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Mar-5-01 11:24AM  
480 517 9594  
sent BY: CLARIANT PHOENIX

M A T E R I A L   S A F E T Y   D A T A   S H E E T

DATE: 3/05/01  
PAGE: 2

SHIPPED FROM: PHOENIX-CLARIANT MASTERBATCHES  
4425 E. ELWOOD ST  
SUITE 104  
PHOENIX, AZ 85040  
PHONE: (602) 517-9999  
EMERGENCY TELEPHONE: 508-825-6321 EXT 2456

PRODUCT DESCRIPTION: PP DSMJ6020E 025.00:1 YELLOW  
PRODUCT CODE: PP12676015

SECTION I - PRODUCT INFORMATION:

PRODUCT DESCRIPTION: PP DSMJ6020E 025.00:1 YELLOW  
PRODUCT CODE: PP12676015      VERSION NUMBER: 3      DATE: 3/05/01  
CHEMICAL NAME/FAMILY: THERMOPLASTICS RESIN(S) + COLORANT

SECTION II - HAZARDOUS INGREDIENTS/IDENTITY INFORMATION:

THE FOLLOWING INFORMATION PROVIDED ON THE BELOW HAZARDOUS PIGMENT(S) AND ADDITIVE(S) APPLIES TO THEM IN THE PURE DRY FORM. THE FORM OF THE PIGMENT AND ADDITIVE PROVIDED TO YOU IS ENCAPSULATED IN PLASTIC, AND THEREFORE, THE LIKELIHOOD OF EXPOSURE IS MUCH LESS, EVEN TO THE POINT OF NEGLIGIBLE. WE THEREFORE CONSIDER THE LEVEL OF HAZARD TO BE NEGLIGIBLE.

CAS NUMBER	DESCRIPTION	OSHA	ACGIH	OTHER LIMITS	DORS NOT EXCEED (%)
		PEL MG/M3	TLV MC/M3		
1314-98-3	ZINC SULFIDE(DUST)	15.0	15.0	-	29.18
7727-43-7	BARIUM SULFATE(DUST)	5.0	10.0	-	.60

SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS:

BOILING POINT: N/A  
SPECIFIC GRAVITY: 0.88-0.92 (.900 AT 23C)  
VAPOR PRESSURE: N/A  
MELTING POINT: >160C/323F  
VAPOR DENSITY: N/A  
EVAPORATION RATE: N/A  
SOLUBILITY IN WATER: NEGLIGIBLE  
APPEARANCE AND ODOR: COLORED PLASTIC PELLETT - NO SIGNIFICANT ODOR

SECTION IV - FIRE AND EXPLOSION HAZARD DATA:

FLASH POINT (METHOD USED):  
THERE IS A COMPONENT IN THIS PRODUCT WITH A FLASH POINT OF 329 C.  
THE METHOD USED TO DETERMINE THIS IS: (SEICKIN)  
ALL OTHER COMPONENTS USED IN THIS PRODUCT EITHER HAVE A HIGHER FLASH POINT OR ARE NOT COMBUSTIBLE AND DO NOT HAVE A FLASH POINT.

EXTINGUISHING MEDIA:  
FOAM, CARBON DIOXIDE, DRY CHEMICAL, WATER FOG

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SECTION IV - FIRE AND EXPLOSION HAZARD DATA: (CONT)  
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SPECIAL FIRE FIGHTING PROCEDURES:  
EQUIP FIREFIGHTERS WITH SELF-CONTAINED BREATHING APPARATUS (SCBA) AND  
TURN-OUT GEAR.

UNUSUAL FIRE AND EXPLOSION HAZARDS:  
IF INVOLVED IN FIRE FROM OTHER SOURCES, SO2 MAY BE GENERATED. USE  
PROTECTIVE EQUIPMENT AGAINST ACIDIC GASES.

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SECTION V - REACTIVITY DATA:  
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STABILITY: STABLE -> X UNSTABLE ->

STABILITY (CONDITIONS TO AVOID):  
CONTACT WITH STRONG MINERAL ACIDS IS TO BE AVOIDED.

INCOMPATIBILITY (MATERIALS TO AVOID):  
WHEN PROCESSING, AVOID CONTAMINATION WITH OTHER POLYMERS.

HAZARDOUS DECOMPOSITION OR BYPRODUCTS:  
HYDROGEN SULFIDE AND/OR SULFUR DIOXIDE

HAZARDOUS POLYMERIZATION: WILL OCCUR -> WILL NOT OCCUR -> X

HAZARDOUS POLYMERIZATION (CONDITIONS TO AVOID):  
STORE AWAY FROM ACIDS

-----  
SECTION VI - HEALTH HAZARD DATA:  
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HEALTH HAZARDS (ACUTE AND CHRONIC):

HEALTH HAZARD: INHALATION  
PELLETS NOT RESPIRABLE. INHALATION OF FINES FROM GROUND PELLETS CAN  
IRRITATE THE NOSE AND THROAT. FUMES FROM THE MELTEN PLASTIC SHOULD NOT BE  
INHALED UNNECESSARILY. PROPER VENTILATION SHOULD BE USED.

