



MATERIAL SAFETY DATA SHEET

Section 1. Product and Supplier Identification

Product Name : RED-KOTE
Other Names :
Use : Liquid fuel tank sealer
Supplier : FUEL TANK & RADIATOR SERVICE
Address : 10 HOLLAND ST
NORTHGATE QLD 4013
Telephone : (07) 32606197 International +61+7+32606197
Fax : (07) 32566211 International +61+7+32566211
Emergency : 0417 720 832

Section 2. Hazard Identification

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

Product is classed as a **Dangerous Good** within the definition of the Australian Dangerous Goods Code.

Emergency Overview: Product is irritating to eyes and skin. Vapor may be irritating to nose and lungs. Product is not flammable with a characteristic ketone solvent odor. The information below is for the granular product unless otherwise indicated.

Irritant Flammable

Risk Phrases R10 R36/37R38 R43

Flammable

Irritating to eyes, respiratory system and skin

May cause sensitisation by skin contact

Safety Phrases S2 S3/S7 S16 S35

Keep out of the reach of children

Keep container tightly closed in a cool place

Keep away from sources of ignition - No smoking

This material and its container must be disposed of in a safe way



Irritant



Flammable

Section 3. Composition / Information on Ingredients

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

Component Name	CAS #	%
2-Butanone (Methyl Ethyl Ketone)	78-93-3	>60
1,2 Butylene Oxide	106-88-7	2—5
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. Obtain medical attention immediately.

EYE

DO NOT delay. If this product in contact with the eyes,

1: DO NOT DELAY: Immediately irrigate continuously by holding the eyes open and washing with fresh running water.

2: 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

3: Irrigate for at least 15 minutes.

4: **Transport to hospital or eye clinic or eye specialist without delay.**

SKIN

Carefully remove excess product with rag or towel and wipe down with MEK, acetone or laquer thinners. Rinse off and wash area with soap and water. If irritation develops and persists, seek medical attention.

INHALED

1: If fumes or combustion products are inhaled: Remove to fresh air.

2: Lay patient down. Keep warm and rested.

3: If breathing is shallow or has stopped, ensure clear airway and apply resuscitation, preferably with a demand valve resuscitator, bag-valve Mask device, or pocket mask as trained. Perform CPR if necessary.

4: Transport to hospital, or doctor, urgently.

ADVICE TO DOCTOR

Treat for paint product exposure. Treat symptomatically.

Section 5. Firefighting Measures

Flammable. Product flash point less than ambient temperature. Extinguish with dry chemical, CO₂, fog or foam. Water as a last resort.

Packaging material may also add to combustible load in the event of a fire.

Product / packaging should be cooled via the use of fog, water jet or foam.

Section 6. Accidental Release Measures

MINOR SPILLS

1: Clean up all spills immediately. Remove all sources of ignition from area—no smoking.

2: Avoid breathing vapours and contact with skin and eyes.

3: Control personal contact by using protective equipment.

4: Contain and absorb spill with sand, earth, inert material or vermiculite.

5: Wipe up.

6: Place in a suitable labeled container for waste disposal.

MAJOR SPILLS

1: Clear area of personnel and move upwind. Remove all sources of ignition from area—no smoking.

2: Prevent, by any means available, spillage from entering drains or water course.

3: Contain spill.

4: Collect recoverable product into labelled containers for recycling.

5: Wash area and prevent runoff into drains.

6: After clean up operations, decontaminate and launder all protective clothing and equipment before storing and re-using.

7: If contamination of drains or waterways occurs, advise emergency services.

DISPOSAL

1: Recycle wherever possible or consult manufacturer for recycling options.

2: Consult State Land Waste Management Authority for disposal.

3: Recycle containers, otherwise dispose of in an authorised landfill.

Section 7. Handling and Storage

SUITABLE CONTAINER

Metal can—trisafe lid

Packing as recommended by manufacturer. Check all containers are clearly labelled and free from leaks.

STORAGE INCOMPATIBILITY

Do not store above 40°C. Store away from ignition sources.

