



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: **DEXTROSE; DEXTROSE MONOHYDRATE; D-GLUCOSE**

TRADE NAME AND SYNONYMS: **DEXTROSE**

CHEMICAL FAMILY: **CARBOHYDRATE**

FORMULA: **C₆H₁₂O₆ · H₂O**

CAS #: **50-99-7**

SECTION II - INGREDIENTS

COMPONENT	CAS NO.	WEIGHT %	OSHA HAZARD
DEXTROSE	50-99-7	100	NO

SECTION III - PHYSICAL DATA

MELTING POINT: **approx. 83°C (181°F)**

LOOSE BULK DENSITY:
approx. 32 lbs./ft³

SOLUBILITY IN WATER: **approx. 1 g/1 ml**

PERCENT VOLATILE: **Not determined**

VAPOR DENSITY (AIR=1): **Not determined**

EVAPORATION RATE: **Not determined**

APPEARANCE AND ODOR: **White powder. Odorless. Sweet taste.**

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (°F): NOT DETERMINED

FLAMMABLE LIMITS: NOT DETERMINED

EXTINGUISHING MEDIA: WATER SPRAY, CARBON DIOXIDE, DRY CHEMICAL, ALL PER FOLLOWING NOTE.

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:

DEXTROSE IS NOT LISTED AS A CARCINOGEN BY IARC, NTP, OR OSHA.

EXPOSURE LIMITS:

SPECIFIC EXPOSURE LIMITS ARE NOT ESTABLISHED.

REFER TO LIMITS FOR PARTICULATES NOT OTHERWISE CLASSIFIED/REGULATED.

EFFECTS OF OVEREXPOSURE:

SKIN CONTACT - NOT LIKELY TO CAUSE IRRITATION OR 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 - NO SIGNIFICANT EFFECTS ANTICIPATED.

EMERGENCY AND FIRST AID PROCEDURES:

SKIN - WASH WITH WATER.

EYES - FLUSH WITH WATER.

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

INGESTION - IF GASTROINTESTINAL IRRITATION DEVELOPS, CONSULT MEDICAL PERSONNEL.

SECTION VI - REACTIVITY DATA

STABILITY: STABLE.

INCOMPATIBILITY (Materials to avoid): STRONG OXIDIZING SUBSTANCES.

HAZARDOUS DECOMPOSITION PRODUCTS: COMBUSTION PRODUCTS NOT FULLY CHARACTERIZED. COMBUSTION PRODUCTS MAY INCLUDE CARBON DIOXIDE AND CARBON MONOXIDE.

HAZARDOUS POLYMERIZATION: WILL NOT OCCUR.

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 NATIONAL, STATE/PROVINCIAL AND LOCAL LAWS AND REGULATIONS.

SECTION VIII - SPECIAL PROTECTION INFORMATION

VENTILATION: USE OF GENERAL AND/OR LOCAL EXHAUST VENTILATION AS NEEDED TO CONFORM TO GOOD INDUSTRIAL HYGIENE PRACTICE IS RECOMMENDED. 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 IS RECOMMENDED TO MINIMIZE EXPOSURE.

EYE PROTECTION: USE OF SAFETY GLASSES, OR CHEMICAL GOGGLES IF DUSTS ARE PRESENT, IS RECOMMENDED.

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 A FOOD INGREDIENT.

OTHER PRECAUTIONS: NONE NORMALLY REQUIRED.

THE ABOVE DATA HAS BEEN COMPILED FROM SOURCES WHICH WE, ROQUETTE AMERICA, INC., BELIEVE TO BE DEPENDABLE AND IS ACCURATE AND RELIABLE TO THE BEST OF OUR KNOWLEDGE AND BELIEF. HOWEVER, WE CANNOT MAKE ANY WARRANTY OR REPRESENTATION RESPECTING THE ACCURACY OR COMPLETENESS OF THE DATA AND ASSUME NO RESPONSIBILITY FOR ANY LIABILITY OR DAMAGES RELATING TO ITS USE.