* MATERIAL SAFETY DATA SHEET ******* AUG. 4, 1992 ******* PAGE 1 (MSDS)*
* QUALITY CHEM PRODUCTS
* POWDERED STARCH
* 1283 N. GROVE ST.
* ANAHEIM, CA
* QCP PRODUCT NUMBER--AP-1258 * 92806
* SECTION 1. IDENTIFICATION *
* MANUFACTURED BY:-- (3F62) -- (BY CONTRACT FOR) -- QUALITY CHEM PRODUCTS,
* SOLD BY: --- BUTLER CHEMICALS------- (714) 620-7685--(714) 630-0712
* ADDRESS:----1283 N. GROVE ST. ANAHEIM, CALIFORNIA 92806------
* EMERGENCY PHONE NUMBERS:--------------SPILLS----------(800) 535-5053
* ----------------------------------------------- MEDICAL---------- (714) 634-5958
* COMMON NAMES AND SYNONYMS: POWDERED STARCH
* GOV/REG.--
* DEPARTMENT OF TRANSPORTATION (D.O.T.) CLASSIFICATIONS
* CLEANING COMPOUND, NOS, AS CLEANING COMPOUND, NOS.
* SECTION 2. --HAZARDOUS INGREDIENTS * EXPOSURE LIMITS IN ppm
* HAZARDOUS MATERIALS IDENTIFICATION SYSTEM: ( ) HEALTH (BLUE)
* ( ) FIRE (RED)
* ( ) REACTIVITY (YEL)
* ( )SPECIAL PERSONAL PROTECTION.
* CARCINOGENS--(< X )NO, ( )YES, ( )OSHA,( )NTP,( )IARC,( )CA-OS
* TOTAL DUST; 56780-58-6
* 10mg/m3 15mg/m3
* REOSPIRABLE FRACTION:
* 5mg/m3
* TOTAL DUST:
* SARA TITLE III: The ingredients of this product are not subject to
* the Toxic Chemical Reporting requirements of SECTION 313 of Title III
* of the Superfund Amendments and Reauthorization Act of 1986 and CFR
* part 372.
* YES, ( )OSHA, ( )NTP, ( )IARC, ( )CA-OS
* (HMIS) HAZARDOUS MATERIALS IDENTIFICATION SYSTEM: ( ) HEALTH (BLUE)
* ( ) FIRE (RED)
* CONSULT HMIS CHART FOR DESIGNATED PROTECTION
* ( ) REACTIVITY (YEL)
* ( )SPECIAL PERSONAL PROTECTION.
* SECTION 3. --PHYSICAL DATA *
* 1. BOILING POINT-----Not Applicable 4. (pH) SOLUTION--- N/A
* 2. % VOLATILES------- N/A 5. SOLUBILITY IN WATER---- 50-70%
* SPECIFIC GRAVITY-- 0.5-7g/ml normally, in cold water
* 6. APPEARANCE AND ODOR---
* White or white powder, pleasant to
* non-existent odor.
1. SKIN CONTACT—IMMEDIATELY WASH SKIN WITH LOTS OF SOAP AND WATER. REMOVE CONTAMINATED CLOTHING AND SHOES, AND WASH BEFORE RE-USE. GET MEDICAL ATTENTION IF IRRITATION PERSISTS AFTER WASHING.

2. EYES—IMMEDIATELY FLUSH EYES WITH LOTS OF RUNNING WATER FOR AT LEAST 15 MINUTES, LIFTING UPPER AND LOWER LIDS OCCASIONALLY. GET IMMEDIATE MEDICAL ATTENTION.

3. INGESTION—IF CONSCIOUS, IMMEDIATELY INDUCE VOMITING BY GIVING 2 GLASSES OF WATER AND STICKING FINGER DOWN THE THROAT. GET IMMEDIATE MEDICAL ATTENTION. DO NOT GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS OR CONVULSING PERSON.

