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Alloys  
Attachments  
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Restorative  
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## MATERIAL SAFETY DATA SHEET

**Sterngold Part Number: 811176, 811019, 811375, 811041**

**Sterngold Description: ERA nylon red males**

**Supplier Number: AB34620177**

**Supplier Description: Ny Zytel ST801 025.00:1 Red**

**Supplier MSDS Identification: n/a**

1/24/12

Date Updated:

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\*\*\*\*\* 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:

NY ZYTEL ST801 025.00:1 RED

PRODUCT CODE:

AB34620177

VERSION NUMBER:

3

DATE: 11/09/11

CHEMICAL NAME/FAMILY:

THERMOPLASTICS RESIN(S) + COLORANT

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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(%)
68186-90-3	CHROME ANTIMONY TITANIUM	-	-	-	10.65
CRCMPD	CHROMIUM (III) COMPOUND	0.5	0.5	-	----
SBCMPD	ANTIMONY & COMPOUNDS (AS SB)	0.5	0.5	-	----

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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 PELLET - 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:

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SECTION IV - FIRE AND EXPLOSION HAZARD DATA: (CONT)  
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WATER SPRAY, FOAM, CARBON DIOXIDE, OR DRY CHEMICAL

SPECIAL FIRE FIGHTING PROCEDURES:

FIREFIGHTERS SHOULD BE EQUIPPED WITH SELF-CONTAINED BREATHING APPARATUS TO  
PROTECT AGAINST POTENTIALLY TOXIC AND IRRITATING FUMES. AVOID DUSTING.

UNUSUAL FIRE AND EXPLOSION HAZARDS:

DENSE BLACK SMOKE EMITTED WHEN BURNED WITHOUT SUFFICIENT OXYGEN. TOXIC  
FUMES ARE RELEASED IN FIRE SITUATIONS

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SECTION V - REACTIVITY DATA:  
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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 PRODUCTS MAY INCLUDE HAZARDOUS FUMES OF ANTIMONY  
OXIDE, MANGANESE, AND TITANIUM 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 VI - HEALTH HAZARD DATA:  
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HEALTH HAZARDS (ACUTE AND CHRONIC):

HEALTH HAZARD: INHALATION

DUST FROM PRODUCT MAY CAUSE IRRITATION OF THE RESPIRATORY SYSTEM, NAUSEA  
OR METALLIC TASTE IN THE MOUTH. PROLONGED EXPOSURE TO DUST MAY LEAD TO  
PULMONARY PROBLEMS.

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SECTION VI - HEALTH HAZARD DATA: (CONT)  
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HEALTH HAZARD: SKIN

REPEATED OVEREXPOSURE TO THIS COMPOUND MAY CAUSE SKIN IRRITATION.

HEALTH HAZARD: INGESTION

EXPECTED TO BE A LOW INGESTION HAZARD

HEALTH HAZARD: EYE CONTACT

CONTACT WITH EYE MAY CAUSE EYE 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.

CHROME ANTIMONY TITANIUM BUFF RUTILE: REPEATED OVEREXPOSURE MAY CAUSE EYE,  
SKIN, AND RESPIRATORY TRACT IRRITATION. SOME OF THE COMPOUNDS HAVE  
DEMONSTRATED VARIOUS TOXIC PROPERTIES. ROUTES OF ENTRY: INHALATION AND  
INGESTION.

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.

CHROME ANTIMONY TITANIUM BUFF RUTILE: RESPIRATORY AND SKIN DISORDERS.

EMERGENCY FIRST AID: INHALATION

REMOVE TO UNCONTAMINATED AREA. IF NOT BREATHING, ADMINISTER ARTIFICIAL  
RESPIRATION. IF BREATHING IS DIFFICULT, GIVE OXYGEN. SEEK MEDICAL ATTENTION

EMERGENCY FIRST AID: SKIN

REMOVE CONTAMINATED CLOTHING AND SHOES IMMEDIATELY. WASH WITH SOAP OR MILD

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SECTION VI - HEALTH HAZARD DATA: (CONT)  
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DETERGENT AND LARGE AMOUNTS OF WATER UNTIL NO EVIDENCE OF CHEMICAL REMAINS  
(AT LEAST 15 - 20 MINUTES). GET MEDICAL ATTENTION IMMEDIATELY.