STORAGE REQUIREMENT

Store in original containers. Keep containers securely sealed when not in use. 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

Methyl Ethyl Ketone (MEK) cas no; 78-93-3 Exposure Standards: TWA : 150ppm (445mg/m³) STEL: 300ppm (890mg/m³) ACGIH TWA: 200ppm ACGIH STEL: 300ppm

Biological Limit Values

Product Name Specimen Sampling Time Limit Determinant Source Methyl Ethyl Ketone Urine End of shift 2mg/L MEK ACGIH

Engineering Controls

A system of local and/or general exhaust is recommended to keep employee exposures as low as possible. Local exhaust ventilation is generally preferred because it can control the emissions of the contaminant at its source, preventing dispersion of it into the general work area. Use explosion proof ventilation equipment.

Personal Protection

RESPIRATOR: Wear an NIOSH approved respirator if engineering controls are inadequate. Types of respirators to be considered include type A filter material and half-face filter respirator. EYES: Chemical goggles are recommended. HANDS: Chemical resistant gloves. Consider butyl material. If contact with forearms is likely, wear gauntlet-style gloves. CLOTHING: Wear chemical/oil-resistant clothing and footwear.

Section 9. Physical and Chemical Properties

APPEARANCE:	Dark red liquid
Physical State:	Liquid
Colour:	Red
Odour:	Solvent odour
Odour Threshold (ppm):	n/d
Flash Point (°C):	-6°C
Flammability:	Flammable
Auto Flammability:	474°C
Explosive Properties:	LEL 1.74% UEL 11.4%
Oxidizing Properties:	None
Vapour Pressure(mmHg):	70mm Hg @ 20°C
Vapour Density:	2.5 (Air = 1)
Specific Gravity:	0.8
Evaporation Rate:	1.5 (Butyl Alcohol = 1)
Solubility in Water:	Negligible

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

For further technical information please contact [FUEL TANK & RADIATOR SERVICE Technical group](#).

Section 10. Stability and Reactivity

Stability (Thermal, Light, Etc)	Stable
Conditions to Avoid	Heat, flames
Incompatible with	none noted
Decomposition Products	n/a
Self-Polymerisation	n/a

Section 11. Toxicological Information **Acute Health Effects**

SWALLOWED

Considered an unlikely route of entry in commercial/industrial environments.

EYE

The material may produce moderate eye irritation leading to inflammation. Repeated or prolonged exposure to irritants may produce conjunctivitis.

SKIN

The material may produce irritation leading to inflammation. Repeated or prolonged exposure may result in sensitization.

INHALED

May cause irritation.

CHRONIC HEALTH EFFECTS

Principal routes of exposure are by accidental skin and eye contact and by inhalation of vapours. As with any chemical product, contact with unprotected bare skin; inhalation of vapour, mist or dust in work place atmosphere; or ingestion in any form, should be avoided by observing good occupational work practice.

Section 12. Ecological Information

Ecotoxicity : No Data

Persistence and degradability : This product is expected to be readily biodegradable. Transformation due to hydrolysis not expected to be significant. Expected to degrade at a moderate rate in water when exposed to sunlight. Transformation due to atmospheric oxidation not expected to be significant.

Mobility : Expected to remain in water or migrate through soil.

Additional information

Environmental fate (exposure) : Avoid contaminating drains, sewers and waterways.

Bioaccumulative potential : No information available on bioaccumulation for this product

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 classed as a Dangerous Good within the definition of the Australian Dangerous Goods Code.

UN # 1263 (Paint Related Substance—Contains Methyl Ethyl Ketone)
DG Class 3
Pack Grp II
HAZ 2[Y]E

EPG 14



Section 15. Regulatory Information

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

Poisons Schedule 5

Additional information No Data

Section 16. Other Information

This MSDS was last reviewed on: 22 SEPTEMBER 2007.

Date for next mandatory review : 22 SEPTEMBER 2012.

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Disclaimer

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End of MSDS