

Material Safety Data Sheet

Hazardous According To The Criteria Of SWA (Safe Work Australia)

1 IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name: RED EARTH ZERO COUNT C13
Other Name: None
Manufacturer's Product Code: REDREZC20, REDREZC5
Recommended Use: HEAVY DUTY CLEANER SANITISER.
Supplier Name: CASTLE CHEMICALS
Supplier Address: 16 RURAL DRIVE
SANDGATE NSW 2304

Telephone No.: 02 40145555
Fax No.: 02 49601686
Emergency No.: 02 40145555
Website: www.castlechem.com.au

2 HAZARDS IDENTIFICATION

HAZARD DESIGNATION: Hazardous According To The Criteria Of SWA

RISK PHRASES: R35- Causes severe burns.
SAFETY PHRASE: R41- Risk of severe damage to eyes.
S26- In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S28- After contact with skin, wash immediately with plenty of water.
S36/37/39- Wear suitable protective clothing, gloves and eye/face protection.
S45- In case of accident or if you feel unwell, seek medical advice immediately. (Show the Label where possible)

ADG CLASSIFICATION: ADG 8 Packing Group III. UN1719 CAUSTIC ALKALI LIQUID NOS.

SUSMP CLASSIFICATION: S5

3 COMPOSITION/INFORMATION ON INGREDIENTS

INGREDIENT	CAS NUMBER:	PROPORTION (% WT)
POTASSIUM HYDROXIDE	1310-58-3	<10%
QUATERNARY AMMONIUM CPD	68391-01-5	<10%
SODIUM METASILICATE	6834-92-0	<10%
COMPONENTS DESIGNATED NON HAZARDOUS TO NOHSC		TO 100%

4 FIRST AID MEASURES

IF POISONING OCCURS, IMMEDIATELY CONTACT A DOCTOR OR POISONS INFORMATION CENTRE (TELEPHONE 13 11 26), AND FOLLOW THE ADVICE GIVEN. SHOW THIS MATERIAL SAFETY DATA SHEET TO A DOCTOR.

<u>Inhalation:</u>	Remove to fresh air. If not breathing, give artificial respiration. If breathing difficult, give oxygen. Obtain medical attention immediately.
<u>Skin Contact:</u>	Remove all contaminated clothing / shoes. Wash the skin copiously with plenty of water. Seek medical attention. Launder clothing and thoroughly clean out shoes before re-use.
<u>Eye contact:</u>	Immediately rinse eyes thoroughly, including under eyelids, with running water for at least 15 minutes. Seek immediate medical advice.
<u>Ingestion:</u>	Do NOT induce vomiting. Seek immediate medical advice.
<u>First Aid Facilities:</u>	Provide an eyewash station / Safety shower in the workplace.
<u>Symptoms:</u>	Not available
<u>Medical attention:</u>	

5 FIRE FIGHTING MEASURES

Extinguishing media	Not flammable. Foam, dry chemical or water spray. Do not use a water jet from a fire hose.
Hazards from combustion products:	No data available.
Precautions for fire fighters:	Fire fighters should wear full protective clothing and self-contained breathing apparatus. Do not release contaminated water into the environment. Keep intact containers cool by hosing with water.

ADDITIONAL INFORMATION:

HAZCHEM CODE: 2R

6 ACCIDENTAL RELEASE MEASURES

Immediately contact emergency personnel. Keep unnecessary personnel away. Wear suitable protective clothing and boots. Prevent spill from entering drains, sewers or any body of water. Contain and absorb with sand, earth or inert absorbent. Scoop or shovel into sealable containers for disposal in accordance with applicable local, state and federal regulations.
Spillage's May Be Slippery.

7 HANDLING AND STORAGE

Handling:

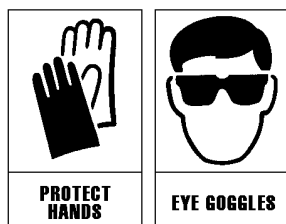
Keep out of reach of children. Avoid contact with skin and eyes and do not inhale spray mist. Use only in a well-ventilated area, do not add water directly to product. Slowly stir product into water.

Storage:

Store product in the closed, original container in a cool, well-ventilated area away from direct sunlight and incompatibles (see below).

