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EMERGENCY TELEPHONE: 508-829-6321 EXT 2456

PRODUCT DESCRIPTION: PP DSMJ6020E 025.00:1 BLUE  
PRODUCT CODE: PP53676039

WEST COAST POLYMERS  
4281 KATELLA AVE SUITE 12  
LOS ALAMITOS, CA 907203566

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SECTION I - PRODUCT INFORMATION:  
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PRODUCT DESCRIPTION:

PP DSMJ6020E 025.00:1 BLUE

PRODUCT CODE:

PP53676039

VERSION NUMBER:

1 REVISION DATE: 3/31/00

CHEMICAL NAME/FAMILY:

POLYPROPYLENE + COLORANT

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SECTION II - HAZARDOUS INGREDIENTS/IDENTITY INFORMATION:  
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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	DOES NOT EXCEED (%)
		PEL MG/M3	TLV MG/M3		
147-14-8	COPPER PHTHALOCYANINE	-	-	-	2.49
7440-50-8	COPPER (DUST)	1.0	1.0	0.1	.03
110-30-5	ETHYLENE BISSTEARAMIDE	N.E.	N.E.	-	4.00
1314-98-3	ZINC SULFIDE (DUST)	15.0	15.0	-	8.97
7727-43-7	BARIUM SULFATE (DUST)	5.0	10.0	-	.18

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SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS:  
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BOILING POINT: N/A  
SPECIFIC GRAVITY: 0.88-0.92  
VAPOR PRESSURE: N/A  
MELTING POINT: >160C (320F)  
VAPOR DENSITY: N/A  
EVAPORATION RATE: N/A  
SOLUBILITY IN WATER: NEGLIGIBLE  
APPEARANCE AND ODOR: COLORED PLASTIC PELLET - NO SIGNIFICANT ODOR

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SECTION IV - FIRE AND EXPLOSION HAZARD DATA:  
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FLASH POINT (METHOD USED):

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SECTION IV - FIRE AND EXPLOSION HAZARD DATA: (CONT)  
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THERE IS A COMPONENT IN THIS PRODUCT WITH A FLASH POINT OF 329 C.  
THE METHOD USED TO DETERMINE THIS IS: (SETCHKIN)  
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:

WATER SPRAY, FOAM, CARBON DIOXIDE, OR DRY CHEMICAL

SPECIAL FIRE FIGHTING PROCEDURES:

FIREFIGHTERS SHOULD WEAR FULL PROTECTIVE CLOTHING AND NIOSH-APPROVED SELF-  
CONTAINED BREATHING APPARATUS WITH FULL FACEPIECE OPERATED IN THE PRESSURE  
DEMAND OR OTHER POSITIVE PRESSURE MODE. USE WATER SPRAY TO COOL EXPOSED  
CONTAINERS. AVOID USE OF DIRECT FULL PRESSURE STREAM OF WATER AS MOLTEN  
WAX MAY BE SPREAD TO IGNITION SOURCES OR CARRY FIRE TO OTHER FLAMMABLE  
MATERIALS. USE A WATER FOG OR FOAM TO CONTROL FIRE.

UNUSUAL FIRE AND EXPLOSION HAZARDS:

ELECTRICAL GROUNDING OF EQUIPMENT IS REQUIRED WHEN HANDLING POWDER TO  
PREVENT POSSIBLE DUST EXPLOSION. EMITS TOXIC FUMES UNDER FIRE CONDITIONS.

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

STABILITY (CONDITIONS TO AVOID):

HEATING ABOVE 340 C

INCOMPATIBILITY (MATERIALS TO AVOID):

WHEN PROCESSING, AVOID CONTAMINATION WITH OTHER POLYMERS.

HAZARDOUS DECOMPOSITION OR BYPRODUCTS:

CONTACT WITH ACIDS LIBERATES H<sub>2</sub>S, A HIGHLY FLAMMABLE, TOXIC GAS.  
AT TEMPERATURES ABOVE 400 C IN THE PRESENCE OF AIR AN  
EXOTHERMIC REACTION CAN OCCUR WITH AN EVOLUTION OF SULPHUR DIOXIDE.

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

HAZARDOUS POLYMERIZATION (CONDITIONS TO AVOID):

AVOID CONTACT WITH STRONG CHEMICAL OXIDIZING AGENTS.

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SECTION V - REACTIVITY DATA: (CONT)

SECTION VI - HEALTH HAZARD DATA:

HEALTH HAZARDS (ACUTE AND CHRONIC):

HEALTH HAZARD: INHALATION  
DUST FROM PRODUCT MAY CAUSE IRRITATION TO RESPIRATORY SYSTEM.

