



MATERIAL SAFETY DATA SHEET

PARTALL[®] FILM #10

MSDS Number: P10-001

Effective Date: 18 March 2003

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SECTION 1: CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME **PARTALL[®] Film #10**
GENERIC NAME Polyvinyl Alcohol (PVA) coating

MANUFACTURER REXCO
 P.O. Box 80996
 Conyers, Georgia 30094
 USA

TRANSPORTATION EMERGENCY:

CHEMTREC (800) 424-9300 U.S.A. (24 hours/day)
CHEMTREC (703) 527-3887 International (Collect calls accepted)

CUSTOMER SERVICE AND PRODUCT EMERGENCY:

REXCO (800) 888-1060 U.S.A and Canada
REXCO (770) 483-7610 International

SECTION 2: COMPOSITION / INFORMATION ON INGREDIENTS

COMPONENT	CAS NUMBER	CONCENTRATION (%)
Water	7732-18-5	56 – 61
Ethyl Alcohol	64-17-5	31 – 34
Acetic Acid Ethenyl Ester, Polymer with Ethenol	25213-24-5	7 – 8
Butyl Alcohol	71-36-3	1 – 2

SECTION 3: HAZARDS IDENTIFICATION

NFPA RATING: Health 2, Fire 3, Reactivity 0

HMIS RATING: Health 2, Fire 3, Reactivity 0

0=MINIMAL, 1=SLIGHT, 2=MODERATE, 3=HIGH, 4=EXTREME

POTENTIAL HEALTH EFFECTS

EYES Can cause eye irritation. Prolonged or repeated exposure may result in conjunctiva.
SKIN May cause skin irritation. Prolonged or repeated exposure may result in defatting, skin dermatitis.
INHALATION Repeated or prolonged exposure may cause central nervous system depression, including headache, dizziness, loss of coordination, unconsciousness.
INGESTION May cause nausea, vomiting, gastrointestinal bleeding, abdominal pain, and central nervous system depression with symptoms ranging from drunkenness to unconsciousness, narcosis, coma, respiratory failure, and death, depending on the quantity ingested.



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CHRONIC HEALTH EFFECTS: May result in irritation of mucous membranes, headache, central nervous system depression, and liver damage.

SYMPTOMS OF EXPOSURE: Symptoms of exposure through inhalation, ingestion, or direct contact with skin may include nausea, vomiting, diarrhea, irritation of nose, throat, airways, or skin, central nervous system depression – possibly including headache, loss of coordination, drowsiness, fatigue, and unconsciousness – and death in extreme cases. Pre-existing eye, skin, or respiratory disorders may be aggravated by exposure to this product.

PRIMARY ROUTES OF ENTRY: Skin contact, skin absorption, eye contact, and inhalation

CANCER INFORMATION: Neither this product nor any of its components is listed as a carcinogen or partial carcinogen by the following agencies: the National Toxicology Program, the International Agency for Research on Cancer, and the Occupational Safety and Health Administration.

SECTION 4: FIRST AID MEASURES

EYES	Flush immediately with cold water for 15 minutes and seek medical attention.
SKIN	Remove contaminated clothing and wash affected area with soap and hot water. If irritation from contact persists, seek medical attention. Launder contaminated clothing – including shoes – prior to reuse.
INHALATION	If light-headed or having difficulty breathing, expose individual to fresh air and/or oxygen. If breathing stops, begin artificial respiration and seek immediate medical attention.
INGESTION	Seek immediate medical attention. Only induce vomiting if directed to do so by medical personnel. If vomiting occurs spontaneously, keep victim's head below hips to prevent aspiration into lungs. If possible, do not leave victim unattended.

SECTION 5: FIRE FIGHTING MEASURES

FLASH POINT / METHOD: 76 °F (24 °C) / Tagliabue Closed Cup method (TCC)

AUTO IGNITION TEMPERATURE: 670 °F (354 °C)

FLAMMABLE LIMITS IN AIR (% BY VOLUME): LEL Lower 3.3% / UEL Upper 18.7%

FIRE AND EXPLOSION HAZARDS: Low flash point. Keep work areas free of hot metal surfaces and other sources of ignition.

