**SECTION I – CHEMICAL PRODUCT AND COMPANY INDENTIFICATION**

**MANUFACTURER'S NAME :**  F.H. & Sons Manufacturing Ltd.

**ADDRESS** Street/City/Postal Code**:** 33 Baywood Road / Toronto, ON / M9V 3Y8

**EMERGENCY TEL : CANUTEC 613-996-6666**

**DATE MSDS PREPARED :** Aug 30, 2019

**MSDS PREPARED BY :** Albert Henriques

**TEL :** 888-422-7737 416-744-2723

**PRODUCT IDENTIFIER :**  PVC Plastisol Inks. Colors & codes below;

**PRODUCT USE :** Textile Printing

**SPECIAL FX** **CHROMATEX COLOURS** **TORONTO SPORT COLOURS**

11-CR Crystallina PF-1111 Casper White PF-BJ-DK-B Blue Jay Dk Blue

11-GLO Glo-in-the-dark PF-1110 Primrose PF-BJ-LT-B Blue Jay Lt Blue

11-GG Gold Glitter PF-1112 Lemon PF-BJ-R Blue Jay Red

11-SG Silver Glitter PF-1114 S.O. Gold PF-ML-B Maple Leaf Blue 281

11-HD-B Hi Density Black PF-1115 Chrome PF- 11RP Raptor Purple

11-HD-C Hi Density Clear PF-1118 Orange PF-11RR Raptor Red

11-HD-G Hi Density Base PF-1123 Scarlet

11-HD-W Hi Density White PF-1125 Bright Red **POPULAR PANTONE® COLOURS**

11-MG-P Metallic Pale Gold PF-1129 Maroon PF-11GR C Green

11-MG-R Metallic Rich Gold PF-1135 Grey PF-11MA Magenta

11-MS Metallic Silver PF-1142 Dark Green PF-11RE Red #185

11-REF Reflective PF-1145 Emerald Green PF-11RH Rhodamine

11-SU Suede Base PF-1147 Kelly Green PF-11RU Rubine

PF-1151 S.O. Light Blue PF-11TU Turquoise

**CT COLOUR MIXING SYSTEM** PF-1154 Navy PF-11WR Warm Red

CT Mixing White PF-1155 Reflex Blue PF-11-021 Orange

CT Black PF-1156 S.O. Cyan Blue PF-11-032 Red

CT Blue PF-1157 Royal Blue PF-11-187 Red

CT Green PF-1158 Ultra Blue PF-11-199 Red

CT Magenta PF-1159 Purple PF-11-293 Royal Blue

CT Marine PF-1165 Brown PF-11-298 Powder Blue

CT Orange PF-1170 Black PF-11-485 Red

CT Red PF-1155 Reflex Blue

CT Violet PF-11FB Fluor Blue **ADDITIVES & BASES**

CT Yellow PF-11FC Fluor Chartreuse PF-1100-OC Overprt Hi Gloss Clr

CT Fluor Blue PF-11FG Fluor Green PF-1100-OP Opaque Base

CT Fluor Pink PF-11FM Fluor Magenta PF-1100-PR Hi Clarity Base/Ext

CT Fluor Purple PF-11FO Fluor Orange PF-1180-50 Wetting Agent

CT Fluor Red PF-11FP Fluor Pink PF-1180-225 Softhand Clear

CT Fluor Yellow PF-11PB Process Blue PF-13PA Puff Additive

PF-11PBlk Process Black PF-15AD Hot Split Additive

**TECHNI-PUFF COLOURS** PF-11PM Process Magenta

PF-1300 Puff Mixing Base PF-11PY Process Yellow **HOT SPLIT COLOURS & BASE**

PF-1304 Puff White **NU POLY COLOURS** PF-1500 Hot Split Base

PF-13\_\_ All Colours NU Poly All Colours PF-15\_\_ All Colours

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**SECTION 2 - HAZARDOUS INDENTIFICATION**

**NONE** : 2012 OSHA (29 CFR 1910.1200)

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**SECTION 3 - COMPOSITION**

**CHEMICAL NAME** **CAS# CONCENTRATION**

Pigments various 0 – 15%

PVC Homopolymer 9002-86-2 20 – 40%

Calcium Carbonate 1317-65-3 20 – 40%

Plasticizer 136542-14-8 20 – 40%

Titanium Dioxide 13463-67-7 0 – 30%

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**SECTION 4 – FIRST AID MEASURES**

**SKIN CONTACT** **:** Wash thoroughly with soap and water.

**EYE CONTACT** : Rinse thoroughly with plenty of clean water for 15 minutes.

**INHALATION** : Move to fresh air.

**INGESTION** : Do not induce vomiting. Rinse mouth with water and drink plenty of water.

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**SECTION 5 – FIRE FIGHTING MEASURES**