HEALTH HAZARD: SKIN  
INJURY TO THE SKIN OR MUCOUS MEMBRANES CAN OCCUR BY DIRECT MECHANICAL ACTION OR BY RIGOROUS SKIN CLEANING NECESSARY FOR REMOVAL OF DUST

HEALTH HAZARD: INGESTION  
INGESTION MAY RESULT IN GASTRIC DISTURBANCES

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.

COPPER: IRRITATION TO RESPIRATORY SYSTEM IF INHALED, GASTRIC DISTURBANCES IF INGESTED.

ETHYLENE BISSTEARAMIDE: MAY CAUSE IRRITATION OF EYES AND RESPIRATORY TRACT. SKIN CONTACT WITH HOT OR MOLTEN MATERIAL MAY CAUSE THERMAL BURNS.

ZINC SULFIDE: NONE KNOWN

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE:

\* THE FOLLOWING INFORMATION PROVIDED ON THE BELOW HAZARDOUS INGREDIENT(S)

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SECTION VI - HEALTH HAZARD DATA: (CONT)  
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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.

COPPER: RESPIRATORY CONDITIONS.

ETHYLENE BISSTEARAMIDE: NONE KNOWN

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

IF CONSCIOUS, GIVE WATER AND THEN INDUCE VOMITING. NEVER GIVE FLUIDS OR  
INDUCE VOMITING IF THE VICTIM IS UNCONSCIOUS OR HAVING CONVULSIONS. GET  
IMMEDIATE MEDICAL ATTENTION.

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 THROUGH  
FLUSHING. CALL A PHYSICIAN.

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SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE:  
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HANDLING: SPILLAGE

NO SPECIAL PRECAUTIONS ARE NECESSARY UNLESS CONTACT WITH ACID OR FIRE MAY  
OCCUR, IN WHICH CASE SUITABLE BREATHING APPARATUS SHOULD BE WORN. SWEEP UP  
SPILLS. AVOID CONTACT WITH ACIDS.

HANDLING: WASTE DISPOSAL

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## SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE: (CONT)

DISPOSE IN CLOSED CONTAINERS. COMPLY WITH LOCAL, STATE, AND FEDERAL REGULATIONS.

## HANDLING: STORAGE

STORE BELOW 100 F TO AVOID MELTING.

## HANDLING: OTHER PRECAUTIONS

PREVENT SKIN AND EYE CONTACT. PROVIDE ADEQUATE VENTILATION. MAINTAIN GOOD HOUSEKEEPING TO PREVENT DUST ACCUMULATION. EMPLOY GROUNDING, VENTING AND EXPLOSION RELIEF PROVISIONS. SECONDARY OPERATIONS SUCH AS GRINDING, SANDING OR SAWING MAY PRODUCE A DUST EXPLOSION HAZARD.

## SECTION VIII - CONTROL MEASURES:

## CONTROL: RESPIRATORY PROTECTION

IN DUSTY ATMOSPHERES USE NIOSH/MSHA APPROVED RESPIRATORS

## CONTROL: VENTILATION

PROVIDE ADEQUATE VENTILATION. EXTRUDER SHOULD BE PROPERLY VENTED.

## CONTROL: GLOVES

IMPERVIOUS GLOVES

## CONTROL: EYE PROTECTION

SIDESHIELD SAFETY GLASSES

## CONTROL: OTHER CLOTHING

IMPERVIOUS CLOTHING SHOULD BE WORN WHEN GROSS CONTACT IS LIKELY, SUCH AS WHEN CLEANING UP SPILLS OF LARGE AMOUNTS.

## CONTROL: WORK/HYGIENE

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 313 OF TITLE III OF THE SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT OF 1986 AND 40 CFR PART 372:  
DOES NOT

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SECTION IX - OTHER REGULATORY INFORMATION: (CONT)  
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CAS #	EXCEED (%)	DESCRIPTION
1314-98-3	6.01	ZINC SULFIDE
ZNCMPD	8.97	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.

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SECTION X - STATE REGULATORY INFORMATION:  
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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

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:

C.I. PIGMENT BLUE 15 CAS #147-14-8

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SECTION X - STATE REGULATORY INFORMATION: (CONT)  
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C.I. PIGMENT GREEN 7 CAS #1328-53-6

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:

C.I. PIGMENT BLUE 15 (CAS #147-14-8)  
C.I. PIGMENT GREEN 7 (CAS #1328-53-6)

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:

C.I. PIGMENT BLUE 15 (CAS# 147-14-8)  
C.I. PIGMENT GREEN 7 (CAS#1328-53-6)

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:

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