EXTINGUISHING MEDIA: Use dry chemicals, CO₂, water fog, water spray, or alcohol-resistant foam.

FIRE FIGHTING INSTRUCTIONS: Wear a NIOSH-approved self contained breathing apparatus in positive pressure mode and full bunker gear. Water may be unsuitable as an extinguishing media but helpful in keeping adjacent containers cool in order to prevent container rupture. Avoid spreading burning liquid with water used for cooling purposes.



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SECTION 6: ACCIDENTAL RELEASE MEASURES

IN CASE OF SPILL: Keep sources of ignition and hot metal surfaces isolated from spill. Persons involved in clean-up should wear personal protection equipment. Stop spill at source and prevent from spreading. Flush spilled material into suitable retaining areas or containers. Small amounts of spilled material may be absorbed with any standard absorbent. If run-off occurs, notify proper authorities as required. Place in chemical waste container and dispose of in accordance with local, state, and federal regulations.

CAUTION! FLOORS COVERED WITH RESIDUAL MATERIAL BECOME EXTREMELY SLIPPERY WHEN WET.

SECTION 7: HANDLING AND STORAGE

Store in a cool, dry location at 100 °F (38 °C) or below and away from open flames, heat, and sparks. Store only in areas approved for Flammable Liquid. Keep work areas free of hot metal surfaces and other sources of ignition. Keep container tightly closed when not in use to prevent drying out of material.

Repack only into high-density polyethylene (HDPE). Containers used for repackaging should be thoroughly tested for long-term product compatibility before use. All new containers must exhibit product labels required for proper identification, safety, handling, and storage. Empty containers may contain product residue such as vapors – continue to observe proper handling and storage precautions.

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

EYE PROTECTION: Safety glasses, goggles, or face shield are advised. Eye washes are recommended for work areas.

SKIN PROTECTON: Wear impervious gloves, clothing, and shoes to prevent skin contact. Safety showers are recommended for work areas. Remove contaminated clothing and wash in hot water and soap prior to reuse.

RESPIRATORY PROTECTION: Exposure levels should be kept below the PEL or TLV for this product. If exposure exceeds recommended levels, use of NIOSH-approved cartridge respirator or gas mask is advised. Engineering controls should be implemented if necessary to reduce exposure.

ENGINEERING CONTROLS: Provide sufficient general and/or local exhaust (explosion-proof ventilation) to keep exposure below PEL or TLV.

EXPOSURE GUIDELINES

COMPONENT	OSHA PEL	ACGIH TLV
Water	None Established	None Established
Ethyl Alcohol	1000 ppm PEL/TWA	1000 ppm TLV/TWA
Acetic Acid Ethenyl Ester, Polymer with Ethenol	None Established	None Established
Butyl Alcohol	50 ppm PEL/TWA	50 ppm TLV/TWA

PEL = PERMISSIBLE EXPOSURE LIMITS

TLV = THRESHOLD LIMIT VALUE

TWA = TIME WEIGHTED AVERAGE (8 HOURS)



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SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: Clear or Green Liquid

ODOR: Alcohol

BOILING POINT: 158 – 220 °F (70 – 104 °C)

MELTING POINT: Not Applicable

V.O.C. (BY % CALCULATION): 347 g/L

V.O.C. = VOLATILE ORGANIC CONTENT

SPECIFIC GRAVITY (H₂O=1): 0.95

VAPOR PRESSURE (mm Hg): 26.67

VAPOR DENSITY (AIR=1): 1.2

SOLUBILITY IN WATER: Complete

REACTIVITY IN WATER: No

SECTION 10: STABILITY AND REACTIVITY

STABILITY: Stable

CONDITIONS TO AVOID: Open flames, hot surfaces, or any ignition source.

