

0283890-002-US

DATE: 1/02/08
PAGE: 1

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SHIPPED FROM:

HOLDEN-CLARIANT MASTERBATCHES
85 HOLDEN INDUSTRIAL PARK
HOLDEN MA 01520
PHONE: 508-829-6321

EMERGENCY TELEPHONE: 269-753-8434

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

PRODUCT DESCRIPTION: OMNIColor CLOUD GREY
PRODUCT CODE: UN77000

FALCON PLASTICS
1313 WESTERN AVE
BROOKINGS, SD 570060000

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

* 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 ----->0
REACTIVITY ----->0
PERSONAL PROTECTION -->E

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SECTION I - PRODUCT INFORMATION:

PRODUCT DESCRIPTION:

OMNICOLOR CLOUD GREY

PRODUCT CODE:

UN77000

VERSION NUMBER:

7

REVISION DATE: 1/02/08

CHEMICAL NAME/FAMILY:

THERMOPLASTICS RESIN(S) + COLORANT

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 PEL MG/M3	ACGIH TLV MG/M3	OTHER LIMITS	DOES NOT EXCEED (%)
68186-90-3	CHROME ANTIMONY TITANIUM	-	-	-	.67
CRCMPD	CHROMIUM (III) COMPOUND	0.5	0.5	-	.67
SBCMPD	ANTIMONY & COMPOUNDS (AS SB)	0.5	0.5	-	.67
1333-86-4	CARBON BLACK	3.5	3.5	-	.02
13463-67-7	TITANIUM DIOXIDE (DUST)	10.0	10.0	-	55.93
21645-51-2	ALUMINUM HYDROXIDE (AS AL)	N.E.	10.0	-	5.14
7631-86-9	SILICON DIOXIDE, AMORPHOUS	6.0	10.0	-	6.28
110-30-5	ETHYLENE BISSTEARAMIDE	N.E.	N.E.	-	.42
8050-26-8	PROPRIETARY	N.E.	N.E.	-	23.98

SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS:

BOILING POINT: N.A.
SPECIFIC GRAVITY: 3.8 - 4.3
VAPOR PRESSURE: N.A.
MELTING POINT: N.A.
VAPOR DENSITY: N.A.
EVAPORATION RATE: N.A.
SOLUBILITY IN WATER: INSOLUBLE

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SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS: (CONT)

APPEARANCE AND ODOR: COLORED PLASTIC PELLET - 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 260 C.
THE METHOD USED TO DETERMINE THIS IS: ASTM D1929-77
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:

IT MAY NOT BE OBVIOUS THAT CARBON BLACK IS BURNING UNLESS THE MATERIAL IS
STIRRED AND SPARKS ARE APPARENT. CARBON BLACK THAT HAS BEEN ON FIRE SHOULD
BE OBSERVED CLOSELY FOR AT LEAST 48 HOURS TO ENSURE NO SMOLDERING MATERIAL
IS PRESENT.

SECTION V - REACTIVITY DATA:

STABILITY: STABLE -> X UNSTABLE ->

STABILITY (CONDITIONS TO AVOID):

TEMPERATURES ABOVE 350C/662F.

INCOMPATIBILITY (MATERIALS TO AVOID):

AVOID CONTACT WITH STRONG ALKALI, AMINES.

HAZARDOUS DECOMPOSITION OR BYPRODUCTS:

THERMAL DECOMPOSITION PRODUCTS MAY INCLUDE HAZARDOUS FUMES OF TITANIUM

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SECTION V - REACTIVITY DATA: (CONT)

OXIDE.

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

HAZARDOUS POLYMERIZATION (CONDITIONS TO AVOID):

SMOKING, OPEN FLAMES, SPARKS AND OTHER SOURCES OF IGNITION AND HEAT.

SECTION VI - HEALTH HAZARD DATA:

HEALTH HAZARDS (ACUTE AND CHRONIC):

HEALTH HAZARD: INHALATION

SHORT TERM OVEREXPOSURE BY INHALATION TO TITANIUM DIOXIDE MAY CAUSE IRRITATION OF NOSE, THROAT, AND LUNGS WITH COUGH, DIFFICULTY BREATHING OR SHORTNESS OF BREATH. STUDIES SHOWED THAT EMPLOYEES WHO HAD BEEN EXPOSED TO TITANIUM DIOXIDE WERE AT NO GREATER RISK OF DEVELOPING LUNG CANCER THAN WERE EMPLOYEES WHO HAD NOT BEEN EXPOSED TO TITANIUM DIOXIDE. INHALATION OF AMORPHOUS SILICA MAY CAUSE DRYING OF MUCOUS MEMBRANES AND IRRITATION OF NOSE, THROAT, AND LUNGS WITH NOSEBLEEDS, COUGH AND DIFFICULTY BREATHING OR SHORTNESS OF BREATH.

