

## Material Safety Data Sheet

### SECTION I CHEMICAL and COMPANY IDENTIFICATION

**PRODUCT:** *Fluorocal O-15*  
**CHEMICAL NAME:** *Calcium Oxide*  
**COMMON/GENERIC NAME:** Quick Lime, CaO  
**CHEMICAL FAMILY:** Inorganic/Metallic Oxide  
**PRODUCER:** Central Technology UK Ltd., Derbyshire, England  
**DISTRIBUTOR:** H B Chemical Co. - Customer Service 330-920-8023  
**EMERGENCY NUMBERS:** CHEMTREC 800-424-9300; CANUTEC(Canada) 613-996-6666

### SECTION II COMPOSITION / INGREDIENT INFORMATION

	<u>OSHA PEL</u>	<u>ACGIH TWA</u>
<b>COMPOSITION:</b> Calcium Oxide, 100%	15 mg/m <sup>3</sup> Total Dust	2 mg/m <sup>3</sup>
C.A.S.# 1305-78-8	5 mg/m <sup>3</sup> Respirable Dust TWA	

### SECTION III/IV HAZARDS / FIRST AID PROCEDURES

**EMERGENCY OVERVIEW:** A white powder that can cause severe irritation to the skin, eyes and respiratory tract. Prolonged exposure may cause dermatitis, irritation and burns. Ingestion and prolonged contact is harmful and should be avoided. Not considered a fire or explosion hazard.

**EYE:** Can cause severe irritation, burns, risk of serious damage to eyes and loss of vision if untreated. Flush eyes with water for 45 min. Call a physician immediately.

**SKIN:** Prolonged contact will cause alkali burns. Wash skin thoroughly with soap and water. If irritation continues seek medical attention.

**INGESTION:** May cause serious alkali burns in mouth and throat. Nausea and vomiting may result. Do not induce vomiting. Give large quantities of milk or water. Never give anything by mouth to an unconscious person. Seek medical attention.

**INHALATION:** Can irritate the nose, throat and lungs causing coughing, wheezing and/or shortness of breath. Remove to fresh air; give artificial respiration or oxygen if necessary.

**TOXICITY:** Long term toxicity has not been established.

**CARCINOGENICITY:** Not listed by NTP, IARC or OSHA

**IN ALL CASES OF EMERGENCY, CONTACT A PHYSICIAN**

### SECTION V FIRE AND EXPLOSION INFORMATION

**FLASH POINT:** Not combustible

**FIRE-FIGHTING PROCEDURES:** Not combustible. Material will generate heat(ie will exotherm) when exposed to moisture.

**HAZARDOUS COMBUSTION PRODUCTS:** None

**PROTECTIVE EQUIPMENT:** Full eye protection and protective clothing are required for all indoor/outdoor spills.

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## SECTION VI SPILLS AND ENVIRONMENTAL INFORMATION

**SPILL OR LEAK PRECAUTIONS:** Wear appropriate protective clothing, gloves and equipment. Transfer to secure containers and dispose of according to local and state regulations. Thought should always be given to collecting the material in such a manner that it could be recycled. Clean/scrub affected area with detergent. Major spills should also be reported to the National Response Center. Spills with potential to contaminate coastal waterways must be reported to the U.S. Coast Guard (800-424-8802).  
**WASTE DISPOSAL:** All containers should be effectively labeled to facilitate the appropriate disposal or reclaim. Discarded bags or open fiber drums containing residual product which may create a spontaneous exotherm hazard in contact with water if not properly disposed of should not be left in or near buildings. Any swelling of containers may be a sign the product has been in contact with moisture or other incompatible chemicals and should be reported to facility management.

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## SECTION VII HANDLING AND STORAGE

Store in sealed containers in cool, dry conditions. Avoid contact with incompatible maleic anhydride, nitroethane, nitromethane, nitropropane, nitroether, nitroparaffins and phosphorus since violent reactions occur. Do not accumulate open, empty containers(bags, drums) since residual CaO may exotherm causing localized spontaneous combustion.

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## SECTION VIII EXPOSURE CONTROLS AND PERSONAL PROTECTION

**VENTILATION:** Use only where sufficient ventilation exists to keep exposure levels of fumes and dust below recommended levels.

**RESPIRATORY AND PERSONAL PROTECTION:** Respirators should be selected when TWA is exceeded(up to 50 times the exposure limit). Safety glasses with side shields; gloves, boots and apron as appropriate.

**FACILITIES:** There should be a shower facility and eyewash in the building where this product is being stored and handled. Exercise good chemical handling practice.

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## SECTION IX PHYSICAL AND CHEMICAL INFORMATION

Appearance: White powder  
Melts at 2570°C (4660°F)

Specific Gravity @20°C = 3.37  
Solubility in Water: Slightly soluble in water

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## SECTION X STABILITY AND REACTIVITY

Under normal storage conditions, this product a) is stable; b) will not polymerize or exotherm if in tightly sealed package; c) must be kept away from water, strong oxidizers, alkalis/bases and other incompatibles.

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## SECTION XI TOXICOLOGICAL INFORMATION

Not listed as a carcinogen

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## SECTION XII ECOLOGICAL INFORMATION

**ENVIRONMENTAL DATA:** An inorganic/mineral product (also called quick lime) often used in agriculture, pH >12 in solution creating alkalinity in soil.

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## SECTION XIII

### DISPOSAL CONSIDERATIONS

Landfill in a permitted hazardous waste facility in accordance with all regulatory requirements is the preferred method of disposal. Empty containers can be rinsed with a suitable solvent/surfactant and steamed to remove residual product and fumes before disposal or reuse in accordance with applicable regulations. For spill clean-up procedures see Sect.VI.

## SECTION XIV

### TRANSPORTATION INFORMATION

**DOT:** Not regulated over the road.(see Air)

**CANADA TRANSPORT HAZ.GOODS:** Not regulated

**AIR (IATA/ICAO):** Calcium Oxide; Hazard Class 8; UN 1910 PG III

**EUROPEAN TRANSPORTATION:** ADR/RID HAZ. CLASS: Not regulated.

**US CUSTOMS:** - HARMONIZED TARIFF CODE: 2522.10.00.00

**Storage Code:** Orange – General Storage

## SECTION XV

### REGULATORY INFORMATION

**OSHA:** Regulated as a hazardous substance.

**SARA TITLE III:** - 311/312 CATEGORIES: Not listed.

“ “ - 313 Reportable ingredients: None

**CERCLA RQ:** None

**RCRA Status:** No

**TSCA REGULATORY:** All intentional ingredients are listed in the TSCA Inventory.

**CANADA WHMIS HAZARD SYMBOL AND CLASS:** Not known

**CANADA INGREDIENT DISCLOSURE LIST:** Does not contain any ingredients on the IDL. All intentional ingredients are on the DSL.

## SECTION XVI OTHER INFORMATION

HMIS Label: Health: 2  
Fire: 0  
Reactivity: 2  
Protection: F

Prepared: Sept. 1, 2004(PCR)

The information presented herein, while not guaranteed, was prepared by technically knowledgeable personnel and to the best of our knowledge is true and accurate. It is not intended to be all-inclusive and the manner and conditions of use and handling may involve other or additional considerations.

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