

HB CHEMICAL COMPANY

Page 1 of 3
Date: Dec. 10, 2010
Replaces: Oct. 1, 2005

MATERIAL SAFETY DATA SHEET

SECTION I CHEMICAL and COMPANY IDENTIFICATION

PRODUCT: *Fluorocal H-20, H-30*
CHEMICAL NAME: *Calcium Hydroxide*
COMMON/GENERIC NAME: Hydrated Lime, Slaked Lime, Calcium Hydrate, Carboxide
CHEMICAL FAMILY: Inorganic/Metallic hydroxide
PRODUCER: Central Technology UK Ltd., Derbyshire, England
DISTRIBUTOR: HB Chemical Company - Customer Service 800-991-2436
EMERGENCY NUMBERS: CHEMTREC 800-424-9300; CANUTEC(Canada) 613-996-6666

SECTION II COMPOSITION / INGREDIENT INFORMATION

| | <u>OSHA PEL</u> | <u>ACGIH TWA</u> |
|---|--|---------------------|
| COMPOSITION: Calcium Hydroxide, 100% | 15 mg/m ³ Total Dust | 5 mg/m ³ |
| C.A.S.# 1305-62-0 | 5 mg/m ³ Respirable Dust TWA 8hrs | |

SECTION III/IV HAZARDS / FIRST AID PROCEDURES

EMERGENCY OVERVIEW: A white powder that is irritating to the skin, eyes and respiratory tract. Prolonged exposure may cause dermatitis, irritation and burns. Ingestion and prolonged contact 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: Wash skin with soap and water. If irritation develops, seek medical attention.

INGESTION: Do not induce vomiting. Never give anything by mouth to 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 may generate heat when exposed to water.

HAZARDOUS COMBUSTION PRODUCTS:

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

HB CHEMICAL COMPANY

Fluorocal H-20 Page 2 of 3

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. Prevent run-off into sewers or natural waterways. Spills in excess of the RQ must be reported to the local emergency response organizations. 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.

SECTION VII HANDLING AND STORAGE

Store in sealed containers in cool, dry, conditions. Avoid contact with Maleic Anhydride, Nitroethane, Nitromethane, Nitropropane, Nitroether, Nitroparaffins and Phosphorus since violent reactions occur.

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 exceeded. 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.

SECTION IX PHYSICAL AND CHEMICAL INFORMATION

Appearance: White powder
Specific Gravity @20°C = 2.24
Vapor Pressure: ND
Viscosity cPs (25°C) = NA

Evaporation Rate: Not Applicable
Decomposes at 580°C (1076°F)
Refractive Index 25°C: NA
Solubility in Water: 0.18 g/100 ml

SECTION X STABILITY AND REACTIVITY

Under normal storage conditions, this product a) is stable; b) will not polymerize or exotherm; c) should be kept away from extreme heat, strong oxidizers and bases; d) this product decomposes under high temperature and hydrolyses in humid conditions.

SECTION XI TOXICOLOGICAL INFORMATION

Not listed as a carcinogen

SECTION XII ECOLOGICAL INFORMATION

ENVIRONMENTAL DATA: Inert mineral product (also called slaked lime) often used in agriculture, pH =12 in solution creating alkalinity in soil.

120 E. Ascot Lane
Cuyahoga Falls, OH 44223

Tel: 330-920-8023
Fax: 330-920-0971

HB CHEMICAL COMPANY

Fluorocal H-20 Page 3 of 3

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

CANADA TRANSPORT HAZ.GOODS: Not regulated

AIR (IATA/ICAO): Chemical name on package; otherwise not regulated

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

US CUSTOMS: - HARMONIZED TARIFF CODE: 2522.20.00.00

SECTION XV

REGULATORY INFORMATION

OSHA: Regulated. See established exposure limits.

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: 0
Protection: F

Prepared: Dec.10, 2008(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.

120 E. Ascot Lane
Cuyahoga Falls, OH 44223

Tel: 330-920-8023
Fax: 330-920-0971