

\* QUALITY CHEM PRODUCTS  
\* 1283 N. GROVE ST.  
\* ANAHEIM, CA  
\* 92806  
\* GCP PRODUCT NUMBER-- AP-1250

\* SECTION 1. IDENTIFICATION \*

MANUFACTURED BY:--( 3F62 )--(BY CONTRACT FOR)---QUALITY CHEM PRODUCTS.

SOLD BY:-----BUTLER CHEMICALS----- (714) 630-7883--(714) 630-0712

ADDRESS:---1283 N. GROVE ST. ANAHEIM, CALIFORNIA 92806-----

EMERGENCY PHONE NUMBERS:-----SPILLS----- (800) 335-5053  
MEDICAL----- (714) 634-5988

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

CHEMICAL NAME	C.A.S. #	%	ACGIH (TLV)	OSHA (PEL)	OTHER
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1. STARCH, NUISANCE DUST:	56780-58-6				
TOTAL DUST:			10mg/m3	15mg/m3	
RESPIRABLE FRACTION:				5mg/m3	

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.

CARCINOGENS--( X )NO, ( )YES, ( )osha, ( )ntp, ( )iarc, ( )ca-cs

(HMIS) HAZARDOUS MATERIALS IDENTIFICATION SYSTEM: ( 0 )HEALTH (BLUE)  
( 1 )FIRE (RED)  
CONSULT HMIS CHART FOR DESIGNATED PROTECTION ( 0 )REACTIVITY (YEL)  
NEEDED TO SAFELY HANDLE THIS PRODUCT -->>> ( 3 )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--- 60-70% normally, in cold water
SPECIFIC GRAVITY-- 0.6-7g/ml	6. APPEARANCE AND ODOR--- Off white powder, pleasant to non-existent odor.

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 \* FIRE AND EXPLOSION DATA \*  
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FLASH POINT, DEG F: N/A

FLAMMABLE LIMITS IN THE AIR %: N/A

METHOD USED: N/A

EXTINGUISHING MEDIA: WATER SPRAY, CARBON DIOXIDE, DRY CHEMICAL

SPECIAL PROCEDURES: AVOID PROCEDURES WHICH COULD CAUSE A DUST CLOUD OF STARCH TO BE FORMED.

UNUSUAL FIRE AND EXPLOSION HAZARDS: STARCH DUST CAN FORM AN EXPLOSIVE MIXTURE WITH AIR. AVOID CONDITIONS WHICH PRODUCE DUST.

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\* SECTION 3.--FIRST AID MEASURES.\*  
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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.

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\*HEALTH HAZARD INFORMATION\*

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PRIMARY ROUTES OF EXPOSURE: SKIN OR EYE CONTACT  
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SIGNS AND SYMPTOMS OF EXPOSURE:  
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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.

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

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\*TOXICITY DATA\*

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1. ORAL--

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2. DERMAL--

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\* NO DATA FOUND \*

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3. INHALATION--

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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.

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\* SECTION 6.--REACTIVITY DATA. \*

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STABILITY-- STABLE

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POLYMERIZATION--WILL NOT OCCUR

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CONDITIONS TO AVOID-- PRACTICES WHICH PRODUCE DUST

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MATERIALS TO AVOID-- OXIDIZING AGENTS

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HAZARDOUS PRODUCTS OF DECOMPOSITION-- OXIDES OF CARBON

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\* SECTION 7.--SPILL OR LEAK PROCEDURES. \*

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DISPOSE OF IN ACCORDANCE WITH STATE AND LOCAL REGULATIONS

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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 ABSORBANT MATERIALS SUCH AS CLAY, SAND OR VERMICULITE. 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.

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\* SECTION 8.--SPECIAL PROTECTION INFORMATION. \*  
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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.

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\* SECTION 9.--SPECIAL PRECAUTIONS. \*  
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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.

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\* SECTION 10.--USER'S RESPONSIBILITY. \*  
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THE RESPONSIBILITY TO PROVIDE A SAFE WORKPLADE 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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THIS DATA IS FURNISHED GRATUITOUSLY INDEPENDENT OF ANY SALE OF THE  
PRODUCT AND ONLY FOR YOUR INVESTIGATION AND INDEPENDENT VERIFICATION  
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