INCOMPATIBILITY: Incompatible with strong oxidizing agents, strong acids or bases, alkali metals, halogens, and strong alkalis.

HAZARDOUS DECOMPOSITION: Thermal decomposition in the presence of air may yield carbon monoxide and/or carbon dioxide. Above 200 °C, may yield acetaldehyde, crontonaldehyde, and acetone.

HAZARDOUS POLYMERIZATION: Will not occur

SECTION 11: TOXICOLOGICAL INFORMATION

No data available specific to this product. Following is data as pertains to one or more major ingredients:

EYES: Standard Draize eye test (Rabbit)
Dose: 500 mg Reaction: Severe
Dose: 500 mg / 24 hours Reaction: Mild

SKIN: Standard Draize skin test (Rabbit)
Dose: 20 mg / 24 hours Reaction: Moderate

INHALATION: LC50 (Rat): 20000 ppm / 10 hours

INGESTION: LD50 (Rat): 7606 mg/kg

SECTION 12: ECOLOGICAL INFORMATION

Product would not be expected to cause damage to the environment and is inherently biodegradable.



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SECTION 13: DISPOSAL CONSIDERATIONS

Waste material may be incinerated at an approved facility where permitted under appropriate Federal, State, and Local regulations.

SECTION 14: TRANSPORT INFORMATION

DOT CLASSIFICATION: Alcohols, n.o.s. (Ethyl Alcohol); 3; UN1987; Packing Group III
ICAO / IATA CLASSIFICATION: Alcohols, n.o.s. (Ethyl Alcohol); 3; UN1987; Packing Group III
IMDG CLASSIFICATION: Alcohols, n.o.s. (Ethyl Alcohol); 3; UN1987; Packing Group III; Marine Pollutant: No

SECTION 15: REGULATORY INFORMATION

COMPREHENSIVE ENVIRONMENTAL RESPONSE COMPENSATION AND LIABILITY ACT OF 1980 (CERCLA)

<u>COMPONENT</u>	<u>REPORTABLE QUANTITY (RQ)</u>
Butyl Alcohol	5000 lbs

SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT OF 1986 (SARA) TITLE III

SARA 302: Contains no chemicals subject to SARA 302 reporting

<u>SARA 311/312 HAZARD CATEGORIES:</u>	<u>COMPONENT</u>	<u>CATEGORY</u>
	Ethyl Alcohol	Immediate Health, Delayed Health, Fire
	Butyl Alcohol	Immediate (Acute) Health Hazard, Fire

SARA 313: Contains no chemicals subject to SARA 313 reporting

OCCUPATIONAL HEALTH AND SAFETY ADMINISTRATION (OSHA) CLASSIFICATION: Hazardous

CALIFORNIA PROPOSITION 65: Contains no detectable quantities of Proposition 65 chemicals.

WORKPLACE HAZARDOUS MATERIAL INFORMATION SYSTEM (WHMIS) CLASSIFICATION:

Hazardous: Flammable Liquid

CHEMICAL INVENTORY: This product is not listed on regulatory inventories or listings. Components are either listed on the following chemical inventories or qualify for an exemption:

UNITED STATES	Toxic Substances Control Act (TSCA)
CANADA	Canadian Domestic Substance List (DSL)
EUROPE	European Inventory of Existing Commercial Chemical Substances (EINECS)
AUSTRALIA	Australian Inventory of Chemical Substances (AICS)
JAPAN	Existing and New Chemical Substances (ENCS)
KOREA	Existing Chemicals List (ECL)
PHILIPPINES	Philippines Inventory of Chemicals and Chemical Substances (PICCS)



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SECTION 16: OTHER INFORMATION

All information provided in this Material Safety Data Sheet is believed to be accurate and reliable. REXCO makes no warranty of any kind, express or implied, including warranties of merchantability or fitness for a particular purpose, concerning the safe use of this material in your process or in combination with other substances. Users should make their own tests and assessments as to the suitability of this product or the information contained herein for their particular purposes and uses. .

Prepared by: REXCO Product Stewardship Department