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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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PRODUCT DESCRIPTION: R66G13-L NATURAL  
PRODUCT CODE: 801056

\*\*\*\*\* MATERIAL SAFETY DATA SHEET \*\*\*\*\*

\*  
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:  
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PRODUCT DESCRIPTION: R66G13-L NATURAL  
PRODUCT CODE: 801056                      VERSION NUMBER: 1    DATE: 10/03/13  
CHEMICAL NAME/FAMILY: THERMOPLASTICS RESIN(S) + ADDITIVE

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SECTION II - HAZARDOUS INGREDIENTS/IDENTITY INFORMATION:  
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THIS PRODUCT CONTAINS, AS A COMPONENT, THE SUBSTANCE(S) LISTED BELOW  
WHICH IS IDENTIFIED AS A HAZARDOUS CHEMICAL UNDER THE CRITERIA OF THE  
OSHA HAZARD COMMUNICATION STANDARD 29CFR1910.1200  
OSHA HAZARD COMMUNICATION STANDARD 29CFR 1910.1200.

CAS NUMBER	DESCRIPTION	OSHA	ACGIH	OTHER LIMITS	DOES NOT EXCEED(%)
		PEL MG/M3	TLV MG/M3		
ZNCMPD	ZINC COMPOUND	-	5.0	-	.10
7440-66-6	ZINC	-	5.0	-	.01
65997-17-3	FIBER GLASS (DUST)	15.0	5.0	-	13.00

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SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS:  
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BOILING POINT: N/A  
SPECIFIC GRAVITY: 1.05-1.56 DEPENDS ON GRADE  
VAPOR PRESSURE: N/A  
MELTING POINT: Non Determined  
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:  
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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: ASTM 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)  
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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

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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:

CAPROLACTAM, CYCLOPENTANONE, CARBON MONOXIDE

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

HAZARDOUS POLYMERIZATION (CONDITIONS TO AVOID):

N/A

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SECTION VI - HEALTH HAZARD DATA:  
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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

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SECTION VI - HEALTH HAZARD DATA: (CONT)  
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THIS PRODUCT CAN CAUSE SKIN IRRITATION AND ALLERGIC SKIN REACTIONS,  
FOLLOWING REPETITIVE EXPOSURES. THESE EFFECTS MAY BE SEEN AS REDNESS AND  
ITCHING OF THE SKIN.

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 IS PROVIDED ON THE BELOW HAZARDOUS  
INGREDIENT(S) PER OSHA HAZARD COMMUNICATION STANDARD 29CFR 1910.1200.

ZINC AND ZINC COMPOUNDS: MAY CAUSE EYE, SKIN AND RESPIRATORY TRACT  
IRRITATION.

FIBERGLASS: RASH, ITCHING, CONJUNCTIVITIS, COUGHING, SNEEZING. MECHANICAL  
SKIN, EYE, NOSE & THROAT IRRITANT. TYPICALLY SKIN IRRITATION EXPERIENCED  
BY MOST PERSONS NEWLY EXPOSED TO FIBER GLASS.

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 AND ZINC COMPOUNDS: NONE NOTED

FIBER GLASS: NONE KNOWN

EMERGENCY FIRST AID: INHALATION

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SECTION VI - HEALTH HAZARD DATA: (CONT)  
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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 INGESTED, SEEK MEDICAL ASSISTANCE

EMERGENCY FIRST AID: EYE CONTACT

FLUSH EYES THOROUGHLY WITH LARGE AMOUNTS OF WATER FOR AT LEAST FIFTEEN MINUTES. GET MEDICAL ATTENTION.

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

HANDLING: SPILLAGE

SWEEP UP AND REMOVE TO DISPOSAL CONTAINER EXERCISING PRECAUTIONS NOT TO CREATE DUST CONDITION.

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.

