**STOLLER CHEMICAL CO. OF CANADA LIMITED**

**940 SHELDON COURT**

**BURLINGTON, ONTARIO L7L 5K6**

**1-800-263-9114**

  **BIOFORGE**

 **SECTION I PRODUCT IDENTIFICATION**

|  |  |
| --- | --- |
|   | **NFPA HAZARD RATINGS**HEALTH HAZARD 0 FIRE HAZARD 0 REACTIVITY 0Based on the National Fire Protection Association rating system(0 = Minimal; 1 = Slight; 2 = Moderate; 3 = High; 4 = Severe)**SARA/ TITLE III HAZARD CATEGORIES**Immediate (ACUTE) Health: NO Reactive Hazard: NODelayed (Chronic) Health: NO Fire Hazard: NO Sudden Release of Pressure: NOCompany Name: STOLLER USA, INC. |
|  | Address: | 4001 W. Sam Houston Parkway, N., Suite 100 Houston, Texas 77043-1226 U.S.A. |
|  | Emergency Phone Number: | CHEMTREC: In the U.S. and Canada call Toll- free: 1(800)424-9300 From other countries call collect: 1+(703)527-3887 |
|  | Phone Number for Information: | 1(800)539-5283 or 1(713)461-1493 |
|  | Chemical Family: | Urea, Potassium salts. |
|  | Chemical Name & Synonyms: | None |
|  | Formula: | Proprietary |
|  | Trade name & Synonyms: | **BIOFORGE** |

 **SECTION II COMPOSITION/ INFORMATION ON INGREDIENTS**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|   | **INGREDIENTS:** |  | **CAS#** | **Approx. %** | **TLV** |
|  | Urea |  | 57-13-6  | 4.3 - 4.5%  |   |
|  | Potassium Hydroxide |  | 1310-58-3 | 8.5 - 9.0% |  |

 **SECTION III HAZARD IDENTIFICATION**

1. **EXPOSURE LIMITS:**
	1. OSHA Permissible Exposure Limit (PEL): N/ A
	2. Threshold Limit Value (TLV): N/ A
2. **CARCINOGEN OR POTENTIAL CARCINOGEN:**
3. **EFFECTS OF OVEREXPOSURE:**
	1. **ACUTE:**

 **EYES:** Contact with product may cause severe irritation and possibly irreversible damage.

 **SKIN:** Harmful if absorbed through broken skin. Prolonged exposure may cause deeper damage. May cause discomfort, rash and irritation unless treated promptly.

 **INHALATION:** Prolonged exposure to vapors may cause temporary discomfort of respiratory tract and headache.

 **INGESTION:** May cause nausea, gastrointenstinal damage, or even death.

* 1. **CHRONIC:** Prolonged or repeated inhalation overexposure may cause bronchitis or pneumonia. D. **ADDITIONAL INFORMATION:**Note to Physician: symptomatic treatment.

 **SECTION IV FIRST- AID MEASURES**

A. **EMERGENCY FIRST AID PROCEDURES:**

 **EYES:** Immediately flush with plenty of clean water for at least 15 minutes. Seek medical attention.

 **SKIN:** Wash thoroughly with soap and water. Seek medical attention if inflammation occurs.

 **INHALATION:** Remove from exposure area from mists or in the event of massive inhalation. Seek medical attention if irritation persists.

 **INGESTION:** Give at least two glasses of milk or water and induce vomiting. Get medical attention. B. **ADDITIONAL INFORMATION:** Note to Physician: symptomatic treatment.

 **SECTION V FIRE AND EXPLOSION DATA**

|  |  |  |  |
| --- | --- | --- | --- |
|   | **FLASH POINT:** |  Not Applicable (N/ A) |  |
|  | **FLAMMABLE LIMITS:** | N/ A **LEL:** | **UEL:** |
|  | **EXTINGUISHER MEDIA:** | Product is non flammable. May use all means adequate to fight surrounding fire. |  |
|  | **SPECIAL FIRE FIGHTING PROCEDURES:** | N/ A |  |
|  | **UNUSUAL FIRE AND EXPLOSION HAZARDS:** | None |  |

 **SECTION VI ACCIDENTAL RELEASE MEASURES**

**STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED:** Recover as much as possible for reuse by scooping. Then use an absorbent inert to pick up all residues and dispose of as a solid waste.

 **SECTION VII HANDLING AND STORAGE**

Keep lid tightly closed. Store in dry area, above freezing and below 100º F, out of direct sunlight. Keep out of reach of children.

 **SECTION VIII SPECIAL PROTECTION / CONTROL MEASURES**

**RESPIRATORY PROTECTION:** Use an OSHA or NIOSH approved respirator.

**VENTILATION:** General ventilation is usually adequate. Local exhaust should be used if needed for safe, comfortable working conditions.



 **SECTION IX PHYSICAL AND CHEMICAL CHARACTERISTICS**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|   | **BOILING POINT:** |  |  100° C (212° F) | **VAPOR PRESSURE (mm/ Hg):** | Not Known |
|  | **MELTING POINT:** |  | N/ A | **VAPOR DENSITY (air = 1):** | Not Known |
|  | **SPECIFIC GRAVITY:** |  | 1.15 | **REACTIVITY IN WATER:** | N/ E |
|  | **SOLUBILITY IN WATER:** |  | 100% | **EVAPORATION RATE:** | Not Known |
|  | **APPEARANCE AND ODOR:** |  | Clear amberish liquid with a slight vinegar kind odor. |  |

 **SECTION X PHYSICAL HAZARDS (REACTIVITY DATA)**

|  |  |  |
| --- | --- | --- |
|   |  **STABILITY:** | Stable: Yes Unstable:  |
|  | **CONDITIONS TO AVOID:** | N/ A |
|  | **INCOMPATIBILITY, MATERIALS TO AVOID:** | Not known. As a precaution avoid strong acids and strong alkalies. |
|  | **HAZARDOUS DECOMPOSITION PRODUCTS:** | N/ A |
|  | **HAZARDOUS POLYMERIZATION:****MAY OCCUR: WILL NOT OCCUR: X** | N/ A |

 **SECTION XI TOXICOLOGICAL INFORMATION**

