MATERIAL SAFETY DATA SHEET

URE-K

Last Updated April 28, 2010

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: **URE-K** CAS Number: Mixture

Product Use: Cellulose Fiber Insulation Treated with Fire Retardants

Manufacturers Name:

International Cellulose Corporation
12315 Robin Boulevard
Houston, TX 77045
+1-713-433-6701
1-800-444-1252 (U.S./Canada Only) Business Phone
1-713-433-6701 7 AM–6 PM (CST) Emergency Phone
www.spray-on.com

2. COMPOSITION / INFORMATION ON INGREDIENTS

CONTAINING: HAZARDOUS AND/OR REGULATED COMPONENTS

Chemical Name	Amount	CAS Number	OSHA PEL (TWA)	ACGIH TWA
Carbon Black(in Black and Grey colors only)	0.1 – 0.9	1333-86-4	3.5 mg/m³	3.5 mg/m³
Mineral Oil, Petroleum Distillates, Hydrotreated light Paraffinic	0.1 – 0.9	64742-55-8	NE	NE
Sodium Borate	1.0 – 5.0	1303-96-4	NE	2 mg/m³ as aerosol
Boric Acid	10 - 20	10043-35-3	15 mg/m³ Total Dust 5mg/m³(Respirable)	2 mg/m³ Inhalable fraction
Cellulose Fiber	Balance	9004-34-6	10 mg/m³	10 mg/m³

Balance of ingredients are non-hazardous or hazardous in less than 1% in concentration (or 0.1% for carcinogens, reproductive toxins, or respiratory sensitizers).

CALIFORNIA PROP 65: This product does not contain an ingredient(s), above the safe harbor limits, which are known to the state of California to cause cancer, birth defects, or other reproductive harm.

HAZARDS DISCLOSURE: This product does contain known hazardous materials in reportable levels as defined by the OSHA Hazard Communication Standard 29 CFR 1910.1200. As defined under Sara 311 and 312, this product contains known hazardous materials.

3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

WARNING! THIS PRODUCT MAY CHEMICALLY AND MECHANICALLY IRRITATE CONTAMINATED SKIN TISSUE AND RESPIRATORY TRACT. THIS PRODUCT MAY BE HARMFUL IN EVENT OF INHALATION OVER THE RECOMMENDED EXPOSURE LEVELS. THIS PRODUCT CONTAINS BORIC ACID WHICH IS CLASSIFIED AS HAZARDOUS UNDER THE OSHA HAZARD COMMUNICATION STANDARD BASED ON ANIMAL CHRONIC TOXICITY STUDIES.

POTENTIAL HEALTH EFFECTS
ROUTES OF ENTRY: Skin. Eyes, Inhalation, Ingestion.
TARGET ORGANS: Skin. Respiratory System
INHALATION: Inhalation of this material will cause irritation to nose, throat and respiratory tract.
INGESTION: Not expected to be a normal route of entry. Ingestion of small amounts may produce mild gastrointestinal irritation.
SKIN CONTACT: Prolong contact with skin may cause irritation. Symptoms include redness, and itching.
EYE CONTACT: Dust can irritate the eyes.
CHRONIC EXPOSURE: Repeated inhalation can produce varying degrees of respiratory irritation.
AGGRAVATION OF PRE-EXISTING CONDITIONS: Persons with pre-existing eye, skin disorders or impaired respiratory function may be more susceptible to the effects of the substance.

4. FIRST AID MEASURES

INHALATION FIRST AID: If breathing difficulty develops, remove victim to fresh air. Provide oxygen if breathing continues to be difficult. If not breathing, give artificial respiration, preferably mouth to mouth. GET MEDICAL ATTENTION IMMEDIATELY.
SKIN CONTACT FIRST AID: If contact occurs wash skin with plenty of soap and water. Remove contaminated clothing. Wash clothing before reuse. GET MEDICAL ATTENTION IF IRRITATION OCCURS.
EYE CONTACT FIRST AID: If contact with eyes, immediately flush eyes with plenty of water for at least 15 minutes lifting upper and lower eyelids occasionally. GET MEDICAL ATTENTION IF IRRITATION OCCURS.
INGESTION FIRST AID: Induce vomiting ONLY as directed by medical personnel. Never give anything by mouth to an unconscious person. GET MEDICAL ATTENTION IMMEDIATELY.
NOTE TO PHYSICIANS: Treat symptoms.

5. FIRE FIGHTING MEASURES

FLAMMABLE PROPERTIES:
AUTO IGNITION TEMPERATURE: Not Applicable
FLASH POINT: Not Applicable
FLAMMABLE LIMITS IN AIR, % by Volume: lel: N.E.; uel: N.E.
EXTINGUISHING MEDIA: Use fire extinguishing materials appropriate for surrounding fire including water spray (for cooling), dry extinguishing media, carbon dioxide, foam.

