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

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MILLINGTON-PERFORMANCE PLASTIC
3011 MILLINGTON ROAD
MILLINGTON MD 21651
PHONE: 410 928-3083

EMERGENCY TELEPHONE: 1-800-437-8369 EXT 2456

PRODUCT DESCRIPTION: 6602-L BK-02 6/6 NYLON UNREINFORCED
PRODUCT CODE: 801071

CALSAK CORPORATION
200 W. ARTESIA BLVD.
COMPTON, CA 902200000

***** MATERIAL SAFETY DATA SHEETS *****

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THE ATTACHED MATERIAL SAFETY DATA SHEET (MSDS) IS AN IMPORTANT DOCUMENT.
THE OSHA HAZARDOUS COMMUNICATION STANDARD REQUIRES US TO FORWARD A MSDS
PRIOR TO OR ACCOMPANYING AN INITIAL SHIPMENT OF A PRODUCT AND THE
"STANDARD" REQUIRES YOUR COMPANY TO KEEP THE MSDS ON FILE.

*

IF YOU ARE NOT RESPONSIBLE FOR HEALTH AND SAFETY IN YOUR COMPANY PLEASE
INSURE THAT YOUR HEALTH AND SAFETY MANAGER RECEIVES THIS DOCUMENT.

*

THANK YOU.

HAZARDOUS MATERIAL IDENTIFICATION SYSTEM (HMIS)

HEALTH ----->1

FLAMMABILITY ----->1

REACTIVITY ----->0

PERSONAL PROTECTION -->B

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SECTION I - PRODUCT INFORMATION:

PRODUCT DESCRIPTION: 6602-L BK-02 6/6 NYLON UNREINFORCED
PRODUCT CODE: 801071 VERSION NUMBER: 1 REVISION DATE: 4/15/04
CHEMICAL NAME/FAMILY: THERMOPLASTICS RESIN(S) + ADDITIVE

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	DOES NOT
		PEL MG/M3	TLV MG/M3		
1333-86-4	CARBON BLACK	3.5	3.5	-	.50

SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS:

BOILING POINT: N/A
SPECIFIC GRAVITY: 1.22
VAPOR PRESSURE: N/A
MELTING POINT: N/A
VAPOR DENSITY: N/A
EVAPORATION RATE: N/A
SOLUBILITY IN WATER: INSOLUBLE
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 400 C.
THE METHOD USED TO DETERMINE THIS IS: D1929
ALL OTHER COMPONENTS USED IN THIS PRODUCT EITHER HAVE A HIGHER FLASH
POINT OR ARE NOT COMBUSTIBLE AND DO NOT HAVE A FLASH POINT.

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SECTION IV - FIRE AND EXPLOSION HAZARD DATA: (CONT)

EXTINGUISHING MEDIA:

WATER SPRAY, FOAM, CARBON DIOXIDE, OR DRY CHEMICAL

SPECIAL FIRE FIGHTING PROCEDURES:

BURNING WILL PRODUCE TOXIC FUMES. WEAR SELF-CONTAINED BREATHING
APPARATUS AND FULL TURNOUT GEAR TO FIGHT FIRES.

UNUSUAL FIRE AND EXPLOSION HAZARDS:

LARGE MOLTEN MASSES MAY IGNITE SPONTANEOUSLY IN AIR. WATER QUENCHING OF
SUCH MASSES IS GOOD PRACTICE. HAZARDOUS GASES/VAPORS PRODUCED IN FIRE ARE:
AMMONIA AND CARBON MONOXIDE; SMALL AMOUNT OF HYDROGEN CYANIDE, ALDEHYDES.

SECTION V - REACTIVITY DATA:

STABILITY: STABLE -> X UNSTABLE ->

STABILITY (CONDITIONS TO AVOID):

HEATING ABOVE 340 C

INCOMPATIBILITY (MATERIALS TO AVOID):

AVOID CONTACT WITH STRONG ALKALI, AMINES.

HAZARDOUS DECOMPOSITION OR BYPRODUCTS:

BURNING WILL PRODUCE TOXIC FUMES.

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

HAZARDOUS POLYMERIZATION (CONDITIONS TO AVOID):

AVOID CONTACT WITH STRONG CHEMICAL OXIDIZING AGENTS.

SECTION VI - HEALTH HAZARD DATA:

HEALTH HAZARDS (ACUTE AND CHRONIC):

HEALTH HAZARD: INHALATION

SHOULD BE AVOIDED BY WEARING AN APPROVED DUST MASK. INHALATION OF ANY
NUISANCE DUST MAY CAUSE RESPIRATORY IRRITATION.

HEALTH HAZARD: SKIN

SKIN CONTACT WITH THE PELLETS AS RECEIVED DOES NOT PRESENT ANY KNOWN HEALTH

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SECTION VI - HEALTH HAZARD DATA: (CONT)

HAZARD. HOT MOLTEN POLYMER WILL CAUSE SEVERE THERMAL BURNS.

HEALTH HAZARD: INGESTION
NOT A PROBABLE ROUTE OF EXPOSURE.

