

0283812-003-US

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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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 CITRUS
PRODUCT CODE: UN1690

***** 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 ----->0

REACTIVITY ----->0

PERSONAL PROTECTION -->E

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SECTION I - PRODUCT INFORMATION:

PRODUCT DESCRIPTION:

OMNIColor CITRUS

PRODUCT CODE:

UN1690

VERSION NUMBER:

6 DATE: 12/18/08

CHEMICAL NAME/FAMILY:

THERMOPLASTICS RESIN(S) + COLORANT

SECTION II - HAZARDOUS INGREDIENTS/IDENTITY INFORMATION:

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(%)
PROPRIETARY82	678290-00-2-6415-P				.05
13463-67-7	TITANIUM DIOXIDE (DUST)	10.0	10.0	-	30.83
21645-51-2	ALUMINUM HYDROXIDE (AS AL)	N.E.	10.0	-	2.83
7631-86-9	SILICON DIOXIDE, AMORPHOUS	6.0	10.0	-	3.46
8050-26-8	PROPRIETARY	N.E.	N.E.	-	24.90
14464-46-1	SILICA, CRYSTALLINE CRIST.	0.1	0.1	-	13.12
14808-60-7	SILICA, CRYSTALLINE QUARTZ	0.1	0.1	-	.94

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
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 345 C.
THE METHOD USED TO DETERMINE THIS IS: COMBUSTABLE FLASH IGNITION TEMPERATUR
ALL OTHER COMPONENTS USED IN THIS PRODUCT EITHER HAVE A HIGHER FLASH

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

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:

EQUIP FIREFIGHTERS WITH SELF-CONTAINED BREATHING APPARATUS (SCBA) AND
TURN-OUT GEAR.

UNUSUAL FIRE AND EXPLOSION HAZARDS:

HIGH CONCENTRATIONS OF DUST MAY PRESENT A DUST EXPLOSION HAZARD.

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 MIXING WITH STRONG OXIDIZING AGENTS OR ALKALI. WHEN MOLTEN, AVOID
CONTACT WITH WATER.

HAZARDOUS DECOMPOSITION OR BYPRODUCTS:

THERMAL DECOMPOSITION PRODUCTS MAY INCLUDE HAZARDOUS FUMES OF TITANIUM
OXIDE.

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

HAZARDOUS POLYMERIZATION (CONDITIONS TO AVOID):

AVOID EXCESSIVE DUST IN VICINITY OF ELECTRICAL OR OTHER SPARK GENERATING
EQUIPMENT. AVOID EXTREME HEAT.

SECTION VI - HEALTH HAZARD DATA:

HEALTH HAZARDS (ACUTE AND CHRONIC):

HEALTH HAZARD: INHALATION

SHORT TERM OVEREXPOSURE BY INHALATION TO TITANIUM DIOXIDE MAY CAUSE

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SECTION VI - HEALTH HAZARD DATA: (CONT)

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

MODERATELY TOXIC BY ORAL EXPOSURE.

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? YES

SIGNS AND SYMPTOMS OF EXPOSURE:

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

NJTSR#678290-0002-6415-P: MAY CAUSE EYE, SKIN & RESPIRATORY IRRITATION.

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.

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).

CRYSTALLINE SILICA: BEEN CLASSIFIED BY IARC AS CARCINOGENIC FOR HUMANS. INHALATION IS ALSO A KNOWN CAUSE OF SIDEROSIS, A NONCANCEROUS LUNG DISEASE

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SECTION VI - HEALTH HAZARD DATA: (CONT)

CAUSED BY EXCESSIVE EXPOSURE. IF INHALED IRRITATION AND SORENESS IN THROAT
AND NOSE. EYES MAY HAVE TEMPORARY IRRITATION OR INFLAMMATION.

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.

NJTSR#678290-0002-6415-P: NO KNOWN EFFECTS ON OTHER ILLNESSES FOR THIS
PRODUCT.

TITANIUM DIOXIDE: DISEASES OF THE LUNG

PROPRIETARY: SKIN ALLERGIES

CRYSTALLINE SILICA: UPPER RESPIRATORY AND LUNG DISEASE SUCH AS BRONCHITIS,
EMPHYSEMA AND ASTHMA.

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

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

DO NOT INDUCE VOMITING. IF CONSCIOUS, GIVE 2 GLASSES OF WATER. CALL
PHYSICIAN IMMEDIATELY.

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:

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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

AVOID GENERATING DUST. AVOID CONTACT WITH EYES, SKIN, OR CLOTHING. WASH THOROUGHLY AFTER HANDLING. STORE IN A DRY WELL VENTILATED AREA. KEEP CONTAINER TIGHTLY CLOSED.

HANDLING: OTHER PRECAUTIONS

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

SECTION VIII - CONTROL MEASURES:

CONTROL: RESPIRATORY PROTECTION

ATMOSPHERIC LEVELS SHOULD BE MAINTAINED BELOW THE EXPOSURE GUIDELINE. FOR MOST CONDITIONS, NO RESPIRATORY PROTECTION SHOULD BE NEEDED; HOWEVER, IF HANDLING AT ELEVATED TEMPERATURES WITHOUT SUFFICIENT VENTILATION, USE AN APPROVED AIR-PURIFYING RESPIRATOR.

CONTROL: VENTILATION

USE ONLY WITH ADEQUATE VENTILATION AND DUST CONTAINMENT.

CONTROL: GLOVES

BUTYL RUBBER, PVC OR NEOPRENE

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

EYE WASH STATION SHOULD BE AVAILABLE IN AREAS OF USE. WASH HANDS AND FACE

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SECTION VIII - CONTROL MEASURES: (CONT)

BEFORE EATING, DRINKING OR SMOKING.

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
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.

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:

CRYSTALLINE SILICA UP TO 75%
ETHYLBENZENE 0.005% MAXIMUM OF 100 PPM (0.01%)

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:

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

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SECTION X - STATE REGULATORY INFORMATION: (CONT)

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:

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 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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