FIRE & EXPLOSION HAZARDS: This product has fire retardants in it to prevent or delay combustion.
SPECIAL INFORMATION:
In the event of a fire, wear full protective clothing and NIOSH-approved self-contained breathing apparatus with full facepiece operated in the pressure demand or other positive pressure mode.

6. ACCIDENTAL RELEASE MEASURES

SPILL CLEAN-UP PROCEDURES: Evacuate unprotected personnel from the area. Maintain adequate ventilation. Follow personal protective equipment recommendations found in section 8. Contain and recover if possible. Wear rubber gloves, safety glasses, and appropriate body protection. Sweep up spilled material. Avoid generating airborne dusts. Always dispose of wastes in accordance with local, state and federal regulations.

7. HANDLING AND STORAGE

RECOMMENDED STORAGE CONDITIONS: Protect against physical damage. Store containers in a cool, dry location, away from direct sunlight, away from incompatible chemicals Observe all warnings and precautions listed for the product.
HANDLING (PERSONNEL): Handle in accordance with good industrial hygiene and safety practices. Avoid contact with eyes, skin and clothing. Use with adequate ventilation. Avoid breathing vapors, mists, or dust. Do not eat, drink or smoke in work area. Wash thoroughly after handling.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

AIRBORNE EXPOSURE LIMITS: See Section 2 above.

VENTILATION SYSTEM: A system of local and/or general exhaust is recommended to keep employee exposures below the Airborne Exposure Limits. Please refer to the ACGIH document, Industrial Ventilation, A Manual of Recommended Practices, most recent edition, for details.
PERSONAL RESPIRATORS (NIOSH APPROVED): If the exposure limit is exceeded and engineering controls are not feasible, a respirator may be required. Where respirators are required, you must have a written program covering the basic requirements in the OSHA respirator standard. These include training, fit testing, medical approval, cleaning, maintenance, cartridge change schedules, etc. See 29CFR1910.134 for details.
SKIN PROTECTION: Wear protective clothing, gloves, as appropriate.
EYE PROTECTION: Use safety glasses and/or goggles, as appropriate.
Maintain eye wash fountain and quick-drench facilities in work area.
GOOD HYGIENE CONDITIONS: Wash with soap and water before meals and at the end of each work shift. Good manufacturing practices require amounts of any chemical be removed from the skin as soon as practical, especially before eating or smoking.

9. PHYSICAL AND CHEMICAL PROPERTIES

FORM: Solid
ODOR: No Odor
SOLUBILITY IN WATER: Slightly soluble in water
MELTING POINT: Not Applicable
AUTO IGNITION TEMPERATURE: Not Applicable
pH: Not Applicable
COLOR: Various Colors
BOILING POINT: Not Applicable
SPECIFIC GRAVITY: 0.86 (Water =1)
EVAPORATION RATE (BuAc=1): Not Applicable
FLASH POINT: Not applicable
VAPOR PRESSURE: Not Applicable

10. STABILITY AND REACTIVITY

STABILITY: Stable under ordinary conditions of use and storage.
CONDITIONS TO AVOID: Extreme temperatures, incompatible materials.

HAZARDOUS POLYMERIZATION: Will not occur
INCOMPATIBILITY WITH OTHER MATERIALS: This product is incompatible with Bromine pentafluoride, sodium nitrate, fluorine, strong oxidizers, alkali carbonates, alkali hydroxides, potassium and acetic anhydride.
HAZARDOUS DECOMPOSITION: This product has fire retardants in it to prevent or delay combustion.

11. TOXICOLOGICAL INFORMATION

TOXICOLOGICAL DATA:

SODIUM BORATE:
LDLo (oral, infant) = 1 g/kg
LDLo (oral, man) = 709 mg/kg; Behavioral: convulsions or effect on seizure threshold; Cardiac: change in rate; Gastrointestinal: nausea or vomiting
LD_{50} (oral, rat) = 2660 mg/kg
LD_{50} (oral, mouse) = 2 g/kg
BORIC ACID:
Skin Irritancy (human) = 15 mg/3 days/intermittent; Mild irritation effects
LDLo (oral, man) = 429 mg/kg; Cardiovascular effects, Systemic effects
LDLo (oral, woman) = 200 mg/kg
LDLo (oral, infant) = 934 mg/kg
LDLo (skin, infant) = 1200 mg/kg
CELULOSE FIBER:
LC_{50} (Inhalation-Rat) > 5800 mg/m^3/4 hours
LD_{50} (Oral-Rat) > 5 g/kg
LD_{50} (Skin-Rabbit) > 2 g/kg
LD_{50} (Intraperitoneal-Rat) > 31,600 mg/kg

Carcinogenic effects: Not available.
Mutagenic effects: Not available.
Teratogenic effects: Not available.
Reproductive effects: Animal feeding studies in rat, mouse, and dog, at high doses, have demonstrated effects on fertility.