4. INHALATION—REMOVE TO FRESH AIR. GIVE ARTIFICIAL RESPIRATION IF NOT BREATHING. GET IMMEDIATE MEDICAL ATTENTION.

*HEALTH HAZARD INFORMATION*

PRIMARY ROUTES OF EXPOSURE: SKIN OR EYE CONTACT

SIGNS AND SYMPTOMS OF EXPOSURE:

1. INHALATION—VAPORS AND DUSTS MAY IRRITATE THE NOSE AND THROAT.
2. EYE CONTACT—DUSTS WILL IRRITATE THE EYES.
3. SKIN CONTACT—MAY CAUSE SLIGHT IRRITATION UPON PROLONGED SKIN CONTACT.
POWDERED STARCH

4. INGESTION—SWALLOWING LARGE QUANTITIES MAY CAUSE NAUSEA AND VOMITING.

CHRONIC EFFECTS OF EXPOSURE: NO SPECIFIC INFORMATION AVAILABLE

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: NONE KNOWN

*TOXICITY DATA*

1. ORAL--

2. DERMAL-- *

3. INHALATION--

CARCINOGENICITY—THIS MATERIAL IS NOT CONSIDERED TO BE A CARCINOGEN BY THE NATIONAL TOXICOLOGY PROGRAM, THE INTERNATIONAL AGENCY FOR RESEARCH ON CANCER, OR THE OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION

* STORE AWAY FROM HEAT SOURCE. AVOID PROCEDURES WHICH COULD CAUSE A DUST CLOUD. STARCH DUST CAN FORM AN EXPLOSIVE MIXTURE WITH AIR.

*SECTION 6.—REACTIVITY DATA.*

STABILITY—STABLE POLYMERIZATION—WILL NOT OCCUR

CONDITIONS TO AVOID—PRACTICES WHICH PRODUCE DUST

MATERIALS TO AVOID—OXIDIZING AGENTS

HAZARDOUS PRODUCTS OF DECOMPOSITION—OXIDES OF CARBON

*SECTION 7.—SPILL OR LEAK PROCEDURES.*

DISPOSE OF IN ACCORDANCE WITH STATE AND LOCAL REGULATIONS

1. SMALL SPILL—MOP OR WIPE UP AND DISPOSE OF IN D.O.T. APPROVED WASTE CONTAINERS.

2. LARGE SPILL—CONTAIN SPILL WITH DIKES OF ABSORBENT MATERIALS SUCH AS CLAY, SAND OR VERNICULITE. COLLECT MATERIAL AND DISPOSE OF MATERIAL IN CERTIFIED (CLASS ONE) DISPOSAL FACILITY. ALL HAZARDOUS MATERIALS MUST BE SOLIDIFIED. WHEN DISPOSING OF WASTE CHEMICALS, CONTACT LOCAL ENVIRONMENTAL AGENCIES TO FULLY UNDERSTAND THE NECESSARY REGULATIONS GOVERNING THE DISPOSAL OF CHEMICAL WASTES.
1. Respiratory Protection-------When using this material in a confined space, personal respiratory protection recommended.

2. Protective Gloves--------When using chemicals of any sort it is recommended that gloves of heavy plastic or rubber be used when handling.

3. Eye Protection------------When handling chemicals it is recommend- that proper protection for the eyes be used. This consists of plastic goggles or face shield.

4. Other Protective Equipment--When handling chemicals of any sort, it is recommended that steel-toed rubber boots and a splash apron be used.

Chemicals can be hazardous if not respected. The use of proper equip- ment and procedures in handling of chemicals can not only be of bene- fit for their obvious uses but can reduce the possibilities of in- jury or lost-time accidents.

The responsibility to provide a safe workplace remains with the user. The user should consider the health hazard and safety informa- tion contained herein as a guide and should take those precautions required in an individual operation to instruct employees and develop work practice procedures for a safe work environment.

Special Notes--

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