HEALTH HAZARD: EYE CONTACT
MAY CAUSE MODERATE IRRITATION

IS ANY CHEMICAL IN THIS PRODUCT AT A CONCENTRATION OF 0.1 % OR MORE
CLASSIFIED AS A CARCINOGEN BY IARC, NTP, OR OSHA? YES

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.

CARBON BLACK: POSSIBLE HUMAN CARCINOGEN BY IARC. WHEN INCORPORATED IN A
PLASTIC MATRIX, RISK OF EXPOSURE IS GREATLY REDUCED. KEEP DUST EXPOSURES
BELOW TLV.

TITANIUM DIOXIDE: NOT A SIGNIFICANT SKIN IRRITANT. MILD AND TEMPORARY
UPPER AND LOWER RESPIRATORY IRRITATION WITH COUGH AND SHORTNESS OF BREATH.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE:

* THE FOLLOWING INFORMATION PROVIDED ON THE BELOW HAZARDOUS INGREDIENT(S)
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INGREDIENT(S) PROVIDED TO YOU IS ENCAPSULATED IN PLASTIC, AND THEREFORE,
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WE THEREFORE CONSIDER THE LEVEL OF HAZARD TO BE NEGLIGIBLE.

CARBON BLACK: NONE KNOWN

EMERGENCY FIRST AID: INHALATION
REMOVE TO CLEAN, FRESH AIR AND TREAT SYMPTOMATICALLY.

EMERGENCY FIRST AID: SKIN

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SECTION VI - HEALTH HAZARD DATA: (CONT)

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 INGESTED, SEEK MEDICAL ASSISTANCE

EMERGENCY FIRST AID: EYE CONTACT
IF CONTACTED BY MOLTEN POLYMER, IMMEDIATELY FLUSH EYES WITH PLENTY OF COOL WATER FOR AT LEAST 15 MINUTES. DO NOT PERMIT VICTIM TO RUB EYES. GET MEDICAL ATTENTION IMMEDIATELY.

SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE:

HANDLING: SPILLAGE

STOP SOURCE OF SPILL. IF MATERIAL ENTERS A SEWER OR WATERWAY, NOTIFY RESPONSIBLE AUTHORITIES OF POSSIBLY TOXIC PLASTIC PELLETS.

HANDLING: WASTE DISPOSAL

OBEY APPLICABLE FEDERAL, STATE AND LOCAL LAWS. DO NOT CONTAMINATE ANY LAKES, STREAMS, PONDS OR UNDERGROUND WATER SUPPLY.

HANDLING: STORAGE

CONCENTRATED DUST MAY PRESENT EXPLOSION HAZARD. PREVENT ACCUMULATION OF DUST ON FLOOR, WALLS AND EQUIPMENT. USE WITH ADEQUATE VENTILATION. AVOID CONTACT WITH EYES AND SKIN. TEMPERATURES NOT TO EXCEED 60 C.

HANDLING: OTHER PRECAUTIONS

IN ACCORDANCE WITH GOOD MANUFACTURING PRACTICES, GOOD GENERAL VENTILATION OF THE POLYMER PROCESSING AREA IS RECOMMENDED.

SECTION VIII - CONTROL MEASURES:

CONTROL: RESPIRATORY PROTECTION

NIOSH/MSHA APPROVED ORGANIC VAPOR CARTRIDGE RESPIRATOR MAY BE NEEDED WHEN HANDLING MOLTEN MATERIAL.

CONTROL: VENTILATION

PROVIDE ADEQUATE VENTILATION. EXTRUDER SHOULD BE PROPERLY VENTED.

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SECTION VIII - CONTROL MEASURES: (CONT)

CONTROL: GLOVES

USE GLOVES WHEN POLYMER IS HOT TO MINIMIZE SKIN CONTACT.

CONTROL: EYE PROTECTION
GOGGLES

CONTROL: OTHER CLOTHING

IF THERE IS POTENTIAL CONTACT WITH HOT/MOLTEN MATERIAL, WEAR HEAT
RESISTANT CLOTHING AND FOOTWEAR.

CONTROL: WORK/HYGIENE

WASH THOROUGHLY AFTER HANDLING OR EXPOSURE.

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:
THIS INFORMATION SHOULD BE INCLUDED IN ALL MSDS'S THAT ARE COPIED
AND DISTRIBUTED FOR THIS MATERIAL.

CAS #	DOES NOT EXCEED(%)	DESCRIPTION
557-05-1	.08	PROPRIETARY PROCESSING AID
ZNCPD	.10	ZINC COMPOUND
7440-66-6	.10	ZINC

TSCA - ALL INGREDIENTS USED TO PRODUCE THE ABOVE FORMULATION ARE IN
COMPLIANCE WITH 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

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SECTION X - STATE REGULATORY INFORMATION: (CONT)

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:

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:

CARBON BLACK

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:

CARBON BLACK

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
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TO COMPLY WITH ALL APPLICABLE LAWS AND REGULATIONS.