









セクション1 - 材料識別		製品安全データシート # 632372-13					
素材名称 VIVA ソフト・チューブ・マテリアル (ポリオレフィン樹脂/ポリプロピレンエチレン/プロピレン共重合体) 識別子		危険性格付け (最大 4) (最低 0)					
製造業者名 VIVAヘルスケア・パッケージング(カナダ)		サプライヤー 名称 VIVAヘルスケア・パッケージング(カナダ)		1	0		
ストリート 住所 1663 ニールソン・ロード		ストリート 住所 1663 ニールソン・ロード		可燃性	反応性		
市	州	市	州	0	0		
トロント	オンタリオ	トロント	オンタリオ	健康	個人的な保護		
郵便番号	緊急時電話番号	郵便番号	緊急時電話番号				
M1X 1T1	416-321-0622	M1X 1T1	416-321-0622				
化学物質 名称 ポリマー樹脂		化学物質 族 炭化水素樹脂ポリマー		化学物質 式 ポリマー樹脂			
分子 重量 高分子量樹脂		商号および 同義語 ソフト・チューブ・マテリアル		素材使用 ヘルスケアパッケージング			
セクション2 - 準備情報							
報告者 ピーター・ムラデノヴィッチ		報告日 2013年2月14日		電話番号 905-812-3856			
セクション3 - 材料の有害性成分							
有害性成分	おおよその濃度 %	CAS 登録番号 又は 国連番号	暴露限界	半数致死量/半数致死濃度			
ポリオレフィン樹脂混合物 ポリプロピレン プロピレン/エチレン 共重合体 ※1 注：この製品は、WHMISにより "制御されない"と分類されています。 ※2 注：この製品は、FDAの包装材料 として規制要件を満たしています。	>50 >50	9003-07-0 9010-79-1	データなし データなし	データなし データなし			
WHIMIS HAZARD CLASS SYMPOL (FOR WHIMIS LABELS)							
							
A _____	B _____	C _____	D1 _____	D2 _____	D3 _____	E _____	F _____
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※1,2の注意書きより、材料の安全性が担保されているため、2~4ページはオリジナル(英語文)になっています。

SECTION 4-PHYSICAL DATA FOR MATERIAL			M.S.D.S. # 632372-13	
PHYSICAL STATE GAS <input type="checkbox"/> LIQUID <input type="checkbox"/> SOLID <input checked="" type="checkbox"/>	ODOUR & APPEARANCE Odourless, Opaque White		ODOUR THRESHOLD (ppm) Not Applicable	SPECIFIC GRAVITY 0.9 – 1.05
VAPOUR PRESSURE Not Applicable	VAPOUR DENSITY (AIR*) 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) 0.9 – 1.05	COEFFICIENT OF OIL/WATER DISTRIBUTION Not Applicable
SECTION 5-FIRE AND EXPLOSION HAZARD OF MATERIAL				
FLAMMABILITY IF YES, UNDER WHAT CONDITIONS YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	The material is not flammable, however it is combustible			
MEANS OF EXTINCTION Extinguishing may include Water mist, Foam, CO ₂ and Dry chemicals				
SPECIAL PROCEDURES 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 CONDITIONS YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	The material is stable at standard ambient conditions			
INCOMPATIBILITY TO OTHER SUBSTANCES YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	There are no known incompatible materials			
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 <input type="checkbox"/> SKIN ABSORPTION <input type="checkbox"/> EYE CONTACT <input type="checkbox"/> INHALATION ACUTE <input type="checkbox"/> INHALATION CHRONIC <input type="checkbox"/> INGESTION <input type="checkbox"/>				
EFFECTS OF ACUTE EXPOSURE No physiological disorders will develop during continuous exposure to the product, however, physical injury to the unprotected eye is possible during handling of the material				
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SECTION 7-TOXICOLOGICAL PROPERTIES OF PRODUCT (CONTINUED)**M.S.D.S. # 632372-13**

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

Not Available

SYNERGISTIC MATERIALS

None Known

PRODUCT IS

CARCINOGEN

REPRODUCTIVE EFFECTOR

TERATOGEN

MUTAGEN

SECTION 8-PREVENTIVE MEASURES

PERSONAL PROTECTIVE EQUIPMENT TO BE

WORN Regular clothing

GLOVES

Regular work gloves

EYEWEAR

Safety glasses

FOOTWEAR

Regular Work Boots

RESPIRATOR

Regular Dust Mask
(disposable type)

CLOTHING

Regular Work Clothing

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 material should be disposed in accordance with local by-laws and regulations

HANDLING PROCEDURES & EQUIPMENT

No special procedure is required to handle the product

STORAGE REQUIREMENTS

Store the material in cool place, away from heat and open flame

SPECIAL SHIPPING INFORMATION/TDG CLASSIFICATION

The product is not regulated

SECTION 9-FIRST AID MEASURES

SKIN

Wash skin with soap and water

EYE

To remove any particulate matter, flush the eye with plenty of water. If physical injury has caused bleeding, promptly seek medical help

INHALATION

Inhalation is not likely to occur, however move away from the area where the material is being handled

INGESTION

Ingestion is not expected to occur

GENERAL ADVICE

Keep working area clean

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SECTION 10-REGULATORY INFORMATION**M.S.D.S. # 632372-13**

The Viva Soft Tube Material is not a regulated product.

Note: Analysis of the Viva Soft Tube Material has shown that no toxic substances (organic or inorganic) were present in the molded tube product.

From the published information and based on the results of actual analysis, the Viva Soft Tube material conforms to the FDA, generally recognized as a safe product (GRAS), as detailed under section 201(s) and 409 of the Federal Food Drug and Cosmetics Act.

SECTION 11-SOURCE OF INFORMATION

1. Internet – Up-to-date, published information relevant to the product polymers, related to packaging
2. Dangerous Properties of Industrial Materials / Fifth Edition, N. Irving Sax, Van Nostrand Reinhold Company, N.Y.
3. Results of analysis performed on the product – CMTL reports #632375-13 & #632372-13

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