

MATERIAL SAFETY DATA SHEET

1. PRODUCT IDENTIFICATION

Product Name: SPV12 Fluoroelastomer Coating - Component 1
MSDS Date: 09/01/10

2. COMPANY IDENTIFICATION

Acrymax Technologies Inc.
221 Brooke Street
Media, PA 19063
www.acrymax.com
Emergency Phone # 610-566-7473 or 610-357-4355
Information Phone # 800-553-0523

3. INGREDIENTS

INGREDIENT	CAS NUMBER	PERCENT	OCCUPATIONAL EXPOSURE LIMITS	VAPOR PRESSURE
Vinylidene Fluoride-Hexafluoropropene-Tetrafluoroethene Polymer	25190-89-0	<25.00	15 mg/m ³ 8 hour TWA - total dust 5 mg/m ³ 8 hour TWA - respirable dust	N/A
Magnesium Oxide	1309-48-4	<5.00	10mg/m ³ ACGIH TLV (total particulates)	N/A
Titanium Dioxide	13463-67-7	<5.00	10mg/m ³ ACGIH TLV (total particulates)	N/A
Methyl Ethyl Ketone	78-93-3	<50.00	200 ppm OSHA PEL 300 ppm ACGIH STEL	77.5 mm Hg @ 20° C
Methyl Isobutyl Ketone	108-10-1	<30.00	100 ppm OSHA TWA8 75 ppm ACGIH STEL	15 mm Hg @ 20° C

4. PHYSICAL AND CHEMICAL PROPERTIES

Boiling Range: Approx 175° F
Vapor Density: Heavier than air
Evaporation Rate: 5.6 (n-butyl acetate=1)
% Volatile by Volume: 86.6%
Weight per gallon: 8.1 lbs.
VOC: 705 g/l

5. FIRE AND EXPLOSION HAZARD DATA

Flash Point: 21° F (TCC)
DOT Flammability Classification: Class 3 (Flammable Liquid)
DOT Shipping Classification: Paint, 3, UN1263, PGII
Unusual Fire and Explosion Hazards: Vapors are heavier than air and may accumulate in low areas or areas that are inadequately ventilated. Vapor can travel considerable distance to a source of ignition and flash back explosively.
Extinguishing Media: Use CO2 or dry chemical for small fires, alcohol-type aqueous film-forming foam or water spray for large fires. Water may be ineffective but should be used to cool fire exposed structures and vessels.
Special Fire Fighting Procedures: If potential for exposure to vapors or products of combustion exists, wear complete personal protective equipment, including self-contained breathing apparatus with full facepiece operated in pressure demand or other positive pressure mode. Cool fire exposed containers with water.

6. REACTIVITY DATA

Stability:	Material is considered stable.
Hazardous Decomposition Products:	Hydrogen fluoride and perfluoroolefins evolved above 200°C and during combustion, CO, CO ₂ .
Hazardous polymerization:	Will not occur
Conditions to avoid:	Temperatures above 200 deg C. Do not apply near sources of ignition.
Materials to avoid:	Keep away from caustic soda, lime, and other strong alkalis, hydrochloric, sulfuric, and other strong inorganic acids, amines and oxidizing agents such as peroxides, nitric acid, perchloric acid, chromic acid, chromium trioxide, copper or copper alloys of pyridines..

7. HEALTH HAZARD DATA

Primary Routes of Exposure: Inhalation, Eye Contact, Skin Contact

EFFECTS OF OVEREXPOSURE:

Inhalation:	Vapor or spray mist causes irritation of the nasal passages and throat. High concentrations cause more severe irritation. Causes stupor (central nervous system depression) Headache, nausea, vomiting, dizziness, stupor, uncoordinated or strange behavior and drowsiness may occur. Loss of consciousness may occur.
Skin contact:	Can cause moderate skin injury (reddening and swelling). Repeated or prolonged contact can cause drying of skin, also dermatitis.
Eye contact:	Liquid and vapors are irritating to the eyes. Can cause severe injury. Damage might be reversible.
Ingestion:	Symptoms of exposure may include: Nausea, vomiting, loss of appetite, gastrointestinal irritation and/or diarrhea. Central nervous system depression with nausea, headache, and mental sluggishness.

8. EMERGENCY AND FIRST AID PROCEDURES:

Inhalation:	Move subject to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention immediately.
Skin Contact:	Wash affected areas with soap and water. Remove contaminated clothing. Consult a physician if irritation persists.
Eye Contact:	Flush eyes immediately with large amounts of water for a minimum of 15 minutes. Contact a physician immediately.
Ingestion:	Do not induce vomiting. Immediately give two glasses of water or milk. Never give anything by mouth to an unconscious person. Get medical attention immediately.

9. SPILL OR LEAK PROCEDURES

Steps to be taken in case material is released or spilled: Eliminate all sources of ignition such as flame, electrical sparks, open lights, pilot light, etc. Keep spectators away. Floor may be slippery - Use care to avoid falling. Dike and contain spill with inert material (sand, earth, etc.). Scrape up spill using non-sparking tools. Transfer liquid and solid diking materials to separate containers for recovery or disposal. Remove contaminated clothing and wash any affected skin areas with water. Wash clothing before reuse. Keep spills out of all sewers and open bodies of water.