HEALTH HAZARD: SKIN

MAY CAUSE IRRITATION TO SKIN

HEALTH HAZARD: INGESTION

INGESTION MAY RESULT IN GASTRIC DISTURBANCES

HEALTH HAZARD: EYE CONTACT

HIGH DUST CONCENTRATIONS MAY CAUSE MECHANICAL IRRITATION TO 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:

MAGNESIUM OXIDE FUME: INHALATION HAS BEEN ASSOCIATED WITH METAL FUME FEVER.

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SECTION VI - HEALTH HAZARD DATA: (CONT)

SYMPTOMS INCLUDE METALLIC TASTE, DRYNESS, AND IRRITATION OF THE THROAT,
WEAKNESS AND FEVER.
CHROMIUM III: CONTACT MAY CAUSE DERMATITIS IN HUMANS.
ANTIMONY: MAY CAUSE INDIGESTION, LOSS OF APPETITE AND DIZZINESS. CHRONIC
INHALATION MAY CAUSE PNEUMONOCOIOSIS.

CARBON BLACK: MAY CAUSE EYE, SKIN, RESPIRATORY TRACT IRRITATION. IARC HAS
GROUPED CARBON BLACK AS 2(B) POSSIBLE CARCINOGENIC TO HUMANS.

TITANIUM DIOXIDE: INHALATION MAY INCLUDE MILD AND TEMPORARY UPPER
RESPIRATORY IRRITATION WITH COUGH AND SHORTNESS OF BREATH. PROLONGED AND
REPEATED CONTACT TO SKIN MAY CAUSE DRYING AND CRACKING IN SENSITIVE
INDIVIDUALS.

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

PROPRIETARY: MAY CAUSE EYE IRRITATION. MAY CAUSE SKIN IRRITATION.
INHALATION MAY CAUSE RESPIRATORY TRACT IRRITATION. PROLONGED CONTACT MAY
CAUSE SKIN SENSITIZATION AND CAUSES RESPIRATORY SENSITIZATION (ALLERGIC
REACTION SUCH AS ASTHMA).

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE:

CHROMIUM/ANTIMONY: NONE KNOWN

CARBON BLACK: IARC HAS GROUPED THIS PRODUCT AS 2(B) POSSIBLE CARCINOGENIC
TO HUMANS.

TITANIUM DIOXIDE: DISEASES OF THE LUNG

ETHYLENE BISSTEARAMIDE: NONE KNOWN

PROPRIETARY: SKIN ALLERGIES

EMERGENCY FIRST AID: INHALATION

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

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SECTION VI - HEALTH HAZARD DATA: (CONT)

EMERGENCY FIRST AID: SKIN

REMOVE CONTAMINATED CLOTHING AND SHOES IMMEDIATELY. WASH WITH SOAP OR MILD
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 INGESTED, SEEK MEDICAL ASSISTANCE

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.

SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE:

HANDLING: SPILLAGE

WEARING APPROPRIATE PERSONNEL PROTECTIVE EQUIPMENT, CONTAIN SPILL, COLLECT
IN A SUITABLE CONTAINER.

HANDLING: WASTE DISPOSAL

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

HANDLING: STORAGE

STORE BELOW 100 F TO AVOID MELTING.

HANDLING: OTHER PRECAUTIONS

USE UNDER WELL-VENTILATED CONDITIONS AND RECOMMEND THAT EMPLOYEES WASH
THOROUGHLY AFTER HANDLING PRODUCT.

SECTION VIII - CONTROL MEASURES:

CONTROL: RESPIRATORY PROTECTION

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

CONTROL: VENTILATION

PROVIDE LOCAL EXHAUST AND GENERAL VENTILATION SYSTEMS TO MAINTAIN AIRBORNE

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SECTION VIII - CONTROL MEASURES: (CONT)

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
GOGGLES

CONTROL: OTHER CLOTHING
EYE WASH STATION.

CONTROL: WORK/HYGIENE

DO NOT EAT, DRINK, OR SMOKE IN WORK AREAS. WASH THOROUGHLY WITH SOAP AND WATER AFTER HANDLING.

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 #	DESCRIPTION
68186-90-3	CHROME ANTIMONY TITANIUM RUT
	DOES NOT EXCEED (%)
	.67

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 ARE LISTED BELOW:

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SECTION X - STATE REGULATORY INFORMATION: (CONT)

ARSENIC LESS THAN 3 PPM
CADMIUM < 0.5 PPM
HEXAVALENT CHROMIUM 39 PPM
LEAD 17 PPM
NICKEL < 1 PPM
CARBON BLACK: AIRBORNE, UNBOUND PARTICLES OF RESPIRABLE SIZE

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:

ARSENIC
CADMIUM
MERCURY < 1 PPM
LEAD

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 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:

CHROME ANTIMONY TITANIUM BUFF RUTILE (CAS# 68186-90-3)

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SECTION X - STATE REGULATORY INFORMATION: (CONT)

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:
CHROME ANTIMONY TITANIUM BUFF RUTILE (CAS# 68186-90-3)

RHODE ISLAND: ANY COMPONENT OF THIS PRODUCT WHICH IS A HAZARDOUS 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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