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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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EMERGENCY TELEPHONE: 269-753-8434

CLARIANT WEBSITE: HTTP:\\WWW.CLARIANTMASTERBATCH.COM

PRODUCT DESCRIPTION: 60G13-L NATURAL  
PRODUCT CODE: 801209

\*\*\*\*\* 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:

60G13-L NATURAL

PRODUCT CODE:

801209

VERSION NUMBER:

1 DATE: 6/11/13

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

CAS NUMBER	DESCRIPTION	OSHA PEL MG/M3	ACGIH TLV MG/M3	OTHER LIMITS	DOES NOT EXCEED (%)
TRADESECRET	HINDERED AMINE (DUST)	5.0	3.0	15.0	.30
65997-17-3	FIBER GLASS (DUST)	15.0	5.0	-	12.68

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SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS:  
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BOILING POINT: NA  
SPECIFIC GRAVITY: 1.13  
VAPOR PRESSURE: NA  
MELTING POINT: Non Determined  
VAPOR DENSITY: NA  
EVAPORATION RATE: NA  
SOLUBILITY IN WATER: INSOLUBLE  
APPEARANCE AND ODOR: COLORED PLASTIC PELLETT - NO SIGNIFICANT ODOR

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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 350 C.  
THE METHOD USED TO DETERMINE THIS IS: NA  
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, STREAM OR FOG), FOAM, DRY CHEMICAL OR CARBON DIOXIDE (CO2).

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

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:

COMPLETE COMBUSTION IS EXPECTED TO PRODUCE CARBON, OXIDES OF CARBON AND NITROGEN, PLUS TRACE AMOUNTS OF ELEMENTAL CHEMICALS.

SECTION V - REACTIVITY DATA:

STABILITY: STABLE -> X UNSTABLE ->

STABILITY (CONDITIONS TO AVOID):

AVOID EXPOSURE TO HEAT, SPARK, OR OPEN FLAME.

INCOMPATIBILITY (MATERIALS TO AVOID):

AVOID CONTACT WITH STRONG ALKALI, AMINES.

HAZARDOUS DECOMPOSITION OR BYPRODUCTS:

THERMAL DECOMPOSITION YIELDS A LARGE VARIETY OF ORGANIC AND INORGANIC PRODUCTS, DEPENDING ON PRODUCT GRADE, TEMPERATURE AND OTHER IMMEDIATE ENVIRONMENTAL FACTORS.

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

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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  
INGESTION MAY RESULT IN GASTRIC DISTURBANCES

HEALTH HAZARD: EYE CONTACT  
ITCHING, IRRITATION AND REDNESS AFTER CONTACT WITH THE EYES.

-----  
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.

TRADE SECRET: CAUTION! AIRBORNE DUST MAY BE IRRITATING TO EYES, NOSE,  
THROAT AND SKIN. IF A  
DUST CLOUD IS GENERATED DURING USAGE, ORGANIC  
POWDERS HAVE THE  
POTENTIAL TO BE EXPLOSIVE WITH STATIC SPARK OR FLAME INITIATION.  
ROUTES OF ENTRY: INHALATION, SKIN, AND EYES.

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

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.

HINDERED AMINE: NONE KNOWN

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SECTION VI - HEALTH HAZARD DATA: (CONT)  
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FIBERGLASS: NONE KNOWN

EMERGENCY FIRST AID: INHALATION

REMOVE FROM AREA TO FRESH AIR. GET MEDICAL ATTENTION IF RESPIRATORY IRRITATION DEVELOPS OR IF BREATHING BECOMES DIFFICULT.

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

FOR EXCESSIVE INGESTION DRINK WATER OR MILK. CALL A PHYSICIAN

EMERGENCY FIRST AID: EYE CONTACT

IMMEDIATELY FLUSH EYES WITH RUNNING WATER FOR AT LEAST 15 MINUTES, OCCASIONALLY LIFTING THE UPPER AND LOWER EYELIDS. SEEK PROMPT MEDICAL ATTENTION IF REDNESS OR IRRITATION OCCURS.

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

VENTILATE AREA. REMOVE SOURCES OF IGNITION. SWEEP OR SHOVEL SPILLS INTO APPROPRIATE CONTAINER FOR DISPOSAL.

HANDLING: WASTE DISPOSAL

INCINERATE IN A CHEMICAL INCINERATOR EQUIPPED WITH AN AFTER BURNER AND SCRUBBER. FOLLOW ALL FEDERAL, STATE AND LOCAL REGULATIONS.

HANDLING: STORAGE

AVOID CREATING DUST. REPAIR ALL BROKEN BAGS.

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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SECTION VIII - CONTROL MEASURES:  
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CONTROL: RESPIRATORY PROTECTION

FOR FUMES, USE APPROVED RESPIRATOR FOR ORGANIC VAPORS AND ACID GASES. FOR  
FOR SECONDARY OPERATION DUST, USE APPROVED DUST RESPIRATOR.

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

IMPERVIOUS GLOVES

CONTROL: EYE PROTECTION

SIDESHIELD SAFETY GLASSES

CONTROL: OTHER CLOTHING

PROTECTIVE APRON

CONTROL: WORK/HYGIENE

OBSERVE PROPER INDUSTRIAL HYGIENIC PRACTICES ACCORDING TO REGULATIONS.

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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
NONE		

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.  
DOES NOT

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SECTION X - STATE REGULATORY INFORMATION: (CONT)  
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HAZARDOUS CHEMICAL AS LISTED ON THE MASSACHUSETTS HAZARDOUS  
LIST IS GIVEN IN SECTION II OF THIS MSDS. ANY LISTED  
CHEMICALS NOT SHOWN IN SECTION II ARE AS FOLLOWS:

CAPROLACTAM CAS# 105-60-2 >1.0%

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:

CAPROLACTAM CAS# 105-60-2 >1.0%

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:

CAPROLACTAM CAS# 105-60-2 >1.0%

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:

THIS INFORMATION IS ACCURATE AND RELIABLE TO THE BEST OF OUR KNOWLEDGE.  
IT IS FURNISHED WITHOUT WARRANTY, EXPRESSED OR IMPLIED. CLARIANT  
CORPORATION ASSUMES NO LEGAL RESPONSIBILITY FOR THE USE OF, OR RELIANCE  
UPON, THESE DATA FOR HAZARDS WHICH MIGHT BE ASSOCIATED WITH THE USE OF THIS  
MATERIAL OR FOR THE RESULTS OBTAINED. IT IS THE RESPONSIBILITY OF THE USER  
TO COMPLY WITH ALL APPLICABLE LAWS AND REGULATIONS.