Waste disposal method: All notification, clean-up and disposal should be carried out in accordance with local, state, and federal regulations.

10. HANDLING AND STORAGE

Extremely flammable material. Avoid breathing vapors.

Handling: Use with adequate ventilation. Keep containers closed when not in use. Always open containers slowly to allow any excess pressure to vent. Avoid breathing vapor. Avoid contact with eyes, skin, or clothing. Wash thoroughly with soap

and water after handling. Decontaminate soiled clothing thoroughly before re-use. Do not apply in vicinity of welding or open flame. Do not apply to hot surfaces. Refer to Section 11 for Personal Protective equipment.

In restricted ventilation areas: Use explosion proof ventilation as required to control vapor concentration.

Storage: Keep containers tightly closed when not in use. Store out of direct sunlight in cool location. Do not store with incompatible materials. Do not store near fire or flame. Do not store above 90° F. Store in well ventilated areas.

11. EXPOSURE CONTROLS – PERSONAL PROTECTION

Respiratory Protection: A respiratory protection program meeting OSHA 1910.134 and ANSI Z88.2 requirements or equivalent must be followed whenever workplace conditions warrant a respirator's use. Use NIOSH/MSHA approved respirator for organic vapors as required. For concentrations >1 and <10 times the occupational exposure level use air-purifying respirator with full facepiece and organic vapor cartridges. For concentrations more than 10 times the occupational exposure level use Type C full facepiece supplied-air respirator operated in positive-pressure or continuous-flow mode.

Eye Protection: Use chemical splash goggles or face shield. (ANSI Z87.1 or approved equivalent). Eye protection worn must be compatible with respiratory protection system employed. Facilities storing or utilizing this material should be equipped with an eyewash facility.

Skin protection: Impervious protective clothing

Hand Protection: Chemical-resistant gloves should be worn whenever this material is handled. Rinse and remove gloves immediately after use. Wash hands with soap and water.

Other protection: Use chemically resistant apron or other impervious clothing to avoid prolonged or repeated skin contact.

Work – Hygienic Practices: Remove contaminated clothing; launder or dry clean before reuse. Wash thoroughly with soap and water.

Engineering Controls (Ventilation): Use local exhaust ventilation with a minimum capture velocity of 100ft/min. (.5 m/sec.) at the point of vapor evolution. Refer to the current edition of Industrial Ventilation: A Manual of Recommended Practice published by the American Conference of Governmental Industrial Hygienists for information on the design, installation, use, and maintenance of exhaust systems. Use explosion proof ventilation as required to control vapor concentration.

12. DISPOSAL CONSIDERATIONS

Procedure: Dispose of in accordance with local, state and federal regulations for hazardous waste. To be certain that chemical waste disposal meets EPA regulatory requirements, address any questions to the RCRA (800) 424-9346. In addition, relevant State and local authorities should be contacted for information on any requirements they may have for the waste removal and disposal of this substance. State or local regulations or restrictions may differ from federal regulations. Handling and disposal information may also apply to empty containers.

13. TRANSPORT INFORMATION

DOT Flammability Classification: Class 3 (Flammable Liquid)

DOT Shipping Classification: Paint, 3, UN1263, PGII

14. REGULATORY INFORMATION

All individual ingredients of this product are listed in Section 3 of this MSDS. Different states and locales may have different regulations, including Right-to-Know regulations, regarding specific chemical substances and users should consult the appropriate regulations and contact authorities as necessary to assure compliance with applicable regulations. All components of this product are believed to be in compliance with the inventory listing requirements of the U.S. Toxic Substances Control Act (TSCA) Chemical Substances Inventory.

SARA SECTION 313: This product contains Methyl Ethyl Ketone (CAS #78-93-3) and Methyl Isobutyl Ketone (CAS #108-10-1) and is subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act and 40 CFR 372.

15. OTHER INFORMATION

Danger! Extremely flammable. Vapor may cause flash fire. Harmful or fatal if swallowed. Harmful if inhaled or absorbed through skin. Affects central nervous system. Causes irritation to skin, eyes, and respiratory tract. **Keep out of reach of children.** For professional use only.

Category	HMIS III – SPV12-1	Scale
Health	2	4 = Severe Hazard
Flammability	3	3 = Serious Hazard
Physical Hazard	0	2 = Moderate Hazard
Personal Protection	H	1 = Slight Hazard
		0 = Minimal Hazard

Prepared by: Acrymax Technologies Inc. – Technical Department

The information contained herein relates only to the specific material identified. Acrymax Technologies Inc. believes that such information is accurate and reliable as of the date of this Material Safety Data Sheet, but no representation, guarantee or warranty, expressed or implied, is made as to the accuracy, reliability, or completeness of the information. Since conditions of use are out of our control, users assume all risks associated with the use of the material and are advised to confirm in advance that the information contained in this MSDS is correct, applicable, and suitable to their circumstances. As these are proprietary formulations, the actual percentages of ingredients have been omitted pursuant to OSHA Federal Hazard Communication Standard.