



WATER TREAT TECHNOLOGY

MATERIAL SAFETY DATA SHEET

SECTION I

MANUFACTURER'S NAME: ROQUETTE AMERICA, INC. EMERGENCY PHONE: (319) 524-5757

ADDRESS: 1417 EXCHANGE STREET, KEOKUK IA 52632

CHEMICAL NAME AND SYNONYMS: CORN STEEP LIQUOR

PRODUCT NAME: **BIO-BOOSTER**

CHEMICAL FAMILY: MAIZE PROTEIN

CAS #: 66071-94-1

DOT SHIPPING NAME: Not Regulated

DOT HAZARD CLASS: Not Regulated

SECTION II - INGREDIENTS

COMPONENT	CAS NO.	WEIGHT %	OSHA HAZARD
CORN STEEP LIQUOR	66071-94-1	100	NO

SECTION III - PHYSICAL DATA

BOILING POINT: NOT DETERMINED

BULK DENSITY: approx 0.60 kg/l

VAPOR PRESSURE (MM Hg.): NOT DETERMINED PERCENT, VOLATILE: <5.5% (MOISTURE)

VAPOR DENSITY (AIR=1): NOT DETERMINED

EVAPORATION RATE: NOT DETERMINED

SOLUBILITY IN WATER: soluble at 20 C (approx 500 g/l)

APPEARANCE AND ODOR: BROWN POWDER, Corn Steep Odor.

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (° F): NOT DETERMINED

FLAMMABLE LIMITS: NOT DETERMINED

EXTINGUISHING MEDIA: WATER, AS APPROPRIATE FOR SURROUNDING MATERIALS.

NON-SUITABLE EXTINGUISHING MEDIA: CARBON DIOXIDE: INACTIVE

SPECIAL FIRE FIGHTING PROCEDURES: WHEN EXTINGUISHING A FIRE INVOLVING POWDERS, AVOID CREATING A DUST CLOUD THAT MAY POSE AN EXPLOSION HAZARD.

UNUSUAL FIRE AND EXPLOSION HAZARDS: AS WITH ALL POWDERED MATERIAL THAT CAN BURN, AVOID SUSPENSIONS IN AIR THAT MAY POSE AN EXPLOSION HAZARD IF IGNITED.

SECTION V - HEALTH HAZARD DATA

TOXICOLOGICAL INFORMATION:

ACUTE: PRODUCT-SPECIFIC DATA NOT ESTABLISHED.

LOCAL EFFECTS: RUBBING MAY CAUSE MECHANICAL SKIN IRRITATION FOR HYPERSENSITIVE INDIVIDUALS. IRRITATION SYMPTOMS DUE TO THE PROLONGED EXPOSURE TO LACTIC ACID.

OTHER INFORMATION: NO KNOWN TOXICITY. CONTAINS LACTIC ACID (approx 25%) NOT LISTED AS A CARCINOGENS BY IARC, NTP, OR OSHA.

EXPOSURE LIMITS:

SPECIFIC EXPOSURE LIMITS ARE NOT ESTABLISHED.

EFFECTS OF OVEREXPOSURE:

SKIN CONTACT - NOT LIKELY TO CAUSE IRRITATION. NOT LIKELY TO BE ABSORBED THROUGH SKIN IN HARMFUL AMOUNTS.

EYES - POSSIBLE IRRITATION AND IMPAIRED VISION DUE TO DUST.

INHALATION - EFFECTS ANTICIPATED TO BE THAT OF A NUISANCE DUST.

INGESTION - IF GASTROINTESTINAL IRRITATION DEVELOPS, CONSULT MEDICAL PERSONNEL.

EMERGENCY AND FIRST AID PROCEDURES:

SKIN - WASH WITH WATER AND SOAP.

EYES - FLUSH WITH WATER FOR AT LEAST 15 MINUTES.

INHALATION - REMOVE TO FRESH AIR. IF RESPIRATORY SYMPTOMS DEVELOP, CONSULT MEDICAL PERSONNEL.

INGESTION - SEEK MEDICAL ATTENTION ACCORDING TO SYMPTOMS. IF GASTROINTESTINAL IRRITATION DEVELOPS, CONSULT MEDICAL PERSONNEL.

SECTION VI - REACTIVITY DATA

STABILITY: STABLE.

INCOMPATIBILITY (Materials to avoid): STRONG OXIDIZING AGENTS.

HAZARDOUS DECOMPOSITION PRODUCTS: COMBUSTION PRODUCTS NOT FULLY CHARACTERIZED.

COMBUSTION PRODUCTS MAY INCLUDE CARBON DIOXIDE AND CARBON MONOXIDE IN ADDITION TO OXYGEN, WATER, NITROGEN.

HAZARDOUS POLYMERIZATION: WILL NOT OCCUR.

HAZARDOUS REACTIONS: AIR/DUST MIXTURE (EXPLOSION HAZARDS)

Product: SOLULYS 095K

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SECTION VII - SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: REMOVE SPILLED MATERIAL WITH A SCOOP OR SHOVEL. AVOID GENERATION OF DUST. WHERE PROPER AUTHORIZATIONS EXIST, TRACES OF RESIDUES MAY BE REMOVED BY FLUSHING TO A SEWER CONNECTED TO AN APPROPRIATE TREATMENT FACILITY.

WASTE DISPOSAL METHOD: ALL DISPOSAL METHODS MUST BE IN COMPLIANCE WITH ALL FEDERAL, STATE/PROVINCIAL AND LOCAL LAWS AND REGULATIONS.

SECTION VIII - SPECIAL PROTECTION INFORMATION

VENTILATION: USE GENERAL AND/OR LOCAL EXHAUST VENTILATION AS NEEDED TO MINIMIZE EXPOSURE. ENSURE THAT ALL VENTILATING AND DUST COLLECTION IS DESIGNED SO AS TO

PREVENT IGNITION OF DUST.

RESPIRATORY PROTECTION: AS NEEDED TO MEET APPLICABLE EXPOSURE LIMITATIONS. NOT NORMALLY REQUIRED WHERE ADEQUATE VENTILATION CONDITIONS EXIST.

SKIN PROTECTION: USE OF IMPERMEABLE GLOVES ARE RECOMMENDED WHERE HANDLING MAY RESULT IN PROLONGED CONTACT WITH HANDS.

EYE PROTECTION: SAFETY GLASSES. CHEMICAL GOGGLES IF DUSTS ARE PRESENT.

OTHER PROTECTIVE EQUIPMENT: USE GOOD INDUSTRIAL HYGIENE PRACTICE.

SECTION IX - SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING:

AVOID ACCUMULATIONS OF DUST.

STORE AWAY FROM OXIDIZING AGENTS.

PRACTICE REASONABLE CARE APPROPRIATE FOR FOOD/PHARMACEUTIC INGREDIENTS.

OTHER PRECAUTIONS: NONE NORMALLY REQUIRED.

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