

**MATERIAL SAFETY DATA SHEET**  
**ARMIN CORPORATION, 301 WEST SIDE AVE., JERSEY CITY, NJ 07305**

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**1. PRODUCT IDENTIFICATION, EMERGENCY INFORMATION**

**PRODUCT NAME:** POLYETHYLENE FILM - CELLOPHANE  
**CHEMICAL NAME:** POLYETHYLENE OR ETHYLENE VINYL ACETATE COPOLYMER  
**CHEMICAL FAMILY:** POLYETHYLENE OR ETHYLENE VINYL ACETATE COPOLYMER  
**PRODUCT APPEARANCE:** ODORLESS FILM  
**EMERGENCY TELEPHONE NUMBERS:** 201-432-8032 DURING BUSINESS HOURS

**2. HAZARDOUS COMPONENTS OF MIXTURES**

NOT APPLICABLE FOR THIS PRODUCT

**3. HEALTH INFORMATION AND PROTECTION**

**FIRST AID & NATURE OF HAZARD INHALATION:**

FIRST AID IS NORMALLY NOT REQUIRED. NO HAZARD IN NORMAL INDUSTRIAL USE.

**EYE CONTACT:**

FIRST AID IS NORMALLY NOT REQUIRED. NO HAZARD IN NORMAL INDUSTRIAL USE.

**SKIN CONTACT:**

FIRST AID IS NORMALLY NOT REQUIRED. NO HAZARD IN NORMAL INDUSTRIAL USE.

**INGESTION:**

FIRST AID IS NORMALLY NOT REQUIRED. NO HAZARD IN NORMAL INDUSTRIAL USE.

**SPECIAL PRECAUTIONS:**

AT TEMPERATURES ABOVE 482 DEG F. AS MIGHT OCCUR AT A HOT WIRE OR CUTTER BAR SURFACE, SOME DECOMPOSITION AND POLYMERIC BREAKDOWN OCCURS, PRODUCING CARBON MONOXIDE, CARBON DIOXIDE, WATER VAPOR AND POLYMERIC FUMES. LABORATORY INVESTIGATION OF THE FUMES HAS INDICATED THEY ARE COMPOSED PRIMARILY OF PARAFFINIC AND OLEFINIC HYDROCARBONS IN THE RANGE OF 8 TO 20 CARBON ATOMS. SMALL AMOUNTS OF BY-PRODUCTS RELATED TO SPECIFIC ADDITIVES OR PIGMENTS IN THE RESIN MAY BE PRESENT.

THE AIRBORNE CONCENTRATION OF POLYMERIC FUMES WHICH ARE CONSIDERED A HEALTH NUISANCE, SHOULD BE KEPT BELOW 5 MILLIGRAMS PER CUBIC METER AND THE CARBON MONOXIDE CONCENTRATION KEPT BELOW 50 PARTS PER MILLION OF AIR (ACGIH TLV'S). THIS CAN BEST BE ACCOMPLISHED THROUGH THE USE OF LOCAL EXHAUST VENTILATION OF THE HEAT SEALING/CUTTING DEVICE(S) AND/OR POWERED VENTILATION OF THE WORK AREA.

**PERSONAL PROTECTION:**

WHERE OVEREXPOSURE BY INHALATION MAY OCCUR AND ENGINEERING, WORK PRACTICE OR OTHER MEANS OF EXPOSURE REDUCTION ARE NOT ADEQUATE, APPROVED RESPIRATORS MAY BE NECESSARY.

**VENTILATION:**

LOCAL EXHAUST VENTILATION OF PROCESS EQUIPMENT MAY BE NEEDED TO CONTROL EXPOSURES TO BELOW THE RECOMMENDED EXPOSURE LIMIT. SEE PERSONAL PROTECTION RECOMMENDATIONS.

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**4. FIRE & EXPLOSION HAZARD**

FLASHPOINT DEG. F: 482 METHOD: NOTE: DECOMPOSES > 482 DEGREES F  
FLAMMABLE LIMITS-LEL: UEL: NOTE: NOT AVAILABLE  
AUTOIGNITION TEMPERATURE DEG. F : NOTE: NOT AVAILABLE

**GENERAL HAZARD:**

SOLID MATERIAL, MAY BURN AT OR ABOVE THE FLASHPOINT.  
IF THERMALLY DECOMPOSED, FLAMMABLE/TOXIC GASES MAY BE RELEASED.  
TOXIC GASES WILL FORM UPON COMBUSTION.  
STATIC DISCHARGE, MATERIAL CAN ACCUMULATE STATIC CHARGES WHICH CAN CAUSE AN INCENDIARY ELECTRICAL DISCHARGE.