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SECTION VIII - CONTROL MEASURES:  
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CONTROL: RESPIRATORY PROTECTION

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SECTION VIII - CONTROL MEASURES: (CONT)  
-----

IN DUSTY ATMOSPHERES USE NIOSH/MSHA APPROVED RESPIRATORS

CONTROL: VENTILATION

PROVIDE LOCAL EXHAUST AND GENERAL VENTILATION SYSTEMS TO MAINTAIN AIRBORNE CONCENTRATIONS BELOW OSHA, ACGIH EXPOSURE LIMITS. LOCAL EXHAUST VENTILATION IS PREFERRED BECAUSE IT PREVENTS CONTAMINANT DISPERSION INTO WORK AREAS BY CONTROLLING IT AT THE SOURCE. VENTILATION MUST BE SUFFICIENT TO EFFECTIVELY REMOVE AND PREVENT BUILD-UP OF AIRBORNE DUSTS.

CONTROL: GLOVES

USE GLOVES WHEN POLYMER IS HOT TO MINIMIZE SKIN CONTACT.

CONTROL: EYE PROTECTION

GOGGLES

CONTROL: OTHER CLOTHING

WEAR LONG SLEEVED SHIRTS AND PANTS TO MINIMIZE SKIN CONTACT.

CONTROL: WORK/HYGIENE

DO NOT EAT, DRINK, OR SMOKE IN WORK AREA.

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SECTION IX - OTHER REGULATORY INFORMATION:  
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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
ZNCMPD	.10	ZINC COMPOUND
7440-66-6	.01	ZINC (AS ZINC METAL)

REACH REGULATION - THE SVHC REPORTED IN THE PROPOSAL LIST FOR INCLUSION IN ANNEX XIV (ART 59.4) AND ACCORDING TO OUR KNOWLEDGE AND THE REACH REGULATION ITSELF. DETAILS ABOUT SVHC CONTAINED IN OUR MB ARE HEREUNDER REPORTED AS OF FEBRUARY 2010.

CAS #	DOES NOT EXCEED(%)	DESCRIPTION
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SECTION IX - OTHER REGULATORY INFORMATION: (CONT)

NONE

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.  
THIS MSDS ADHERES TO THE REGULATORY REQUIREMENTS OF THE USA AND MAY NOT MEET THE REGULATORY REQUIREMENTS IN OTHER COUNTRIES.

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 ARE LISTED BELOW:  
PLEASE NOTE IT IS THE RESPONSIBILITY OF THE END USER TO DETERMINE IF ITS FINISHED PRODUCTS REQUIRE LABELING UNDER CALIFORNIA PROPOSITION 65.  
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 ARE LISTED BELOW:  
PLEASE NOTE IT IS THE RESPONSIBILITY OF THE END USER TO DETERMINE IF ITS FINISHED PRODUCTS REQUIRE LABELING UNDER CALIFORNIA PROPOSITION 65.  
NONE

CANADIAN WHMIS: ANY COMPONENT OF THIS PRODUCT WHICH IS A HAZARDOUS CHEMICAL AS GIVEN IN WHMIS IS SHOWN BELOW:  
NONE

FLORIDA: NON-HAZARDOUS INGREDIENTS ARE BEING WITHHELD AS TRADE SECRET INFORMATION. ANY COMPONENT OF THIS PRODUCT WHICH IS A HAZARDOUS CHEMICAL AS LISTED ON THE FLORIDA HAZARDOUS LIST IS GIVEN IN SECTION II OF THIS MSDS. ANY LISTED CHEMICALS NOT SHOWN IN SECTION II ARE AS FOLLOWS:  
NONE

MASSACHUSETTS: NON-HAZARDOUS INGREDIENTS ARE BEING WITHHELD AS TRADE SECRET INFORMATION. ANY COMPONENT OF THIS PRODUCT WHICH IS A HAZARDOUS CHEMICAL AS LISTED ON THE MASSACHUSETTS HAZARDOUS

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SECTION X - STATE REGULATORY INFORMATION: (CONT)  
-----

LIST IS GIVEN 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 WITHHELD 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 WITHHELD 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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MATERIAL OR FOR THE RESULTS OBTAINED. IT IS THE RESPONSIBILITY OF THE USER  
TO COMPLY WITH ALL APPLICABLE LAWS AND REGULATIONS.