Material Compatibility:

Incompatible with aluminium, zinc, tin.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Standards: NOHSC (Australia 7/2003) Potassium Hydroxide AMP:2 2mg/m³ 15 minute(s)

Engineering Controls: Ensure adequate ventilation. Keep container closed when not in use. Ensure Eyewash / safety showers are close to working area.

Personal Protective Equipment:

EYES:

Wear chemical goggles. Avoid contact with eyes. For prolonged use, wear face shield over goggles.

CLOTHING:

Use synthetic apron and other PPE to prevent skin contamination.

GLOVES:

Wear chemical resistant impervious protective gloves.

RESPIRATORY:

If ventilation is inadequate, wear respirator to protect against organic vapour / mist and dusts (AS/NZS 1715 and AS/NZS 1716).

OTHER:

Do not eat, drink or smoke until after washing. Wash hands, forearms and face thoroughly after handling.

9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Clear pale straw liquid
Odour:	None
Vapour Pressure:	<1 mm Hg @ 20°C .
Vapour Density:	Not available
Boiling Point:	>100°C
Freezing/melting point:	Not available
Solubility:	Soluble in Water.
Density:	1.08 – 1.10 @ 20 °C
pH Neat:	12.5-13.0
Flashpoint:	> 150 °C Non-flammable.
Flammability (explosive) limits:	Not available
Auto-ignition temperature:	Not available
Percent volatiles:	<55%
Octanol/water partition coefficient:	Not available
Formulation:	Heavy duty cleaner Sanitiser.

10 STABILITY AND REACTIVITY

Chemical stability:	Not available
Hazardous polymerisation:	Will not occur
Conditions to avoid:	Not available
Incompatible materials:	Acids, Metals Ammonium Salts
Hazardous decomposition products:	None Identified
Hazardous reactions:	May generate heat on contact with water. May react vigorously with acids. Reacts with ammonium compounds to give ammonia gas.

11 TOXICOLOGICAL INFORMATION**Inhalation:**

Severely corrosive to the respiratory system.

Skin contact:

Severely corrosive to the skin.

Eye contact:

Severely corrosive to the eyes.

Ingestion:

Causes severe burns.

Other: None ANIMAL TOXICITY DATA – PRODUCT: No data available for the product. ANIMAL TOXICITY DATA – INDIVIDUAL INGREDIENTS:

Acute: Oral toxicity: LD50 rat: Not available

Dermal toxicity: LD50 rabbit: not available

Inhalation toxicity: Not available

Skin irritation: Severely Corrosive to the skin.

Eye irritation: Severely corrosive to the eyes

Sensitisation: Not available

12 ECOLOGICAL INFORMATION

Fish toxicity: Data not available

Daphnia toxicity: Data not available

Toxicity to algae: Data not available

Bird toxicity: Data not available

Bee toxicity: Data not available

Other: No known significant effects or critical hazards

Environmental fate, persistence and degradation: Data not available

13 DISPOSAL CONSIDERATIONS

Do not discharge into drains. Do not incinerate. Dispose of waste material via a licensed waste disposal contractor to a regulated landfill.

14 TRANSPORT INFORMATION

UN number: UN11719

Proper shipping name: CAUSTIC ALKALI LIQUID NOS

Class and Subsidiary Risk: ADG Class 8 Classified as dangerous goods for transport by road or rail according to the Australian Code for the Transport of Dangerous Goods by Road and Rail.

Packing Group: III
EPG: 8A1
Hazchem code: 2R

15 REGULATORY INFORMATION

SUSMP Poison Schedule number S5 allocated

Reference to National Code of Practice for the preparation of Material Safety Data Sheets 2nd Edition (NOHSC: 2011 (2003)).
SUSMP

16 OTHER INFORMATION

Trademark information:

Preparation information: New product MSDS, Reason for update: Update to Castle Format.

Data sources:

This MSDS summarises our best knowledge of the health and safety hazard information of the product and how to safely handle and use the product in the workplace. Each user should read this MSDS and consider the information in the context of how the product will be handled and used in the workplace including in conjunction with other products. If clarification or further information is needed to ensure that an appropriate risk assessment can be made, the user should contact this company.

END OF MSDS