



SUNACE

SUNACE AUSTRALIA PTY LTD
32-38 REMINGTON DRIVE
DANDENONG SOUTH 3175
VICTORIA, AUSTRALIA
TEL: (613) 9702 9444
FAX: (613) 9702 9455

TECHNICAL DATA SHEET

PRODUCT TYPE : CALFORD R-251-4

PRODUCT CLASS : DISPERSABLE CLAY

DESCRIPTION:

Calford R-251-4 is a 100% active, zinc free slab dip designed for use in rubber processing.

Calford R-251-4 is a blend of soaps, dispersing agents, emulsifiers and silicates. It produces a stable dispersion with excellent covering and anti-stick properties. It is especially recommended for rubbers which are difficult to coat because of their poor wetting properties (i.e. those with high surface tension).

PROPERTIES:

Appearance : Beige coloured powder
Total ash : 66 %
Specific Gravity : > 1.5
pH of 3% dispersion : 8.4

APPLICATION:

1. The suggested usage level is 2.5%-4.0% in water. Dispersions containing lower concentrations tend to settle. Higher concentrations will create drying problems.
2. The dispersion should be prepared in a tank fitted with a stirrer. Continue to mix for at least a half hour after the powder has been dispersed. Only then will the dispersion have the desired viscosity and be ready for use.

PACKAGING:

4 ply paper bags - 25kgs

HANDLING:

For handling instructions refer to Material Safety Data Sheets.

Note: This product is manufactured under licence from **H.L. Blachford LTD (Montreal-Canada)**. **Calford** is a registered trademark of **H.L. Blachford LTD**

Issue Date: 6/08/02

This product is to be used in accordance with its Product and Material Safety Data Sheet. Failure to comply with these data sheets may cause product failure, defect or risk to safety. This product is designed, tested and warranted for the purpose and/or uses defined in the product data sheet only. Uses of this product for any other purpose without reference to and written confirmation from the supplier of "Fitness of Purpose" may result in product failure and will void all warranty, and/or liability of the supplier. The above information is accurate to the best of our knowledge. However, since data, safety standards and government regulations are subject to change, and the conditions of handling and use, or misuse are beyond our control, SunAce Australia makes no warranty, either express or implied and does not accept any liability for reliance thereon, either express or implied contained herein and disclaims all reliance thereon other than that stated in the SunAce Australia Pty Limited Terms and Conditions of Sale.

MATERIAL SAFETY DATA SHEET

STATEMENT OF HAZARDOUS NATURE: Not classified as hazardous according to criteria of Worksafe Australia

COMPANY DETAILS:

COMPANY: SunAce Australia Pty Ltd
A.B.N. 75 050 238 769
ADDRESS: 32-38 Remington Drive, Dandenong South Vic 3175 Australia
EMERGENCY TELEPHONE No: (03) 9702 9444
EMERGENCY TELEPHONE AFTER HRS No: 0408 305 128 or 0408 330 681

IDENTIFICATION

PRODUCT NAME: CALFORD R251-4
OTHER NAMES: CALFORD R251-4
MANUFACTURE'S PRODUCT CODE: CALFORD R251-4
UN NUMBER: NO UN NUMBER ALLOCATED
DANGEROUS GOODS CLASS AND SUBSIDIARY RISK: NONE ALLOCATED
HAZCHEM CODE: NONE ALLOCATED
POISONS SCHEDULE NUMBER: NONE ALLOCATED
USE: ANTI - STICK AGENT FOR RUBBER

PHYSICAL DESCRIPTION / PROPERTIES

APPEARANCE: POWDER
BOILING POINT: NOT AVAILABLE
MELTING POINT: > 200 C
VAPOUR PRESSURE: NOT AVAILABLE
SPECIFIC GRAVITY: > 1.5
FLASHPOINT: NOT AVAILABLE
FLAMMABILITY LIMITS: NOT AVAILABLE
SOLUBILITY LIMITS: SOLUBLE IN WATER

OTHER PROPERTIES:

NO INFORMATION.

INGREDIENTS

CHEMICAL NAME:	CAS NUMBER:	PROPORTION:
2- ETHYL HEXOIC ACID	149-57-5	2 MAX
CRYSTALLINE QUARTZ	14808-60-7	1 MAX

HEALTH HAZARD INFORMATION

HEALTH EFFECTS

ACUTE: PRODUCT IS OF LOW TOXICITY.
SWALLOWED: MAY CAUSE GASTROINTESTINAL IRRITATION
EYE: MAY CAUSE IRRITATION
SKIN: NONE KNOWN
INHALED: MAY CAUSE IRRITATION OF THE RESPIRATORY SYSTEM
CHRONIC: AS ABOVE

FIRST AID

SWALLOWED: IF SWALLOWED CALL A PHYSICIAN
EYE: FLUSH EYE THOROUGHLY WITH WATER
SKIN: WASH FREE WITH SOAP AND WATER
INHALED: MOVE TO FRESH AIR
FIRST AID FACILITIES: NO INFORMATION
ADVICE TO DOCTOR: AFTER INGESTION (LARGE AMOUNTS) CONSULT DOCTOR IF FEELING UNWELL.

PRECAUTIONS FOR USE

EXPOSURE STANDARDS:
TWA = RESPIRABLE CRYSTALLINE QUARTZ: 0.1 mg/m³

ENGINEERING CONTROLS:
PROVIDE LOCAL EXHAUST VENTILATION IN VOLUME AND PATTERN TO KEEP TLV OF MOST HAZARDOUS INGREDIENTS.

PERSONAL PROTECTION:
USE AUSTRALIAN STANDARD AS 1716 RESPIRATOR. PROTECTIVE GLOVES AND EYE PROTECTION RECOMMENDED, APRON ADVISED WHEN SPILLS ON CLOTHING ARE LIKELY.

FLAMMABILITY:
USE IN WELL VENTILATED AREA

SAFE HANDLING INFORMATION

STORAGE AND TRANSPORT:
KEEP AWAY FROM HEAT, SPARKS OR OPEN FLAMES.

SPILLS AND DISPOSAL:
USE AUSTRALIAN STANDARD AS 1716 APPROVED RESPIRATOR TO PREVENT PARTICLE INHALATION. PREVENT MATERIAL FROM SPREADING. VACUUM OR SWEEP SPILLS, CONTAIN MATERIAL IN SEALED CONTAINERS. DISPOSE IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS.

FIRE / EXPLOSION HAZARD:
CARBON MONOXIDE MAY EVOLVE IN FIRE. USE FOAM, WATER SPRAY, POWDER OR CARBON DIOXIDE TO EXTINGUISH FIRE.

OTHER INFORMATION

HAZARDOUS PROPERTIES CANNOT BE EXCLUDED BUT ARE UNLIKELY WHEN THE PRODUCT IS HANDLED APPROPRIATELY. THE PRODUCT SHOULD BE HANDLED WITH THE CARE USUAL WHEN DEALING WITH CHEMICALS.

CONTACT POINT:

Mr John Chan on TELEPHONE: (613) 9702 9444 or 0408 305 128

Mr Reg Kerr on TELEPHONE: (613) 9316 2314 or 0408 330 681

Issue Date: 6/08/02

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