









SECTION 1 – MATERIAL IDENTIFICATION		MATERIAL SAFETY DATA SHEET # 573330A-11					
MATERIAL NAME IDENTIFIER Viva Tube (All Colours) & Materials					HAZARD RATING (MAX 4) (MIN 0)		
MANUFACTURER'S NAME Viva Healthcare Packaging (Canada) Ltd.		SUPPLIER'S NAME Viva Healthcare Packaging (Canada) Ltd.		1	0		
STREET ADDRESS 1663 Neilson Road		STREET ADDRESS 1663 Neilson Road		FLAMMABILITY	REACTIVITY		
CITY Scarborough	PROVINCE Ontario	CITY Scarborough	PROVINCE Ontario	0	0		
POSTAL CODE M1X 1T1	EMERGENCY TELEPHONE NUMBER 416-321-0622	POSTAL CODE M1X 1T1	EMERGENCY TELEPHONE NUMBER 416-321-0622	HEALTH	PERSONAL PROTECTION		
CHEMICAL NAME Polymer		CHEMICAL FAMILY Polyolefin		CHEMICAL FORMULA Polymeric Resin			
MOLECULAR WEIGHT High Molecular Weight Resin		TRADE NAME AND SYNONYMS Plastic Resin		MATERIAL USE Healthcare Packaging Products			
SECTION 2 – PREPARATION INFORMATION							
PREPARED BY Peter Mladenovich, Cambridge Materials Testing Ltd.		DATE OF PREPARATION April 14, 2011		TELEPHONE NUMBER 905-812-3856			
SECTION 3 – HAZARDOUS INGREDIENTS OF MATERIAL							
HAZARDOUS INGREDIENTS	APPROXIMATE CONCENTRATION %	C.A.S. NUMBER OR U.N. NUMBERS	EXPOSURE LIMITS	LD50/LC50 (SPECIFY SPECIES & ROUTE)			
Polypropylene (Elastomeric Polyolefin) <u>Note:</u> This product has WHIMIS classification of "Not Controlled" None of the ingredients of this product are on the Health and Safety Reporting List	>95	9010-79-1	Not Available	Not Available			
WHIMIS HAZARD CLASS SYMPOLO (FOR WHIMIS LABELS)							
							
A _____	B _____	C _____	D1 _____	D2 _____	D3 _____	E _____	F _____
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SECTION 4-PHYSICAL DATA FOR MATERIAL			M.S.D.S. # 573330A-11	
PHYSICAL STATE GAS LIQUID SOLID X	ODOUR & APPEARANCE Odourless, Opaque / Clear Resin		ODOUR THRESHOLD (ppm) Not Applicable	SPECIFIC GRAVITY 0.85 – 0.95
VAPOUR PRESSURE Not Applicable	VAPOUR DENSITY (AIR*1) Not Applicable	EVAPORATION RATE Not Applicable	BOILING POINT (°C) Not Applicable	FREEZING POINT (°C) Not Applicable
SOLUBILITY IN WATER (20°C) Not Applicable	% VOLATE BY VOLUME Not Applicable	pH Not Applicable	DENSITY (g/ml) 0.85 – 0.95	COEFFICIENT OF OIL/WATER DISTRIBUTION Not Applicable

SECTION 5-FIRE AND EXPLOSION HAZARD OF MATERIAL

FLAMMABILITY IF YES, UNDER WHAT The material is not flammable, however, it is combustible.
 YES NO **X** CONDITIONS

MEANS OF EXTINGUISHION
 Extinguishing may include: water mist, foam, CO₂ and dry chemicals

SPECIAL PROCEDURES
 In case of fire where material is stored, wear full protective equipment including self contained breathing apparatus.

HAZARDOUS COMBUSTION PRODUCTS
 Carbon Dioxide, Carbon Monoxide and Aldehydes

FLASHPOINT (°c) & METHOD Not Applicable	UPPER EXPLOSION LIMIT (% BY VOLUME) Not Applicable	LOWER EXPLOSION LIMIT (% BY VOLUME) Not Applicable
AUTOIGNITION TEMPERATURE (°c) Not Available	TDG FLAMMABILITY CLASSIFICATION Not Regulated	SENSITIVITY TO STATIC DISCHARGE Not Applicable
EXPLOSIVE SENSITIVITY TO MECHANICAL IMPACT Not Applicable	RATE OF BURNING Not Applicable	EXPLOSIVE POWER Not Applicable

SECTION 6-REACTIVITY DATA FOR MATERIAL

CHEMICAL STABILITY IF YES, UNDER WHAT The material is stable at standard ambient conditions.
 YES **X** NO CONDITIONS

INCOMPATIBILITY TO IF YES, WHAT There are no known incompatible materials.
 OTHER SUBSTANCES SUBSTANCES
 YES NO **X**

REACTIVITY, UNDER WHAT CONDITIONS
 The material is not reactive.

HAZARDOUS DECOMPOSITION PRODUCTS
 Carbon Dioxide, Carbon Monoxide and Aldehydes

SECTION 7-TOXICOLOGICAL PROPERTIES OF PRODUCTS

ROUTES OF ENTRY
 SKIN CONTACT SKIN ABSORPTON EYE CONTACT INHALATION ACUTE INHALATION CHRONIC INGESTION

EFFECTS OF ACUTE EXPOSURE
 No physiological disorders will develop during continuous exposure to the product.

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SECTION 7-TOXICOLOGICAL PROPERTIES OF PRODUCT (CONTINUED)**M.S.D.S. # 573330A-11****EFFECTS OF CHRONIC EXPOSURE**

Prolonged exposure to the product is not expected to develop into any physiological disorders.

LD50 OF PRODUCT
(SPECIFY SPECIES & ROUTE)

Not Available

LC50 OF PRODUCT
(SPECIFY SPECIES & ROUTE)

Not Available

IRRITANCY OF PRODUCT

Not irritating

EXPOSURE LIMITS OF PRODUCTS

Not Available

SENSITIZATION TO PRODUCT

Non-sensitizing

SYNERGISTIC MATERIALS

None Known

PRODUCT IS

CARCINOGEN REPRODUCTIVE EFFECTOR TERATOGEN MUTAGEN **SECTION 8-PREVENTIVE MEASURES**PERSONAL PROTECTIVE EQUIPMENT TO
BE WORN

Not required

GLOVES

(TYPE) Not required

EYEWEAR

(TYPE) Not required

FOOTWEAR

(TYPE) Not required

RESPIRATOR

(TYPE) Not required

CLOTHING

Not required

OTHER

Keep work area clean

ENGINEERING CONTROLS (VENTILATOR TYPE, ENCLOSED PROCESS, ETC. SPECIFY)

Local ventilation is recommended where the product is handled.

LEAK & SPILL PROCEDURES

In case of spill, gather the material for reuse or recycling.

WASTE DISPOSAL

The waste should be disposed of in accordance with local by-laws and regulations.

HANDLING PROCEDURES & EQUIPMENT

No special procedure is required to handle the product.

STORAGE REQUIREMENTS

Store material in a clean place, away from heat or open flame

SPECIAL SHIPPING INFORMATION/TDG CLASSIFICATION

The product is not regulated

SECTION 9-FIRST AID MEASURES

SKIN

Skin irritation is not likely to occur.

EYE

Eye irritation is not likely to occur.

INHALATION

Inhalation is not likely to occur.

INGESTION

Ingestion is not expected to occur.

GENERAL ADVICE

Keep working area clean.

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