

Material Safety Data Sheet

K-13 Spray-On/SonaSpray/URE-K

Section I

Manufacturer's Name: International Cellulose Corporation	Emergency Telephone Number (713) 433-6701
Address 12135 Robin Boulevard Houston, TX 77045	Telephone Number for Information (713) 433-6701
Date Prepared: 11/30/2009	Signature of Preparer: Caliche Ltd.

Section II - Hazardous Ingredients/Identity Information

Hazardous Components (Specific Chemical Identity; Common Name(s)) (CAS) Identifier Number	OSHA PEL 8-hr TWA, (mg/m ³)	ACGIH TLV 8-hr TWA, (mg/m ³)	Other Limits Recommended (NIOSH) 8-hr TWA (mg/m ³)	Percent by Wt (%)
Borates, Tetra, Sodium Salts (Borax) CAS 1303-96-4 (Generic) CAS 12179-04-3 (Pentahydrate)	15- Total, 5- Respirable	1 Pentahydrate	1 Pentahydrate	5.5 Max
Boric Acid (Orthoboric Acid, Boracic Acid) CAS 10043-35-3	15-Total, 5- Respirable	2	6- Total, 2- Respirable	15 Max
Cellulose (Macerated Paper) CAS 9004-34-6	15-Total, 5- Respirable	10	10-Total, 5- Respirable	80 Max

Section III - Physical/Chemical Characteristics

Boiling Point N/A	Decomposes	Specific Gravity (H ₂ O = 1)	0.86
Vapor Pressure (mm Hg)	0	Melting Point N/A	Decomposes
Solubility in Water: Slight : (Estimated, less than 2-grams/100-mL)			
Appearance and Odor: Products are multi color, fibrous, solid material that is odorless and packaged in labeled plastic bag..			

Section IV - Fire and Explosion Hazard Data

Flash Point: N/A	Flammable Limits Non-Flammable	LEL: N/A	UEL: N/A
Extinguishing Media: No restrictions.			
Special Fire Fighting Procedures: None			
Unusual Fire and Explosion Hazards: None reported.			

Section V - Reactivity Data

Stability	Stable under normal ambient room conditions
Incompatibility: Fire retardant properties likely will be reduced or eliminated by the following: contamination with oils, fuels, other flammable/combustible materials, or strong oxidizers.	
Hazardous Decomposition or Byproducts: Expected decomposition products include carbon monoxide and carbon dioxide.	

Section VI - Health Hazard Data

Route(s) of Entry:	Inhalation? YES	Skin? YES	Ingestion? YES
<p>Health Hazards (<i>Acute and Chronic</i>) Health hazards are a result of the combined components in this product (Borates; Boric Acid; Cellulose). Acute Health hazards arising from use of this product are primarily irritation of mucous membranes (eyes, throat, lungs, etc.). No chronic health hazards have been identified.</p>			
Carcinogenicity: N/A			
Signs and Symptoms of Exposure Irritation of mucous membranes (eyes; throat; lungs)			
Medical Conditions Generally Aggravated by Exposure: Those with asthma or allergies may be affected.			
Emergency and First Aid Procedures Remove from exposure. Apply first aid as required by symptoms. Call 911 if in doubt.			

Section VII - Precautions for Safe Handling and Use

Steps to Be Taken in Case Material is Released or Spilled: Lightly wet spilled material with water to prevent dusting and transfer to leak proof container. Seal container, attach appropriate labels, and dispose of according to Federal, State, and local regulations.
Waste Disposal Method: Handle according to applicable waste regulations
Precautions to Be taken in Handling and Storing: Store in tightly closed containers in cool, dry, protected area Isolate from incompatible substances.

Section VIII - Control Measures

Engineering Controls: If dust is generated, provide local exhaust ventilation to control airborne concentration below 5-mg/m³ (Total dust) and 3- mg/m³ of respirable particles.

Personal Protective equipment:

Respiratory Protection: Respiratory protection is generally not needed during routine conditions of use of this product. If airborne dust concentrations exceed the exposure guidelines, use a NIOSH approved respirator for the concentrations encountered. See OSHA Regulations (29 CFR 1910.134) for respirator program requirements.

Eye Protection: Not needed during normal use. During operations in which dusts of the product may be generated, safety glasses should be considered. If necessary, refer to U.S. OSHA 29 CFR 11910.133.

Hand Protection: Not needed during normal use. Wear the appropriate hand protection for the process. If necessary, refer to U.S. OSHA 29 CFR 1910.138.

Body/Skin Protection: Not needed during normal use. Use appropriate protective clothing for the task.

If necessary, refer to the OSHA Technical Manual (Section VII: Personal Protective Equipment)

Under emergency firefighting, responders should wear appropriate protective fire fighting equipment.

Work/Hygienic Practices: Wash face and hands before eating. Shower and change clothing daily.

Manufacturer Disclaimer: Information given herein is offered in good faith as accurate, but without guarantee. Conditions of use and suitability of the product for particular uses are beyond our control; all risks of use of this product are therefore assumed by the user. Nothing is intended as a recommendation for uses, which infringe valid patents, or as extending license under valid patents. Appropriate warnings and safe handling procedures should be provided to handlers and user's.