HEALTH HAZARD: SKIN  
SKIN CONTACT WITH THE PELLETS AS RECEIVED DOES NOT PRESENT ANY KNOWN HEALTH  
HAZARD. HOT MOLTEN POLYMER WILL CAUSE SEVERE THERMAL BURNS.

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EMERGENCY TELEPHONE: 508-829-6321 EXT 2456

PRODUCT DESCRIPTION: PP DSMJ6020E 025.00:1 YELLOW  
PRODUCT CODE: PP12676015

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SECTION VI - HEALTH HAZARD DATA: (CONT)  
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HEALTH HAZARD: INGESTION  
NOT A PROBABLE ROUTE OF EXPOSURE.

HEALTH HAZARD: EYE CONTACT  
EYE CONTACT MAY CAUSE A MECHANICAL ABRASION IRRITATION.

-----  
IS ANY CHEMICAL IN THIS PRODUCT AT A CONCENTRATION OF 0.1 % OR MORE  
CLASSIFIED AS A CARCINOGEN BY IARC, NTP, OR OSHA? NO  
-----

SIGNS AND SYMPTOMS OF EXPOSURE:

\* THE FOLLOWING INFORMATION PROVIDED ON THE BELOW HAZARDOUS INGREDIENT(S)  
APPLIES TO THE INGREDIENT(S) IN THE PURE DRY FORM. THE FORM OF THE  
INGREDIENTS PROVIDED TO YOU IS ENCAPSULATED IN PLASTIC, AND THEREFORE,  
THE LIKELIHOOD OF EXPOSURE IS MUCH LESS, EVEN TO THE POINT OF NEGLIGIBLE.  
WE THEREFORE CONSIDER THE LEVEL OF HAZARD TO BE NEGLIGIBLE.

ZINC SULFIDE: NONE KNOWN

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE:

\* THE FOLLOWING INFORMATION PROVIDED ON THE BELOW HAZARDOUS INGREDIENT(S)  
APPLIES TO THE INGREDIENT(S) IN THE PURE DRY FORM. THE FORM OF THE  
INGREDIENT(S) PROVIDED TO YOU IS ENCAPSULATED IN PLASTIC, AND THEREFORE,  
THE LIKELIHOOD OF EXPOSURE IS MUCH LESS, EVEN TO THE POINT OF NEGLIGIBLE.  
WE THEREFORE CONSIDER THE LEVEL OF HAZARD TO BE NEGLIGIBLE.

ZINC SULFIDE: NONE KNOWN

EMERGENCY FIRST AID: INHALATION

VENTILATION SHOULD BE PROVIDED TO CONTROL FUMES AND ODORS, AND ANY DUSTY  
CONDITIONS DUE TO FINES CREATED FROM GRINDING PELLETS. IF EXPOSED TO FUMES  
FROM OVERHEATING OR FROM COMBUSTION, MOVE TO FRESH AIR, CONSULT PHYSICIAN.

EMERGENCY FIRST AID: SKIN

IF MOLTEN POLYMER CONTACTS THE SKIN, COOL RAPIDLY WITH COLD WATER. DO NOT  
ATTEMPT TO PEEL POLYMER FROM SKIN. OBTAIN MEDICAL ATTENTION FOR THERMAL  
BURN. SKIN ABSORPTION OF REGROUND PELLETS IS UNLIKELY.

EMERGENCY FIRST AID: INGESTION

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EMERGENCY TELEPHONE: 508-829-6321 EXT 2456

PRODUCT DESCRIPTION: PP DSMJ6G2GE 025.00:1 YELLOW  
PRODUCT CODE: FP1267E015

SECTION VI - HEALTH HAZARD DATA: (CONT)

IF INGESTED, SEEK MEDICAL ASSISTANCE

EMERGENCY FIRST AID: EYE CONTACT  
IN CASE OF CONTACT, IMMEDIATELY FLUSH WITH PLENTY OF LOW-PRESSURE WATER  
FOR AT LEAST 15 MIN. REMOVE ANY CONTACT LENSES TO ENSURE THOROUGH  
FLUSHING. CALL A PHYSICIAN.

SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE:

HANDLING: SPILLAGE  
SWEEP OR CLEAN UP WITH WATER. AVOID DUST ACCUMULATION.

HANDLING: WASTE DISPOSAL  
DISPOSE IN CLOSED CONTAINERS. COMPLY WITH LOCAL, STATE, AND FEDERAL  
REGULATIONS.

HANDLING: STORAGE  
DO NOT STORE WITH OR NEAR ACIDS. AVOID DUST ACCUMULATION.

HANDLING: OTHER PRECAUTIONS  
NOT TO BE TAKEN INTERNALLY.

SECTION VIII - CONTROL MEASURES:

CONTROL: RESPIRATORY PROTECTION  
IN DUSTY ATMOSPHERES USE NIOSH/MSHA APPROVED RESPIRATORS

CONTROL: VENTILATION  
LOCAL EXHAUST VENTILATION AS NECESSARY TO CONTROL DUST.

