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CLARIANT PLASTICS & COATING
CANADA, INC. MASTERBATCHES
2 LONE OAK COURT
TORONTO ONTARIO M9C 5R9
PHONE: 416-847-7000

FOR ALL EMERGENCIES 269-753-8434
PREPARED BY: PRODUCT SAFETY DEPARTMENT

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

PRODUCT DESCRIPTION: DC RVC-544 001.000% COLONIAL WHITE DC
PRODUCT CODE: 01DRV-283

***** 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:

DC RVC-544 001.000% COLONIAL WHITE DC

PRODUCT CODE:

01DRV-283

VERSION NUMBER:

1

DATE: 5/09/19

CHEMICAL NAME/FAMILY:

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
OSHA HAZARD COMMUNICATION STANDARD 29CFR 1910.1200.

CAS NUMBER	DESCRIPTION	OSHA	ACGIH	OTHER LIMITS	DOES NOT EXCEED(%)
		PEL MG/M3	TLV MG/M3		
68186-90-3	CHROME ANTIMONY TITANIUM	-	-	-	3.05
CRCMPD	CHROMIUM (III) COMPOUND	0.5	0.5	-	3.05
SBCMPD	ANTIMONY & COMPOUNDS(AS SB)	0.5	0.5	-	3.05
7440-36-0	ANTIMONY (SB) METAL	0.5	0.5	-	.31
7440-47-3	CHROMIUM AS CR	0.5	0.5	-	.12
68412-38-4	C.I. PIGMENT YELLOW 164				.31
13463-67-7	TITANIUM DIOXIDE (DUST)	10.0	10.0	-	78.65
21645-51-2	ALUMINUM HYDROXIDE (AS AL)	N.E.	10.0	-	3.03
7631-86-9	SILICON DIOXIDE, AMORPHOUS	6.0	10.0	-	4.75

SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS:

BOILING POINT: N.A.
SPECIFIC GRAVITY: 3.8 - 4.3
VAPOR PRESSURE: N.A.
MELTING POINT: Non Determined
VAPOR DENSITY: N.A.
EVAPORATION RATE: N.A.
SOLUBILITY IN WATER: INSOLUBLE
APPEARANCE AND ODOR: COLORED DRY POWDER - NO SIGNIFICANT ODOR

SECTION IV - FIRE AND EXPLOSION HAZARD DATA:

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SECTION IV - FIRE AND EXPLOSION HAZARD DATA:

FLASH POINT (METHOD USED):

THERE IS A COMPONENT IN THIS PRODUCT WITH A FLASH POINT OF 110 C.
THE METHOD USED TO DETERMINE THIS IS: SCC
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:

USE WATER FOG, FOAM OR DRY CHEMICAL

SPECIAL FIRE FIGHTING PROCEDURES:

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

UNUSUAL FIRE AND EXPLOSION HAZARDS:

ORGANIC DUSTS HAVE POTENTIAL TO BE EXPLOSIVE WITH STATIC SPARK OR FLAME.
MAINTAIN GOOD HOUSEKEEPING FOR CONTROL OF DUST.-----
SECTION V - REACTIVITY DATA:

STABILITY: STABLE -> X UNSTABLE ->

STABILITY (CONDITIONS TO AVOID):

NONE

INCOMPATIBILITY (MATERIALS TO AVOID):

AVOID CONTACT WITH STRONG ALKALI, AMINES.

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):

N/A

SECTION VI - HEALTH HAZARD DATA:

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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

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 PROVIDED ON THE BELOW HAZARDOUS INGREDIENT(S)
APPLIES TO THE INGREDIENT(S) IN THE PURE DRY FORM.

CHROME ANTIMONY TITANIUM RUTILE: MAY CAUSE EYE, SKIN AND RESPIRATORY TRACT
IRRITATION. PROLONGED INHALATION MAY CAUSE LUNG DAMAGE.

PIGMENT YELLOW 164: MAY CAUSE EYE, SKIN, AND RESPIRATORY TRACT IRRITATION.
ROUTES OF ENTRY: INGESTION, INHALATION.

AMORPHOUS SILICA: OVEREXPOSURE MAY CAUSE TISSUE RESPONSE IN THE LUNG WHICH
IN SEVERE CASES CAN RESULT IN PULMONARY FIBROSIS (PNEUMOCONIOSIS).

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SECTION VI - HEALTH HAZARD DATA: (CONT)

TITANIUM DIOXIDE: MAY CAUSE MECHANICAL EYE IRRITATION. LONG TERM EXPOSURE
TO AIRBORNE DUST MAY CAUSE LUNG DAMAGE.

