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TORONTO MASTERBATCHES (CANADA)
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 001.000% BROWN
PRODUCT CODE: OM83754516

***** 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.

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*

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 001.000% BROWN

PRODUCT CODE:

OM83754516

VERSION NUMBER:

1

DATE: 11/30/10

CHEMICAL NAME/FAMILY:

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	-	-	-	86.00
CRCMPD	CHROMIUM (III) COMPOUND	0.5	0.5	-	86.00
SBCMPD	ANTIMONY & COMPOUNDS(AS SB)	0.5	0.5	-	86.00
7440-36-0	ANTIMONY (SB) METAL	0.5	0.5	-	8.60
7440-47-3	CHROMIUM III AS CR	0.5	0.5	-	3.44
7439-96-5	MANGANESE (MN)	5.0	0.2	-	.18
7440-36-0	ANTIMONY (SB) METAL	0.5	0.5	-	.78

SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS:

BOILING POINT: N/A
SPECIFIC GRAVITY: 4.5
VAPOR PRESSURE: N/A
MELTING POINT: N/A
VAPOR DENSITY: N/A
EVAPORATION RATE: N/A
SOLUBILITY IN WATER: NEGLIGIBLE
APPEARANCE AND ODOR: COLORED PLASTIC PELLET - 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:

WATER SPRAY, FOAM, CARBON DIOXIDE, OR DRY CHEMICAL

SPECIAL FIRE FIGHTING PROCEDURES:

CLEAR AREA OF PERSONNEL. APPROACH UPWIND. WEAR SELF-CONTAINED BREATHING
APPARATUS.

UNUSUAL FIRE AND EXPLOSION HAZARDS:

SIMILAR DAY-GLO PRODUCTS HAVE BEEN IMPLICATED IN DUST EXPLOSIONS IGNITED BY
STATIC SPARKS. FUMES RELEASED ON BURNING ARE TOXIC AND DANGEROUS.

SECTION V - REACTIVITY DATA:

STABILITY: STABLE -> X UNSTABLE ->

STABILITY (CONDITIONS TO AVOID):

ELECTRICAL SPARKS AND HIGH TEMPERATURES.

INCOMPATIBILITY (MATERIALS TO AVOID):

AVOID CONTACT WITH STRONG ALKALI, AMINES.

HAZARDOUS DECOMPOSITION OR BYPRODUCTS:

CYCLOPENTANONE, CARBON MONOXIDE, ALDEHYDES, AMMONIA.

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:

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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

MAY CAUSE IRRITATION TO SKIN

HEALTH HAZARD: INGESTION

NOT A PROBABLE ROUTE OF EXPOSURE.

HEALTH HAZARD: EYE CONTACT

PIGMENT CONTACTING THE EYES MAY BE SLIGHTLY IRRITATING.

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:

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

MAGANESE ANTIMONY TITANIUM: MAY CAUSE EYE, SKIN AND RESPIRATORY TRACT
IRRITATION.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE:

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

MAGANESE ANTIMONY TITANIUM: RESPIRATORY AND SKIN DISORDERS AGGRAVATED BY
DUST.

EMERGENCY FIRST AID: INHALATION

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SECTION VI - HEALTH HAZARD DATA: (CONT)

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

EMERGENCY FIRST AID: SKIN

WASH WITH SOAP AND WATER. IF SYMPTOMS OCCUR CONSULT PHYSICIAN.

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

FLUSH EYES THOROUGHLY WITH WATER FOR AT LEAST 15 MINUTES, CONSULT PHYSICIAN
IF IRRITATION PERSISTS.

SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE:

HANDLING: SPILLAGE

SWEEP UP AND PLACE IN A SUITABLE CONTAINER FOR RECLAMATION OR DISPOSAL.

HANDLING: WASTE DISPOSAL

OBEY APPLICABLE FEDERAL, STATE AND LOCAL LAWS. DO NOT CONTAMINATE ANY
LAKES, STREAMS, PONDS OR UNDERGROUND WATER SUPPLY.

HANDLING: STORAGE

KEEP CONTAINER TIGHTLY CLOSED. STORE IN GENERAL CHEMICAL STORAGE. PROTECT
AGAINST PHYSICAL DAMAGE. HANDLE CAREFULLY. AVOID GENERATING DUST OR
VAPOR.

HANDLING: OTHER PRECAUTIONS

PREVENT SKIN AND EYE CONTACT. PROVIDE ADEQUATE VENTILATION. MAINTAIN GOOD
HOUSEKEEPING TO PREVENT DUST ACCUMULATION. EMPLOY GROUNDING, VENTING AND
EXPLOSION RELIEF PROVISIONS. SECONDARY OPERATIONS SUCH AS GRINDING,
SANDING OR SAWING MAY PRODUCE A DUST EXPLOSION HAZARD.

SECTION VIII - CONTROL MEASURES:

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SECTION VIII - CONTROL MEASURES:

CONTROL: RESPIRATORY PROTECTION

NIOSH/MSHA APPROVED DUST RESPIRATOR RECOMMENDED IF THE AIRBORNE DUST
CONCENTRATION IS NEAR OR EXCEEDS THE NUISANCE DUST EXPOSURE LIMITS. IF
VENTILATION IS NOT SUFFICIENT TO CONTROL PROCESSING GASES AND FUMES, A
NIOSH APPROVED RESPIRATOR SHOULD BE SELECTED AND WORN BASED ON THE
CONTAMINATION LEVELS FOUND IN THE WORKPLACE.

CONTROL: VENTILATION

USE ONLY WITH ADEQUATE VENTILATION AND DUST CONTAINMENT.

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.-----
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	86.00	CHROMIUM (III) COMPOUND
SBCMPD	90.60	ANTIMONY COMPOUND
7440-36-0	9.38	ANTIMONY (SB) METAL
7440-47-3	3.44	CHROMIUM (III) AS (CR)
MNCMPD	4.60	MANGANESE COMPOUND
7439-96-5	.18	MANGANESE (MN)

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SECTION IX - OTHER REGULATORY INFORMATION: (CONT)

REACH REGULATION - THE SVHC REPORTED IN THE PROPOSED 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 MASTERBATCH
DIVISION PRODUCTS 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
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:

LEAD
HEXAVALENT CHROMIUM

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:

LEAD
HEXAVALENT CHROMIUM

CANADIAN WHMIS: ANY COMPONENT OF THIS PRODUCT WHICH IS A HAZARDOUS CHEMICAL
AS GIVEN IN WHMIS IS SHOWN BELOW:

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

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SECTION X - STATE REGULATORY INFORMATION: (CONT)

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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MATERIAL OR FOR THE RESULTS OBTAINED. IT IS THE RESPONSIBILITY OF THE USER
TO COMPLY WITH ALL APPLICABLE LAWS AND REGULATIONS.