

A.B.DICK PRODUCT NUMBER:  
25MICRON-5BX

MATERIAL SAFETY DATA SHEET

Complies with OSHA Hazard Communication Standard 29 CFR 1910.1200

SECTION I

W-R Industries, Inc.  
2303 West 18th Street  
Chicago, Illinois 60608-1808  
Phone: 312-733-5200  
EMERGENCY PHONE: 312-733-5200  
06/11/2001

TRADE NAME: Micromark #25

SECTION II

**Hazardous Ingredients / Identity Information**

Hazardous Components	OSHA PEL	ACGIH TLV	OTHER LIMITS	%
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Chemical Name: Starches	N/A	30 mp pcf	10/mg/M <sup>3</sup>	
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Chemical Family: Carbohydrates

CAS# 9005-25-8

HMIS RATING: H-0, F-0, R-0

DOT Classification - 55

Dry powdered starch NOI

NMFC- 178760 Sub 2

This product is a food starch and contains no carcinogens

SECTION III

**Physical / Chemical Characteristics**

Boiling Point:	N/A	Specific Gravity (H <sub>2</sub> O = 1)	1.5-1.6
Vapor Pressure:	N/A	Melting Point:	N/A
Vapor Density (air = 1)	N/A	Evaporation Rate (Butyl Acetate = 1):	N/A
Solubility in water:	COLD - insoluble	HOT -	slightly soluble

Appearance and Odor: White free flowing powdered starch with slight cereal odor.

SECTION IV

**Fire and Explosion Data**

Flash Point (Method Used)	DUST TEST 360 - 575 °C
Flammable Limits:	LEL 70M UEL N/A
Extinguishing Media	DRY CHEMICAL FIRE EXTINGUISHERS OR WATER SPRAY

Special Fire Fighting Procedures AVOID CREATING DUST THAT MAY CAUSE SECONDARY EXPLOSION.

Unusual Fire and Explosion Hazards: EXPLOSIVE IN SPECIFIC DUST CONCENTRATIONS ONLY

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SECTION V

**Reactivity Data**

STABILITY STABLE XX CONDITIONS TO AVOID: N/A

INCOMPATIBILITY (MATERIALS TO AVOID): AVOID CONTACT WITH SODIUM CHLORITE OR OTHER

HAZARDOUS DECOMPOSITION OR BYPRODUCTS: NONE OXIDIZING MATERIALS

HAZARDOUS CONDITIONS TO AVOID: N/A

POLYMERIZATION

WILL NOT OCCUR XX

SECTION VI

HEALTH HAZARD DATA

ROUTES OF ENTRY INHALATION?	PRIMARY	SKIN	INGESTION
HEALTH HAZARDS (ACUTE & CHRONIC):		SECONDARY	N/A
UNKNOWN: THIS MATERIAL IS A FOOD STARCH WITH NO KNOWN LIMIT VALUES			
CARCINOGENICITY:	NTP?	IARC MONOGRAPHS?	OSHA REGULATED?
NOT A CARCINOGEN		NONE	YES
SIGNS AND SYMPTOMS OF EXPOSURE:	NO KNOWN ADVERSE HEALTH AFFECTS.		
STARCH POWDERS WILL DIGEST WITHIN BODY FLUIDS IN 24 HOURS OR BEFORE			
MEDICAL CONDITIONS			
GENERALLY AGGRAVATE BY EXPOSURE:	MAY SCRATCH OR AGGRAVATE EYE SURFACE		
EMERGENCY AND FIRST AID PROCEDURES	EYES: FLUSH EYES WITH WATER UNTIL CLEAR		
IF AGGRAVATION CONTINUES CONSULT MEDICAL ATTENTION.			

SECTION VII

PRECAUTIONS FOR SAFE HANDLING AND USE

STEPS IN CASE MATERIAL IS RELEASED OR SPILLED DRY SWEEP USING DUST CONTROL  
FLOOR SWEEPING COMPOUND OR FLUSH WITH WATER INTO SEWER SYSTEM  
WASTE DISPOSAL METHOD SEWER SYSTEM OR CONSULT FEDERAL, STATE AND  
LOCAL CODES FOR STARCH DUST REMOVAL  
PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: STORE AT AMBIENT TEMPERATURES

FIRE HAZARDS SHOULD BE AVOIDED. ADEQUATE SPRINKLER SYSTEM  
OTHER PRECAUTIONS: KEEP CONTAINERS CLOSED WHEN NOT IN USE

SECTION VIII

CONTROL MEASURES

RY PROTECTION:	STANDARD DUST MASK		
VENTILATION	LOCAL EXHAUST	TO OUTSIDE	SPECIAL N/A
	MECHANICAL	DUST & SPARK PROOF	OTHER N/A
PROTECTIVE GLOVES	NOT REQUIRED		
OTHER PROTECTIVE CLOTHING OR EQUIPMENT	NOT REQUIRED		
WORK/HYGIENIC PRACTICES	COMMON SENSE: KEEP EQUIPMENT CLEAN,		
AVOID SMOKING AND AVOID BUILD UP ON LIGHTS AND CEILING BEAMS WHICH MAY CAUSE DANGEROUS DUST CONCENTRATIONS TO FALL			