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.

CHROME ANTIMONY TITANIUM RUTILE: RESPIRATORY AND SKIN DISORDERS AGGRAVATED
BY DUST.

PIGMENT YELLOW 164: SKIN AND RESPIRATORY DISORDERS.

AMOROPHOUS SILICA: NONE KNOWN
TITANIUM DIOXIDE: NONE KNOWN

EMERGENCY FIRST AID: INHALATION
REMOVE TO CLEAN, FRESH AIR AND TREAT SYMPTOMATICALLY.

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 CONSCIOUS, GIVE WATER AND THEN INDUCE VOMITING. NEVER GIVE FLUIDS OR
INDUCE VOMITING IF THE VICTIM IS UNCONSCIOUS OR HAVING CONVULSIONS. GET
IMMEDIATE 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.

SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE:

HANDLING: SPILLAGE

SPILLS SHOULD BE PLACED IN SUITABLE CONTAINERS FOR DISPOSAL IN A LICENSED

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SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE: (CONT)

FACILITY. WEAR APPROPRIATE RESPIRATORY PROTECTION AND PROTECTIVE CLOTHING
AND PROVIDE ADEQUATE VENTILATION DURING CLEAN-UP.

HANDLING: WASTE DISPOSAL

INCINERATE OR BURY IN A LICENSED FACILITY. DO NOT DISCHARGE INTO
WATERWAYS OR SEWER WITHOUT PROPER AUTHORITY.

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

IN DUSTY ATMOSPHERES USE NIOSH/MSHA APPROVED RESPIRATORS

CONTROL: VENTILATION

LOCAL EXHAUST VENTILATION AS NECESSARY TO CONTROL DUST AS APPLICABLE.

CONTROL: GLOVES

LEATHER OR OTHER NON-PERMEABLE 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.

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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
CRCMPD	3.05	CHROMIUM (III) COMPOUND
SBCMPD	3.36	ANTIMONY COMPOUND
7440-36-0	.37	ANTIMONY (SB) METAL
7440-47-3	.12	CHROMIUM (III) AS (CR)
MNCMPD	.31	MANGANESE COMPOUND
7439-96-5	.02	MANGANESE (MN)

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:

PLEASE NOTE IT IS THE RESPONSIBILITY OF THE END USER TO DETERMINE IF ITS FINISHED PRODUCTS REQUIRE LABELING UNDER CALIFORNIA PROPOSITION 65.

[HTTP://WWW.OEHHA.CA.GOV/PROP65/PROP65_LIST/NEWLIST.HTML](http://WWW.OEHHA.CA.GOV/PROP65/PROP65_LIST/NEWLIST.HTML)

LEAD
HEXAVALENT CHROMIUM

CA PROPOSITION 65: WARNING - ANY COMPONENT OF THIS PRODUCT WHICH CONTAINS MATERIALS KNOWN TO THE STATE OF CALIFORNIA TO CAUSE DEVELOPMENTAL AND REPRODUCTIVE TOXICANT 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.

[HTTP://WWW.OEHHA.CA.GOV/PROP65/PROP65_LIST/NEWLIST.HTML](http://WWW.OEHHA.CA.GOV/PROP65/PROP65_LIST/NEWLIST.HTML)

LEAD
HEXAVALENT CHROMIUM

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SECTION X - STATE REGULATORY INFORMATION: (CONT)

CANADIAN WHMIS: ANY COMPONENT OF THIS PRODUCT WHICH IS A HAZARDOUS CHEMICAL
AS GIVEN IN WHMIS IS SHOWN BELOW:
HTTP://WWW.CSST.QC.CA/EN/PREVENTION/REPTOX/PAGES/LIST-WHMIS-CAS-50-84.ASPX
NONE

FLORIDA: ANY COMPONENT OF THIS PRODUCT WHICH IS A HAZARDOUS CHEMICAL
CHEMICAL AS LISTED IN THE FLORIDA IS SHOWN BELOW:
NONE

MASSACHUSETTS: ANY COMPONENT OF THIS PRODUCT WHICH IS A HAZARDOUS CHEMICAL
CHEMICAL AS LISTED IN THE MASSACHUSETTS SUBSTANCE LIST IS
SHOWN BELOW:
NONE

NEW JERSEY: NON-HAZARDOUS INGREDIENTS ARE BEING WITH HELD 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 WITH HELD 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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