

# MATERIAL SAFETY DATA SHEET

## Hydrogel – KM 30B

FILE NO.:  
MSDS DATE: 07/26/2011

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### SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

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**PRODUCT NAME:** Hydrogel – KM 30B

**MANUFACTURER:** Katecho, Inc  
**ADDRESS:** 4020 Gannett Ave  
Des Moines, IA 50320

**EMERGENCY PHONE:** (515) 244-1212 (Monday – Friday 8:00 am to 4:30 pm)  
**FAX PHONE:** (515) 244-4912

**PRODUCT USE:** Component used in Electrode Manufacture  
**PREPARED BY:** John Hughes

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### SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS

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<b>INGREDIENT:</b>	<b>CAS#</b>	<b>%WT</b>
Modified Polyacrylamide	N/A	25.0 – 35.0%
Glycerin	56-81-5	30.0 – 50.0%
N-Methyldiethanolamine	105-59-9	4.0 – 6.0%
Sodium bromide	7647-15-6	0.5 – 3.0%
Water	7732-18-5	10.0 – 30.0%

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### SECTION 3: HAZARDS IDENTIFICATION

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**EMERGENCY OVERVIEW:** Not known to be hazardous

**ROUTES OF ENTRY:** Eye contact – Skin contact - Ingestion

**POTENTIAL HEALTH EFFECTS**

**EYES:** Contact may cause irritation

**SKIN:** Contact may cause irritation to skin

**INGESTION:** May cause slight irritation to mouth, throat and digestive system.

**INHALATION:** May cause slight irritation to nose

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### SECTION 4: FIRST AID MEASURES

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**EYES:** Immediately flush eyes with plenty of water for at least 15 minutes, holding eyes open. Seek medical attention if soreness or redness persists.

**SKIN:** Wash skin thoroughly with soap and water. Continue washing for at least 15 minutes. Remove contaminated clothing. Seek medical attention if blistering occurs or redness persists.

**INGESTION:** Immediately rinse mouth and then drink plenty of water, do not induce vomiting, seek medical attention

**INHALATION:** Remove to well ventilated area

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### SECTION 5: FIRE-FIGHTING MEASURES

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**FLAMMABLE LIMITS IN AIR, UPPER:** N/A  
(% BY VOLUME)                      **LOWER:** N/A

**FLASH POINT:** N/A

**METHOD USED:**

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AUTOIGNITION TEMPERATURE: Not established

### NFPA HAZARD CLASSIFICATION

HEALTH: 0                      FLAMMABILITY: 0                      REACTIVITY: 0  
OTHER:

**PROTECTION:** Firefighters should be equipped with self-contained breathing apparatus and turn-out gear.

**EXTINGUISHING MEDIA:** Carbon dioxide, dry extinguishing media, water spray, foam

**HAZARDOUS DECOMPOSITION PRODUCTS:** Hazardous decomposition products may occur

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### SECTION 6: ACCIDENTAL RELEASE MEASURES

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**ACCIDENTAL RELEASE MEASURES:** Ensure adequate ventilation. Avoid contact with the skin, eyes and clothing. Spills should be contained, solidified, and placed in suitable containers for disposal

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### SECTION 7: HANDLING AND STORAGE

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**HANDLING AND STORAGE:** Handle in accordance with good industrial hygiene and safety practice. The substance/ product may be handled only by appropriately trained personnel. Ensure thorough ventilation of stores and work areas. When filling, transferring, or emptying of containers, adequate local exhaust ventilation is necessary. Protect contents from the effects of light. Protect from direct sunlight. Protect against heat. Do not open warm or swollen product containers.

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### SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

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**VENTILATION :** NA  
**EYE PROTECTION:** NA  
**SKIN PROTECTION:** NA  
**WORK HYGIENIC PRACTICES:** NA

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### SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

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**APPEARANCE:** clear, blue  
**ODOR:**  
**PHYSICAL STATE:** semi-solid  
**pH AS SUPPLIED:** 4.5 – 5.5  
**BOILING POINT:** Not established  
**MELTING POINT:** Not established  
**FREEZING POINT:** Not established  
**VAPOR PRESSURE (mmHg):** Not established  
**VAPOR DENSITY (AIR = 1):** Not established  
**SPECIFIC GRAVITY (H<sub>2</sub>O = 1):** 1.18g/ml  
**EVAPORATION RATE:** Not established  
**SOLUBILITY IN WATER:** Infinitely soluble

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**SECTION 10: STABILITY AND REACTIVITY**

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**CONDITIONS TO AVOID (STABILITY):** Avoid heat and light

**INCOMPATIBILITY (MATERIAL TO AVOID):** none known

**HAZARDOUS DECOMPOSITION OR BY-PRODUCTS:** carbon monoxide, carbon dioxide

**HAZARDOUS POLYMERIZATION:** Will not occur

**CONDITIONS TO AVOID (POLYMERIZATION):** Excessive heat and light

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**SECTION 11: TOXICOLOGICAL INFORMATION**

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**TOXICOLOGICAL INFORMATION:** Not established

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**SECTION 12: ECOLOGICAL INFORMATION**

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**ECOLOGICAL INFORMATION:** No relevant studies identified

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**SECTION 13: DISPOSAL CONSIDERATIONS**

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**WASTE DISPOSAL METHOD:** Dispose of in accordance with all applicable local and national regulations.

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**SECTION 14: TRANSPORT INFORMATION**

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**U.S. DEPARTMENT OF TRANSPORTATION**  
**PROPER SHIPPING NAME:**  
**HAZARD CLASS:**  
**ID NUMBER:**

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**SECTION 15: REGULATORY INFORMATION**

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**U.S. FEDERAL REGULATIONS**  
**TSCA (TOXIC SUBSTANCE CONTROL ACT):** This product contains ingredients that are listed on or exempt from listing on the EPA Toxic Substance Control Act Chemical Inventory

**SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT):** This product does not contain any chemicals subject to SARA Title III

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**SECTION 16: OTHER INFORMATION**

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**PREPARATION INFORMATION:** Katecho, Inc

**DISCLAIMER:**

The information and recommendations presented in this MSDS are based on sources believed to be accurate; therefore, Katecho Inc. assumes no liability for the accuracy or completeness of this information. It is the user's responsibility to determine the suitability of the information for their particular purposes.