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# MATERIAL SAFETY DATA SHEET

## SECTION 1: IDENTIFICATION OF PRODUCT

|                        |  |
|------------------------|--|
| <b>TRADE NAME:</b>     | COMMERCIAL VITON   |
| <b>PRODUCT NUMBER:</b> | 350-08-362   |
| <b>WHMIS CLASS:</b>    | NOT CONTROLLED   |
| <b>DESCRIPTION:</b>    | FLUORINATED HYDROCARBON (FPM)  |
| <b>PRODUCT USE:</b>    | VITON MATERIAL   |
| <b>TRANSPORT:</b>      | NOT REGULATED  |
| <b>HMIS CODE:</b>      | HEALTH ( ) FIRE ( ) REACTIVITY ( )<br>SPECIFIC ( )<br>0:Minor 1:Light 2:Moderate 3: High 4: Dangerous  |
| <b>SUPPLIER:</b>       | American Biltrite ( Canada ) Ltd<br>200, Bank Street, Sherbrooke,<br>Québec, Canada J1H 4K3<br><b>EMERGENCY PHONE NUMBER:</b> (819) 829-3300 |

## SECTION 2: HAZARDOUS INGREDIENTS

| HAZARDOUS INGREDIENTS  | # CAS      | %      | T.L.V. | LD50                    |
|--|------------|--------|--------|-------------------------|
| VINYLDENE FLUORIDE-<br>HEXAFLUOROPROPENE<br>POLYMER                    | 9011-17-0  | 0 - 80 | N/D    | > 5000 mg/kg (oral-rat) |
| VINYLDENE FLUORIDE-<br>HEXAFLUOROPROPENE-<br>TETRAFLUOROETHENE POLYMER | 25190-89-0 | 0 - 80 | N/D    | N/D                     |
| VINYLDENE FLUORIDE-<br>HEXAFLUOROPROPENE-TETRA                         | 74398-72-4 | 0 - 80 | N/D    | N/D                     |

|   |           |       |                       |     |
|---|-----------|-------|-----------------------|-----|
| FLUOROETHENE-BROMOTHTRAFLUOROBUTENE POLYMER |           |       |                       |     |
| DIBUTYLE SEBACATE                           | 109-43-3  | 0 - 5 | N/D                   | N/D |
| CURATIVES                                   | N/D       | < 4   | N/D                   | N/D |
| BARIUM SULFATE                              | 7727-43-7 | < 1   | 10 mg/m <sup>3</sup>  | N/D |
| CALCIUM CARBONATE                           | 1317-65-3 | < 20  | 10 mg/m <sup>3</sup>  | N/D |
| MAGNESIUM OXIDE                             | 1309-48-4 | < 5   | 10 mg/m <sup>3</sup>  | N/D |
| CALCIUM HYDROXIDE                           | 1305-62-0 | < 5   | 5 mg/m <sup>3</sup>   | N/D |
| CARBON BLACK                                | 1333-86-4 | < 10  | 3.5 mg/m <sup>3</sup> | N/D |
| PROCESSING AID                              | N/D       | < 3   | N/D                   | N/D |

### SECTION 3: PHYSICAL PROPERTIES

|  |                                 |
|--|---------------------------------|
| APPEARANCE AND ODOUR:                  | Black solid material, no odour. |
| BOILING POINT (°C):                    | N/A                             |
| SPECIFIC GRAVITY (H <sub>2</sub> O=1): | 1.77 - 186                      |
| VAPOR DENSITY (Air=1):                 | N/A                             |
| MELTING POINT (°C):                    | N/D                             |
| EVAPORATION RATE:                      | N/A                             |
| SOLUBILITY IN WATER (%):               | N/E                             |
| VOLATILE MATTER (% Vol.):              | N/D                             |
| VAPOR PRESSURE (mm of Hg):             | N/A                             |
| PH:                                    | N/D                             |