**FLAMMABLE** (ifyes, under which conditions?) **:** No

**MEANS OF EXTINCTION** : Extinguisher

**FLASHPOINT** (°C) and Method : 96.1°C

**UPPER FLAMMABLE LIMIT** (% by volume): N/A

**LOWER FLAMMABLE LIMIT** (% by volume) : N/A

**AUTOIGNITION TEMPERATURE** (°C) : N/A

**EXPLOSION DATA**-Sensitivity to Impact : N/A

**EXPLOSION DATA**-Sensitivity to Static Discharge: N/A

**HAZARDOUS COMBUSTION PRODUCTS** : N/A

**(NFPA)**

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**SECTION 6 – ACCIDENTAL RELEASE MEASURES**

**LEAK & SPILL PROCEDURES** **:** Dam up. Cover spill with sand. Take up mechanically.

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**SECTION 7 – HANDLING AND STORAGE**

**HANDLING PROCEDURES AND EQUIPMENT**: Handle in accordance with good industrial practice and hygiene.

**STORAGE REQUIREMENTS**: Keep product in a sealed container and in a cool place. Below 35°C, (or 95°F).

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**SECTION 8 – EXPOSURE CONTROL / PERSONAL PROTECTION**

**SPECIFIC ENGINEERING CONTROLS** *(such as ventilation, enclosed process)* **:** Showers, Eye Wash Station

: Ventilation System

**PROTECTIVE EQUIPMENT** **:**  Gloves, Safety Eyeglasses

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**SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES**

**PHYSICAL STATE :** Liquid

**ODOUR and APPEARANCE** : Mild odour. Viscous liquid.

**ODOUR THRESHOLD** (ppm) : N/A

**SPECIFIC GRAVITY** : 1.4

**VAPOUR DENSITY** (air = 1) : N/A

**VAPOUR PRESSURE** (mmHg) : N/A

**EVAPORATION RATE** : N/A

**BOILING POINT** (°C / °F) : 232.2°C / 450°F

**FREEZING POINT** (°C / °F) : N/A

**Ph**  **:** 7

**COEFFICIENT of WATER/OIL DISTRIBUTION** : N/A

**(SOLUBILITY IN WATER)** : Insoluble

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**SECTION 10 – STABILITY AND REACTIVITY**

**STABILITY** *(if unstable, under which conditions?)*: Stable

**INCOMPATIBILITY WITH OTHER SUBSTANCES** *(if any, which ones?)*

**:**  None known

**REACTIVITY** *(and under what conditions?)* **:** Not Reactive **HAZARDOUS DECOMPOSITION PRODUCTS :** None known

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**SECTION 11 – TOXICOLOGICAL INFORMATION**

**EFFECTS OF ACUTE EXPOSURE :** None known

**EFFECTS OF CHRONIC EXPOSURE:** None known

**IRRITANCY OF PRODUCT** : N/A

**SKIN SENSITIZATION**  : N/A

**RESPIRATORY SENSITIZATION** : N/A

**CARCINOGENICITY-IARC** : Not carcinogenic

**CARCINOGENICITY-ACGIH** : Not carcinogenic

**REPRODUCTIVE TOXICITY** : No information available

**TERATOGENICITY**  : N/A

**EMBROTOXICITY** : No information available

**MUTAGENICITY**  : N/A

**NAME OF SYNERGISTIC PRODUCTS/EFFECTS:** None

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**SECTION 11 – TOXICOLOGICAL INFORMATION**

**EFFECTS OF ACUTE EXPOSURE :** None known

**EFFECTS OF CHRONIC EXPOSURE:** None known

**IRRITANCY OF PRODUCT** : N/A

**SKIN SENSITIZATION**  : N/A

**RESPIRATORY SENSITIZATION** : N/A

**CARCINOGENICITY-IARC** : Not carcinogenic

**CARCINOGENICITY-ACGIH** : Not carcinogenic

**REPRODUCTIVE TOXICITY** : No information available

**TERATOGENICITY**  : N/A

**EMBROTOXICITY** : No information available

**MUTAGENICITY**  : N/A

**NAME OF SYNERGISTIC PRODUCTS/EFFECTS:** None

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**SECTION 12 – ECOLOGICAL SECTION INFORMATION**

**(AQUATIC TOXICITY) :** Unknown

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**SECTION 13 – DISPOSAL CONSIDERATIONS**

**WASTE :** According to local regulations. DOT, TDG

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**SECTION 14 – TRANSPORT INFORMATION**

**NOT REGULATED**

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**SECTION 15 – REGULATORY INFORMATION**

**WHMIS CLASSIFICATION :** Complies

**OSHA CLASSIFICATION :** Complies

**SERA CLASSIFICATION :** Complies

**TSCA CLASSIFICATION :** Complies

***This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all of the information required by CPR.***

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**SECTION 16 – OTHER INFORMATION**

**HEALTH HAZARDS : 0**

**FLAMMABILITY : 1**

**INSTABILITY : 0**

**PERSONAL PROTECTION : B**

**INFORMATION CONTAINED HEREIN IS BASED ON DATA BELIEVED TO BE RELIABLE, BUT IS PRESENTED WITHOUT GUARANTEE OR WARRANTY AND F.H. & SONS DISCLAIMS ANY LIABILITY INCURRED FROM THE USE THEREOF.**