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DATE: 1/16/15  
PAGE: 1

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](http://www.clariantmasterbatch.com)

PRODUCT DESCRIPTION: MSC 008.000% WHITE DC 530 V  
PRODUCT CODE:            OM02754409

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

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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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PAGE: 2

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SECTION I - PRODUCT INFORMATION:

PRODUCT DESCRIPTION:

MSC 008.000% WHITE DC 530 V

PRODUCT CODE:

OM02754409

VERSION NUMBER:

2

DATE: 1/16/15

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(%)
100-42-5	STYRENE	100PPM	-	-	.11
8007-18-9	NICKEL ANTIMONY TITANIUM	-	-	-	.25
NICMPD	NICKEL COMPOUND (AS NI)	1.0	1.0	-	.25
SBCMPD	ANTIMONY & COMPOUNDS(AS SB)	0.5	0.5	-	.25
7440-36-0	ANTIMONY (SB) METAL	0.5	0.5	-	.03
7440-02-0	NICKEL (AS NI)	1.0	0.1	-	.01
68186-91-4	COPPER CHROMITE SPINEL	N.E.	N.E.	-	.03
13463-67-7	TITANIUM DIOXIDE (DUST)	10.0	10.0	-	40.00
1344-28-1	ALUMINUM OXIDE (DUST)	10.0	10.0	5.0	.40
1317-65-3	LIMESTONE (TOTAL DUST)	15.0	10.0	5.0	.34
14808-60-7	SILICA, CRYSTALLINE QUARTZ	0.1	0.1	-	----
36443-68-2	ANTIOXIDANT/STABILIZER	-	-	-	.25

SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS:

BOILING POINT: NA  
SPECIFIC GRAVITY: 1.05  
VAPOR PRESSURE: NA  
MELTING POINT: Non Determined  
VAPOR DENSITY: NA  
EVAPORATION RATE: NA

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SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS: (CONT)  
-----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 193 C.  
THE METHOD USED TO DETERMINE THIS IS: OPEN CUP  
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:

BURNING WILL PRODUCE TOXIC FUMES. WEAR SELF-CONTAINED BREATHING  
APPARATUS AND FULL TURNOUT GEAR TO FIGHT FIRES.

## UNUSUAL FIRE AND EXPLOSION HAZARDS:

AVOID DUST FORMATION AND CONTROL IGNITION SOURCES: EMPLOY GROUNDING,  
VENTING AND EXPLOSION RELIEF PROVISIONS. EMPTY ONLY INTO INERT OR  
NON-FLAMMABLE ATMOSPHERE.-----  
SECTION V - REACTIVITY DATA:  
-----

STABILITY: STABLE -&gt; X UNSTABLE -&gt;

## STABILITY (CONDITIONS TO AVOID):

AVOID EXPOSURE TO HEAT, SPARK, OR OPEN FLAME.

## INCOMPATIBILITY (MATERIALS TO AVOID):

ACIDS, FIRE.

## HAZARDOUS DECOMPOSITION OR BYPRODUCTS:

THERMAL DECOMPOSITION PRODUCTS MAY INCLUDE HAZARDOUS FUMES OF TITANIUM  
OXIDE.

HAZARDOUS POLYMERIZATION: WILL OCCUR -&gt; WILL NOT OCCUR -&gt; X

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SECTION V - REACTIVITY DATA: (CONT)  
-----

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

AS WITH ALL POWDERS, MAY CAUSE MILD IRRITATION TO THE EYES.

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

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

STYRENE MONOMER (CAS# 100-42-5): MAY CAUSE EYE, SKIN AND RESPIRATORY TRACT IRRITATION. INGESTION MAY CAUSE GASTRIC DISTURBANCES.

NICKEL ANTIMONY TITANIUM: IRRITATION TO THE EYES, SKIN AND RESPIRATORY TRACT.

COPPER CHROMITE: OVEREXPOSURE MAY CAUSE EYE, SKIN AND RESPIRATORY TRACT IRRITATION.

TITANIUM DIOXIDE, ALUMINUM OXIDE: IARC HAS LISTED TITANIUM DIOXIDE AS GROUP 2(B) POSSIBLE CARCINOGENIC TO HUMANS. EXPOSURE TO DUST MAY CAUSE TEMPORARY DRYING EFFECT AND /OR MILD IRRITATION OF THE NOSE, THROAT, AND LUNGS AND MAY AGGRAVATE PRE-EXISTING CONDITIONS.

CALCIUM CARBONATE: IRRITATING TO EYES, RESPIRATORY SYSTEM AND SKIN. MAY IRRITATE EYE TISSUE. MAY CAUSE IRRITATION OF THROAT, STOMACH AND GASTROINTESTINAL TRACT.

SILICA: LONG TERM EXPOSURE MAY CAUSE SILICOSIS A FORM OF PULMONARY FIBROSIS. CONSIDERED TO BE CLASSIFIED AS CARCINOGENIC BY IARC.