### SECTION 4: FIRE AND EXPLOSION HAZARD DATA

|                                 |                |
|---------------------------------|----------------|
| FLAMMABLE:                      | YES ( ) NO (X) |
| IF YES, IN WHICH CONDITIONS:    |                |
| FLASH POINT (°C):               | > 204          |
| METHOD:                         | Open cup       |
| AUTO-IGNITION TEMPERATURE (°C): | N/D            |

|   |     |                     |     |
|---|-----|---------------------|-----|
| <b>FLAMMABLE LIMITS (% VOL.IN AIR):</b>   |     |                     |     |
| <b>LOWER LIMIT:</b>   | N/D | <b>UPPER LIMIT:</b> | N/D |
| <b>EXTINGUISHING MEDIA:</b>   |     |                     |     |
| WATER SPRAY   | (x) | WATER FOG           | ( ) |
| FOAM  | (x) | DRY CHEMICAL        | (x) |
| OTHERS  | ( ) | CARBON DIOXIDE      | (x) |
| <b>SPECIAL FIRE FIGHTING PROCEDURES:</b>  |     |                     |     |
| Does not burn without an external flame. Protect from hydrogen fluoride fumes, which react with water to form hydrofluoric acid. Wear neoprene gloves when handling refuse from a fire.   |     |                     |     |
| <b>UNUSUAL FIRE AND EXPLOSION HAZARDS:</b>  |     |                     |     |
| Pellet form may accumulate static charge when poured from one container to another.Hazardous gases/ vapors produced in fire are hydrogen fluoride (HF), carbonyl fluoride, carbon monoxide, and low molecular weight fluorocarbons. |     |                     |     |

## SECTION 5: REACTIVITY DATA

|  |  |                  |     |
|--|--|------------------|-----|
| <b>STABILITY:</b>                            | UNSTABLE ( )   | STABLE           | (x) |
| <b>CONDITIONS TO AVOID:</b>                  | Temperatures above 200 °C (392 °F)   |                  |     |
| <b>HAZARDOUS POLYMERIZATION:</b>             | MAY ( )  | WILL NOT         | (x) |
|  | OCCUR  | OCCUR            |     |
| <b>CONDITIONS TO AVOID:</b>                  | N/D  |                  |     |
| <b>INCOMPATIBILITY (materials to avoid):</b> |  |                  |     |
| WATER ( )                                    | BASE ( )   | OXIDIZING AGENTS | ( ) |
| ACID ( )                                     | CORROSIVE ( )  |                  |     |
| OTHERS (x)                                   | Incompatible with finely divided metals such as aluminum. Compounding with metal powders presents an explosion hazard. |                  |     |
| <b>HAZARDOUS DECOMPOSITION PRODUCTS:</b>     |  |                  |     |
| Hydrogen fluoride (HF) and perfluoroolefins. |  |                  |     |

## SECTION 6: PREVENTIVE MEASURES

|                                |   |
|--------------------------------|---|
| <b>VENTILATION:</b>            | Vapors and fumes liberated during hot processing should be exhausted from the work areas to maintain hydrogen fluoride concentration below TLV. |
| <b>RESPIRATORY PROTECTION:</b> | When temperatures exceed 200 degrees C and ventilation is   |

|                         |   |
|-------------------------|---|
|                         | inadequate to maintain concentrations below exposure limits, use a positive pressure air supplied respirator. Air purifying respirators may not provide adequate protection.  |
| <b>EYE PROTECTION:</b>  | Safety glasses. Wear coverall chemical splash goggles and face shield when possibility exists for eye and face contact due to splashing or spraying or molten material.   |
| <b>HAND PROTECTION:</b> | If VITON is used or tested at temperatures above 316 degrees C, the surface of the parts may contain HF or HF condensate, which may cause severe burns, sometimes with symptoms delayed for several hours. Wear neoprene or PVC (if temperature is below melting points of PVC) gloves when handling parts or equipment after exposure to such high t |