64742-94-5	30-60%
Other ingredients determined as non-hazardous		To 100%

Section 4. First Aid Measures

SWALLOWED

If poisoning occurs, contact a doctor or Poisons Information Centre. If swallowed, do NOT induce vomiting. Give a glass of water.

EYE

If this product comes in contact with the eyes: Immediately hold the eyes open and wash continuously for at least 15 minutes with fresh running water. Ensure irrigation under eyelids by occasionally lifting the upper and lower lids. Transport to hospital or doctor without delay. Removal of contact lenses after an eye injury should only be undertaken by skilled personnel.

SKIN

If product comes in contact with the skin: Immediately remove all contaminated clothing, including footwear (after rinsing with water). Wash affected areas thoroughly with water (and soap if available). Seek medical attention in event of irritation.

INHALED

If fumes or combustion products are inhaled: Remove to fresh air. Lay patient down. Keep warm and rested. If breathing is shallow or has stopped, ensure clear airway and apply resuscitation. Transport to hospital, or doctor.

ADVICE TO DOCTOR

Treat symptoms with reference to specific health effects identified above.

Section 5. Firefighting Measures

PRODUCT IS FLASH POINT MODIFIED. Not flammable when exposed to flame. Heating may cause expansion or decomposition leading to violent rupture of containers. Combustion products include carbon dioxide (CO₂) and carbon monoxide (CO) and phosgene.

UNUSUAL FIRE & EXPLOSION HAZARDS

Flash Point Not Flammable (Flash Point Modified)

Section 6. Accidental Release Measures

SPILLS AND DISPOSAL

MINOR SPILLS

Remove all ignition sources. Clean up all spills immediately. Avoid breathing vapours and contact with skin and eyes. Control personal contact by using protective equipment. Contain and absorb spill with sand, earth, inert material or vermiculite. Wipe up. Place in a suitable labelled container for waste disposal.

MAJOR SPILLS

Moderate hazard. Clear area of personnel and move upwind. Alert Fire Brigade and tell them location and nature of hazard. Wear breathing apparatus plus protective gloves. Prevent, by any means available, spillage from entering drains or water course. No smoking, naked lights or ignition sources. Increase ventilation. Stop leak if safe to do so. Contain spill with sand, earth or vermiculite. Collect recoverable product into labelled containers for recycling. Absorb remaining product with sand, earth or vermiculite. Collect solid residues and seal in labelled drums for disposal. Wash area and prevent runoff into drains. If contamination of drains or waterways occurs, advise emergency services.

DISPOSAL

Consult manufacturer for recycling options and recycle where possible. Consult State Land Waste Management Authority for disposal. Incinerate residue at an approved site. Recycle containers where possible, or dispose of in an authorised landfill.

NOTIFICATION PROCEDURES FOR SPILLS

Report spills as required to appropriate authorities such as Local Environmental Health Officer, EPA or Fire Brigade. If spills are likely to enter any drain, waterway or groundwater, contact the Area Water Authority. In case of accident or road spill, contact the Police and Fire Brigade and, if appropriate, EPA or Area Water Authority.

Section 7. Handling and Storage

SUITABLE CONTAINER

Metal can Metal drum Plastic Drum Packing as recommended by manufacturer.
Check all containers are clearly labelled and free from leaks.

STORAGE INCOMPATIBILITY

Avoid storage with oxidisers.

STORAGE REQUIREMENT

Store in original containers. Keep containers securely sealed.
No smoking, naked lights or ignition sources.
Store in a cool, dry, well-ventilated area.
Store away from incompatible materials and foodstuff containers.
Protect containers against physical damage and check regularly for leaks.
Observe manufacturer's storing and handling recommendations.

Section 8. Exposure Controls / Personal Protection

National Exposure Standards

TWA: 50 ppm (similar or equal to: 270 mg/m³) STEL: 200 ppm (similar or equal to: 1.080 mg/m³)

Biological Limit Values

No Data Available

Engineering Controls

Operate under a hood in chemical laboratory. Ventilate closed rooms, ensuring contaminated air is withdrawn to a safe area, bearing in mind that the fumes will be heavier than air. Provide suitable local fume extraction system in area of possible leakage. Used closed circuit air breathing apparatus if operating in confined environment, if oxygen content of the air is insufficient or in the case of significant leakage of the substance.