**FIRE FIGHTING:**

USE WATER SPRAY TO COOL FIRE EXPOSED SURFACES, PROTECT PERSONNEL, AND EXTINGUISH THE FIRE.  
RESPIRATORY AND EYE PROTECTION REQUIRED FOR FIRE FIGHTING PERSONNEL.

**HAZARDOUS COMBUSTION PRODUCTS:**

SOME CARBON MONOXIDE UNDER OXYGEN LEAN CONDITIONS.

**5. SPILL CONTROL PROCEDURE:**

**LAND SPILL:**

RECOVER SPILLED MATERIAL AND PLACE IN SUITABLE CONTAINERS FOR RECYCLE OR DISPOSAL.  
CONSULT AN EXPERT ON DISPOSAL OF RECOVERED MATERIAL AND ENSURE CONFORMITY TO LOCAL DISPOSAL REGULATIONS.

**WATER SPILL:**

RECOVER SPILLED MATERIAL AND PLACE IN SUITABLE CONTAINERS FOR RECYCLE OR DISPOSAL.  
CONSULT AN EXPERT ON DISPOSAL OF RECOVERED MATERIAL AND ENSURE CONFORMITY TO LOCAL DISPOSAL REGULATIONS.

**6. NOTES**

C A S NUMBER FOR POLYETHYLENE IS 9002-88-4.  
C A S NUMBER FOR ETHYLENE VINYL ACETATE COPOLYMER IS 24937-78-8.

**7. TYPICAL PHYSICAL & CHEMICAL PROPERTIES**

**SP. GRAVITY REF. TEMP. F**

0.91 @ 60.0

0.97 @ 60.0

**SOLUBILITY IN WATER: IN SOLUBLE**

(N/A=NOT APPLICABLE)

VAPOR PRESSURE: N/A

VISCOSITY OF LIQUID: N/A

SP. GRAVITY OF VAPOR: N/A

FREEZING MELTING POINT/RANGE: N/A

BOILING POINT/RANGE: N/A

EVAPORATION RATE: N/A

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**8. REACTIVITY DATA**

**STABILITY?**

STABLE

**HAZARDOUS POLYMERIZATION OCCUR?**

WILL NOT OCCUR

**CONDITIONS TO AVOID INSTABILITY**

PROLONGED HEATING OVER 482  
DEG. F MAY CAUSE THERMAL  
DECOMPOSITION

**CONDITIONS TO AVOID HAZARDOUS  
POLYMERIZATION**

NOT APPLICABLE

**MATERIALS AND CONDITIONS TO AVOID INCOMPATIBILITY**

STRONG OXIDIZERS

**HAZARDOUS DECOMPOSITION PRODUCTS**

CARBON MONOXIDE, OLEFINIC OR PARAFFINIC HYDROCARBONS

**9. TRANSPORT AND STORAGE**

**ELECTROSTATIC ACCUMULATION HAZARD**

YES, USE PROPER GROUNDING PROCEDURE

**STORAGE TEMPERATURE**

NOT APPLICABLE

**LOADING/UNLOADING TEMPERATURE**

NOT APPLICABLE

**STORAGE/TRANSPORT PRESSURE**

NOT APPLICABLE

**VISCOSITY AT LOADING/UNLOADING  
TEMPERATURE**

NOT APPLICABLE

**10. HAZARD CLASSIFICATION**

**U.S. DOT CLASSIFICATION**

NOT REGULATED

**EPA HAZARDOUS SUBSTANCE**

NOT REGULATED

**ADDITIONAL INFORMATION:**

UNDER THE PROVISIONS OF TITLE III. SECTIONS 311/312 OF THE SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT, THIS PRODUCT IS CLASSIFIED INTO THE FOLLOWING HAZARD CATEGORIES: NOT HAZARDOUS.

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