Cancer Lists:

	---NTP Carcinogen---		
Ingredient	**Known**	**Anticipated**	**IARC Category**
All ingredients	No	No	None

12. ECOLOGICAL INFORMATION

ENVIRONMENTAL FATE:
These products have not been tested for mobility in soil.

ENVIRONMENTAL TOXICITY:
These products have not been tested for persistence or biodegradability. The components may slowly degrade in the environment and form a variety of organic and inorganic materials; however, no specific information is known.

13. DISPOSAL CONSIDERATIONS

WASTE DISPOSAL:
Recover, reclaim or recycle when practical.
Dispose of material in accordance with federal, state and local requirements. For proper disposal of used material, an assessment must be completed to determine the proper and permissible waste management options permitted under applicable rules, regulations and/or laws governing your location.

14. TRANSPORTATION INFORMATION

Domestic (Land, D.O.T.), International (Water, I.M.O.), International (Air, I.C.A.O.)
This product is not classified as dangerous goods, per U.S. DOT regulations, under 49 CFR 172.101. Non-Regulated.

15. REGULATORY INFORMATION

FEDERAL REGULATORY STATUS

Chemical Inventory Status - Part 1

Ingredient	TSCA	EC	Japan	Australia
All Ingredients	YES	YES	YES	YES

Chemical Inventory Status - Part 2

			CANADA	
Ingredient	Korea	DSL	NDSL	Phil.
All Ingredients	YES	YES	NO	YES

Federal, State & International Regulations - Part 1

	-SARA 302-		-SARA 313-	
Ingredient	RQ	TPQ	List	Chemical Catalog
All Ingredients	NO	NO	YES	NO

	CERCLA	-RCRA-	-TSCA-
Ingredient		261.33	8(d)
All Ingredients	None	NO	NO

SARA 311/312: Acute: Yes Chronic: No Fire: No Pressure: No
Reactivity: No (Pure / Liquid)

STATE REGULATIONS:
PROP 65 - WARNING:
THIS PRODUCT DOES NOT CONTAIN A CHEMICAL(S) KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER.

RCRA 40 CFR: None.

CANADIAN REGULATIONS:
CANADIAN DSL/NDSL INVENTORY STATUS: The components of this product are on the DSL Inventory, or are exempted from listing.

CANADIAN ENVIRONMENTAL PROTECTION ACT (CEPA) PRIORITIES SUBSTANCES LISTS: No component of this product is on the CEPA First Priorities Substance Lists.

CANADIAN WHMIS CLASSIFICATION and SYMBOLS: Class D2A Materials Causing Other Toxic Effects (May cause reproductive toxicity)

This material or all of its components are listed on the Inventory of Existing Chemical Substances under the Toxic Substance Control Act (TSCA). This material or all of its components are listed on the Canadian Domestic Substances List (DSL). This material or all of its components are listed (or considered as having been notified) on the European Inventory of Existing Chemical Substances (EINECS). Other inventory lists:, Korea (TCCL), Australia (AICS), China (Draft), PICCS (Philippines-RA6969), Japan (ENCS METI/MOL).

16. OTHER INFORMATION

Label Requirements:

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Hazardous Material Information System (HMIS):	**Health**	**1**
	Flammability	**0**
	Reactivity	**0**
	Personal Protection	**B**

National Fire Protection Association (NFPA) 1-Health, 0-Flammablity, 0-Reactivity

NFPA/HMIS Definitions: 0-Least, 1-Slight, 2-Moderate, 3-High, 4-Extreme
Protective Equipment: GOGGLES & SHIELD; PROPER GLOVES;
Prepared By: Paul Eigbrett (MSDS Authoring PLUS)
Date: April 28, 2010

Part Number: --
Supersedes Date: New

ADDITIONAL INFORMATION:

The data in this Material Safety Data Sheet relates only to the specific material designated herein. It does not relate to use in combination with any other material or in any process. This Material Safety Data Sheet (MSDS) has been reviewed to fully comply with the guidance contained in the ANSI MSDS standard (ANSI Z400.1-2004)

Although the information set forth herein is presented in good faith and believed to be correct as of the date of issuance, it has been furnished by our suppliers; consequently, International Cellulose Corporation makes no representations or warranties, express or implied, with respect to information herein presented. The information set forth herein is supplied upon the condition that the persons receiving same will make their own determination as to suitability for their purposes prior to use and relates only to the specific product described and not to such product in combination with any other product. In no event will International Cellulose Corporation be responsible for damages of any nature resulting from the use of or reliance upon this information.

END OF MSDS