Personal Protection

Respiratory protection: full face mask with organic vapour filter (type A) or self contained breathing apparatus. Hand protection: gloves made from neoprene, nitrile or butyl rubber or other impermeable material. Eye protection: safety goggles and face shield. Skin protection: normal working garments, rubber boots. Specific hygiene measures: keep ordinary clothes and working clothes separately. Wash hands prior to coating. Do not continue to wear contaminated clothing.

Section 9. Physical and Chemical Properties

APPEARANCE:	Mobile liquid with a mild odour.
Physical State:	Liquid
Colour:	Red
Odour:	Mild hydrocarbon odour
Odour Threshold (ppm):	n/d
pH:	n/a
Boiling Point (°C):	IBP > 100°C
Melting Point (°C):	n/a
Flash Point (°C):	> 61°C
Flammability:	Combustible
Auto Flammability:	Auto ignition > 150°
Explosive Properties:	n/a
Vapour Pressure(kPa):	n/d
Specific Gravity:	0.900
Solubility in Water:	Insoluble
Partition Coefficient:	n/d

Note: n/a = not applicable
n/d = not determined

For further technical information please contact Clearmake Pty Ltd Technical group.

Section 10. Stability and Reactivity

Stability (Thermal, Light, Etc)	Stable
Conditions to Avoid	Heat, flames
Incompatible with	Strong acids, oxidising agents
Decomposition Products	Limited evolution of carbon dioxide.
Self-Polymerisation	Does not occur

Section 11. Toxicological Information

Toxicity Data

200 - 400 ppm (in man) concentrations can cause anesthetic and light irritant effects. 1000 - 2000 ppm can provoke rapidly giddiness or drunkenness sensations. A progressive increase of the concentration or of the exposure period can provoke unconsciousness and even death. Inhalation: LC50 (rat) 5918 ppm. Ingestion: LD50 (mouse) 2850 mg/kg body weight. Skin and eye contact: LD50 (rabbit) >29000 mg/kg body weight via skin. Irritation: highly irritant to skin (rabbit), slightly irritant to eyes (rabbit). Carcinogenicity: carcinogenic effect on mouse orally only in animals treated with high doses of product containing carcinogenic stabilizers. Inhalation some positive results, even in product not containing carcinogenic stabilizers. No extrapolation to man for non toxic doses. Mutagenicity: many tests with negative or uncertain results. Some positive test the role of stabilizers and impurities appear suspicious. Reproductive toxicity (including teratogenicity): some effects of foetotoxicity and maternal toxicity have been noted by inhalation of doses higher than 300 - 500 ppm, depending on the rat strain. Narcosis: narcotic Health Effects - Acute

Swallowed

chloroform odour breathe. Mouth and throat irritation. Nausea, retching, abdominal cramps and diarrhoea. Feeling of intoxication, agitation, vertigo and drowsiness. Risk of papitations. Risk of alteration in liver and kidney functions.

Eye

Symptoms: (fumes) - slight irritation. (Liquids) - intense irritation, reddening of the eyes, risk of temporary eye lesions.

Skin

Slight irritation, reddening of the skin, Repeated contact - dry and cracked skin, risk of dermatitis. Prolonged contact - risk of burns (formation of blisters).

Inhaled

Inhalation of fumes - slight nasal irritation. At high concentrations - light headedness, drowsiness, and deep stupor. Risk of palpitations. Risk of chemically induced bronchial pneumonia and of pulmonary oedema. In cases of repeated and prolonged exposure, lethargy and the risk of irregularities of the nervous system.

Expected delayed effects - chemically induced pneumonia, pulmonary oedema with coughing and toxic symptoms.

Section 12. Ecological Information

Ecological fate of mixture has not been determined.

Product contains 100% VOC components.

Section 13. Disposal Considerations

Product should be disposed of according to local government guidelines.

Disposal of small amounts of concentrate is most easily achieved by dilution and discharge to the local sewerage treatment system. Disposal of larger amounts may require that the product be passed on to a competent chemical waste disposal authority or contractor.

Product should never be disposed of into natural watercourses or stormwater systems or directly to the environment without appropriate treatment.

Section 14. Transport Information

Product is **NOT** classed as a Dangerous Good within the definition of the Australian Dangerous Goods Code.

Section 15. Regulatory Information

All components utilised in this formulation are registered with the relevant Australian Government agencies (NICNAS, NIOSH, AICS).

Section 16. Other Information

This MSDS was last reviewed on: 25 February 2010 (Rev 1.01)

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Disclaimer

This MSDS follows the NOHSC:2011(2003) National Code of Practice for the Preparation of Material Safety Data Sheets (2nd ed).

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End of MSDS