EMERGENCY FIRST AID: INGESTION

IF SWALLOWED, ADMINISTER AT LEAST 3-4 GLASSES OF WATER BUT DO NOT INDUCE  
VOMITING OR GIVE WATER TO UNCONSCIOUS OR CONVULSING PERSON. SEEK MEDICAL  
ATTENTION.

EMERGENCY FIRST AID: EYE CONTACT

WASH EYES IMMEDIATELY WITH LARGE AMOUNTS OF WATER OR NORMAL SALINE,  
OCCASIONALLY LIFTING UPPER AND LOWER LIDS, UNTIL NO EVIDENCE OF CHEMICAL  
REMAINS (AT LEAST 15 - 20 MINUTES). GET MEDICAL ATTENTION IMMEDIATELY.

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

DO NOT BREATHE DUST. IN CASE OF DUST FORMATION USE DUST MASK. DO NOT ALLOW  
TO ENTER DRAINS OR WATER SOURCES. COLLECT AS MUCH AS POSSIBLE IN A CLEAN  
CONTAINER ( PREFERABLE ) REUSE OR DISPOSAL.

HANDLING: WASTE DISPOSAL

LANDFILL OR INCINERATE IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL LAWS.

HANDLING: STORAGE

AVOID BREATHING PROCESSING FUMES OR VAPORS WHICH MAY CAUSE EYE, SKIN AND  
RESPIRATORY TRACT IRRITATION

HANDLING: OTHER PRECAUTIONS

STORE MATERIAL IN A CLOSED CONTAINER. NORMAL WAREHOUSING.

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SECTION VIII - CONTROL MEASURES:  
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CONTROL: RESPIRATORY PROTECTION

UNLESS AIR MONITORING DEMONSTRATES DUSTS/MIST/VAPORS ARE BELOW THE  
RECOMMENDED EXPOSURE LEVELS, WEAR A PROPERLY FITTED RESPIRATOR (NIOSH/MSHA)  
OR DUST MASK DURING EXPOSURE.

CONTROL: VENTILATION

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SECTION VIII - CONTROL MEASURES: (CONT)  
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USE ONLY WITH ADEQUATE VENTILATION AND DUST CONTAINMENT.

CONTROL: GLOVES

IMPERVIOUS GLOVES

CONTROL: EYE PROTECTION

SIDESHIELD SAFETY GLASSES

CONTROL: OTHER CLOTHING

TO PREVENT SKIN CONTACT WEAR SKIN PROTECTION, SUCH AS IMPERVIOUS GLOVES,  
APRON, WORKPANTS, LONG SLEEVE WORKSHIRT, OR DISPOSABLE COVERALLS.

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
SBCMPD	10.65	ANTIMONY COMPOUND
CRCMPD	10.65	CHROMIUM (III) COMPOUND
7440-47-3	.53	CHROMIUM (III) AS (CR)
7440-36-0	1.28	ANTIMONY (SB) 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
NONE		

TSCA - ALL INGREDIENTS USED TO PRODUCE THE ABOVE FORMULATION ARE IN  
COMPLIANCE WITH THE TOXIC SUBSTANCES AND CONTROL ACT INVENTORY

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SECTION IX - OTHER REGULATORY INFORMATION: (CONT)

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 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.  
IMPURITIES OF HEXAVALENT CHROMIUM AND LEAD.

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:  
ANTIMONY - D1B - TOXIC MATERIAL CAUSING IMMEDIATE AND SERIOUS TOXIC EFFECTS

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 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



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SECTION X - STATE REGULATORY INFORMATION: (CONT)  
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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.