CONTROL: GLOVES  
USE GLOVES WHEN POLYMER IS HOT TO MINIMIZE SKIN CONTACT.

CONTROL: EYE PROTECTION  
SIDESHIELD SAFETY GLASSES

CONTROL: OTHER CLOTHING  
WEAR LONG SLEEVED SHIRTS AND PANTS TO MINIMIZE SKIN CONTACT.

CONTROL: WORK/HYGIENE

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PRODUCT DESCRIPTION: PP    DSMJ6020E 025.00:1 YELLOW  
PRODUCT CODE:            PP12576015

SECTION VIII - CONTROL MEASURES: (CONT)

OBSERVE PROPER INDUSTRIAL HYGIENIC PRACTICES ACCORDING TO REGULATIONS.

SECTION IX - OTHER REGULATORY INFORMATION:

SARA - THIS PRODUCT CONTAINS THE FOLLOWING TOXIC CHEMICAL(S) SUBJECT TO THE REPORTING OF SECTION 311 OF TITLE III OF THE SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT OF 1986 AND 40 CFR PART 372: THIS INFORMATION SHOULD BE INCLUDED IN ALL MSDS'S THAT ARE COPIED AND DISTRIBUTED FOR THIS MATERIAL.

CAS #	DOES NOT EXCEED (%)	DESCRIPTION
1314-98-3	15.57	ZINC SULFIDE
ZNCMPD	25.18	ZINC COMPOUND

TSCA - ALL INGREDIENTS USED TO PRODUCE THE ABOVE FORMULATION ARE LISTED IN THE TOXIC SUBSTANCES AND CONTROL ACT INVENTORY AS REQUIRED BY FEDERAL LAW.

SECTION X - STATE REGULATORY INFORMATION:

CA PROPOSITION 65: WARNING - ANY COMPONENT OF THIS PRODUCT WHICH CONTAINS MATERIALS KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER IS SHOWN IN SECTION II OF THIS MSDS. ANY LISTED CHEMICALS NOT SHOWN IN SECTION II ARE AS FOLLOWS:

NONE

CA PROPOSITION 65: WARNING - ANY COMPONENT OF THIS PRODUCT WHICH CONTAINS MATERIALS KNOWN TO THE STATE OF CALIFORNIA TO CAUSE BIRTH DEFECTS OR OTHER REPRODUCTIVE HARM IS SHOWN IN SECTION II OF THIS MSDS. ANY LISTED CHEMICALS NOT SHOWN IN SECTION II ARE AS FOLLOWS:

NONE

CANADIAN WHMIS: ANY COMPONENT OF THIS PRODUCT WHICH IS A HAZARDOUS CHEMICAL AS GIVEN IN WHMIS IS SHOWN IN SECTION II OF THIS MSDS. ANY LISTED CHEMICALS NOT SHOWN IN SECTION II ARE AS FOLLOWS:

NONE

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SECTION X - STATE REGULATORY INFORMATION: (CONT)

FLORIDA: ANY COMPONENT OF THIS PRODUCT WHICH IS A HAZARDOUS CHEMICAL CHEMICAL AS LISTED IN THE FLORIDA SUBSTANCE LIST IS SHOWN IN SECTION II OF THIS MSDS. ANY LISTED CHEMICALS NOT NONE

MASSACHUSETTS: ANY COMPONENT OF THIS PRODUCT WHICH IS A HAZARDOUS CHEMICAL CHEMICAL AS LISTED IN THE MASSACHUSETTS SUBSTANCE LIST IS SHOWN IN SECTION II OF THIS MSDS. ANY LISTED CHEMICALS NOT SHOWN IN SECTION II ARE AS FOLLOWS:

NONE

NEW JERSEY: NON-HAZARDOUS INGREDIENTS ARE BEING WITH HELD AS TRADE SECRET INFORMATION. ANY COMPONENT OF THIS PRODUCT WHICH IS A HAZARDOUS CHEMICAL AS LISTED ON THE NEW JERSEY HAZARDOUS LIST IS GIVEN IN SECTION II OF THIS MSDS. ANY LISTED CHEMICALS NOT SHOWN IN SECTION II ARE AS FOLLOWS:

NONE

PENNSYLVANIA: NON-HAZARDOUS INGREDIENTS ARE BEING WITH HELD AS TRADE SECRET INFORMATION. ANY COMPONENT OF THIS PRODUCT WHICH IS A HAZARDOUS CHEMICAL AS LISTED ON THE PENNSYLVANIA HAZARDOUS LIST IS GIVEN IN SECTION II OF THIS MSDS. ANY LISTED CHEMICALS NOT SHOWN IN SECTION II ARE AS FOLLOWS:

NONE

RHODE ISLAND: ANY COMPONENT OF THIS PRODUCT WHICH IS A HAZARDOUS CHEMICAL CHEMICAL AS LISTED IN THE RHODE ISLAND SUBSTANCE LIST IS SHOWN IN SECTION II OF THIS MSDS. ANY LISTED CHEMICALS NOT SHOWN IN SECTION II ARE AS FOLLOWS:  
NONE

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