ANTIOXIDANT: LIVER AND THYROID DAMAGE BASED UPON THE PREVIOUSLEY CITED FEEDING STUDIES.

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.

STYRENE MONOMER (CAS# 100-42-5): NONE NOTED

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

COPPER CHROMITE: RESPIRATORY AND SKIN DISORDERS AGGRAVATED BY DUST.

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PAGE: 6

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

TITANIUM DIOXIDE, ALUMINUM OXIDE: TITANIUM DIOXIDE LISTED BY IARC AS  
GROUP 2(B) POSSIBLE CARCINOGENIC TO HUMANS. ALUMINUM OXIDE (RESPIRATORY  
DISORDERS)

CALCIUM CARBONATE: NONE KNOWN

ANTIOXIDANT: LIVER DISEASE AND JAUDICE: THYROID CONDITIONS

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

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.

-----  
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 OF IN AN APPROVED HAZARDOUS WASTE LANDFILL IN ACCORDANCE WITH  
LOCAL, STATE, AND FEDERAL REGULATIONS.

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

## HANDLING: STORAGE

STORE IN A DRY, WELL VENTILATED AREA. DO NOT STORE IN AREAS WHERE THERE IS  
A RISK OF FIRE. DO NOT MIX OR STORE WITH ACIDS. AVOID EXCESSIVE DUST  
GENERATION, USE APPROPRIATE DUST CONTROL MEASURES WHERE NECESSARY.

## HANDLING: OTHER PRECAUTIONS

DO NOT FLUSH INTO SURFACE WATER OR SANITARY SEWER SYSTEMS. IN CASE OF  
ACCIDENTAL MAJOR DISCHARGE INTO DRAINS, FLUSH WITH COPIOUS AMOUNTS OF WATER  
TO DILUTE ANY ACIDIC CONDITIONS WHICH MAY PREVAIL.

-----  
SECTION VIII - CONTROL MEASURES:  
-----

## CONTROL: RESPIRATORY PROTECTION

USE NIOSH APPROVED RESPIRATOR FOR ORGANIC VAPORS

## CONTROL: VENTILATION

PROVIDE AN ADEQUATE EXHAUST SYSTEM THAT IS FILTERED TO AVOID CONTAMINATING  
THE ENVIRONMENT AND MEETS THE TLV REQUIREMENTS IN THE WORK AREA.

## CONTROL: GLOVES

BUTYL RUBBER,PVC OR NEOPRENE

## CONTROL: EYE PROTECTION

GOGGLES

## CONTROL: OTHER CLOTHING

EYE WASH STATION.

## CONTROL: WORK/HYGIENE

OBSERVE PROPER INDUSTRIAL HYGIENIC PRACTICES ACCORDING TO REGULATIONS.

-----  
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

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PAGE: 8

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SECTION IX - OTHER REGULATORY INFORMATION: (CONT)

AND DISTRIBUTED FOR THIS MATERIAL.

CAS #	DOES NOT EXCEED(%)	DESCRIPTION
100-42-5	.11	STYRENE
SBCMPD	.25	ANTIMONY COMPOUND
NICMPD	.25	NICKEL COMPOUND (AS NI)
7440-36-0	.03	ANTIMONY (SB) METAL
7440-02-0	.01	NICKEL (AS PART OF DYE)
CRCMPD	.03	CHROMIUM (III) COMPOUND
CUCMPD	.03	COPPER COMPOUND
7440-50-8	.01	COPPER (DUST)
7440-47-3	.01	CHROMIUM (III) AS (CR)

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)

STYRENE, ACRYLONITRILE

LEAD-10PPM, MERCURY-<0.3PPM, CHROMIUM-43% , CADMIUM-<10PPM:

CRYSTALLINE SILICA CAS# 1317-65-3 0.4%

LEAD <1.0PPM

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-10PPM, MERCURY-<0.3PPM, CHROMIUM-43% , CADMIUM-<10PPM:



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SECTION X - STATE REGULATORY INFORMATION: (CONT)  
-----

LEAD

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  
CLASS D DIV. 2B

TITANIUM DIOXIDE: D2A VERY TOXIC MATERIAL CAUSING OTHER TOXIC EFFECTS  
QUARTZ - CLASS D, DIVISION 2, SUBDIVISION A

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:

OCTADECANNAMIDE, N,N'-1,2-ETHANEDDIYLBIS-    CAS# 000110-30-5  
HEXADECANNAMIDE, N,N'-1,2-ETHANEDDIYLBIS-    CAS# 005518-18-3

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  
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NONE

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UPON, THESE DATA FOR HAZARDS WHICH MIGHT BE ASSOCIATED WITH THE USE OF THIS  
MATERIAL OR FOR THE RESULTS OBTAINED. IT IS THE RESPONSIBILITY OF THE USER  
TO COMPLY WITH ALL APPLICABLE LAWS AND REGULATIONS.