

MATERIAL SAFETY DATA SHEET

PJ-520

PRODUCT NAME: PJ1 FOAM FILTER OIL, SPRAY
PRODUCT CODE: 5-20

HMIS CODES: H F R P
1 2 0 G

SECTION I - MANUFACTURER IDENTIFICATION

MANUFACTURER'S NAME: ADVANCED PACKAGING & PRODUCTS COMPANY
ADDRESS: 16131 S. Maple Avenue, Gardena, California 90248 U.S.A.
EMERGENCY PHONE: 1-800-424-9300
DATE REVISED: 11/01/94
REASON REVISED: Update Data/Warnings
INFORMATION PHONE: 1-310-323-6165
NAME OF PREPARER: ADVANCED PACKAGING

SECTION II - HAZARDOUS INGREDIENTS/SARA III INFORMATION

HAZARDOUS COMPONENTS	CAS NUMBER	OCCUPATIONAL EXPOSURE LIMITS		(ppm) OTHER TLV (STEL)	VAPOR PRESSURE mm Hg @ TEMP	WEIGHT PERCENT
		OSHA PEL	ACGIH TLV			
VM&P NAPHTHA / ALIPHATIC / HYDROCARBON	64742898	300	300	400	15 @ 100°F	17.43%
SOL 8 / LIGHT ALIPHATIC / HYDROCARBON	64742898	NE	NE	NE	90 @ 100°F	17.42%
HEXANE / ALIPHATIC / HYDROCARBON	110543	-	100	100	125 @ 68°F	12.74%
FOAM FILTER OIL BASE	64741533	-	-	-	5 @ 100°F	48.72%
PROPELLANT: ISOBUTANE & PROPANE	68476857	300	300	NE	70psig @ 70°F	

* = SARA Title III (See Below)

AEROSOL - CONTENTS UNDER PRESSURE 52+/-5 psig

NE = None established S = Skin SP = Supplier STEL = Short Term Exposure Limit

* Indicates toxic chemical(s) subject to the reporting requirements of Section 213 of Title III & 40 CFR 372.

* Complies with the OSHA Hazard Communication Standard

SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS

BOILING POINT: -13.5 TO 390°F
VAPOR DENSITY: HEAVIER THAN AIR
SOLUBILITY IN WATER: N/A
APPEARANCE AND ODOR: AEROSOL LUBRICANT, SOLVENT ODOR
SPECIFIC GRAVITY: N/A
EVAPORATION RATE: FASTER THAN ETHER

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT: PROPELLANT BELOW 0.0°F
FLAMMABLE LIMITS IN AIR BY VOLUME - LOWER: 0.9%
METHOD USED: T.O.C.
UPPER: 9.5%

EXTINGUISHING MEDIA: CO₂, DRY CHEMICAL, FOAM

SPECIAL FIREFIGHTING PROCEDURES:

AVOID CONFINED SPACES. FIREFIGHTERS SHOULD BE EQUIPPED WITH FULL PROTECTIVE EQUIPMENT INCLUDING A POSITIVE PRESSURE NIOSH-APPROVED SELF-CONTAINED BREATHING APPARATUS. WATER MAY BE UNSUITABLE AS A EXTINGUISHING MEDIUM.

UNUSUAL FIRE AND EXPLOSION HAZARDS:

VAPORS ARE HEAVIER THAN AIR AND MAY ACCUMULATE IN LOW AREAS OF POOR VENTILATION OR TRAVEL ALONG THE GROUND TO REMOTE IGNITION SITES. CONTENTS ARE UNDER PRESSURE. KEEP COOL. EXPOSURE TO HEAT OR SUNLIGHT MAY CAUSE CANS TO BURST AND PROPEL CONTENTS. WATER FROM FOG NOZZLES MAY BE HELPFUL IN COOLING UNRUPTURED CONTAINERS TO PREVENT PRESSURE BUILD-UP.

SARA: These ingredients are subject to SARA Title Section 313 reporting for Superfund Amendments & Reauthorization Act of 1986 and CFR 40 Part 372.

SARA: Aerosol products are subject to SARA Title III Section 312 reporting for Superfund Amendments & Reauthorization Act of 1986 and CFR 40 Part 372.

MATERIAL SAFETY DATA SHEET

===== SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE =====

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED

VENTILATE AREA. REMOVE SOURCES OF IGNITION, INCLUDING HOT METAL SURFACES. WEAR APPROPRIATE CLOTHING AND GEAR. PREVENT SKIN CONTACT AND AVOID BREATHING OF VAPOR. CONFINE IMMEDIATELY AND REMOVE WITH INERT ABSORBENT SUCH AS CLAY OR SAND.

WASTE DISPOSAL METHOD

DO NOT ALLOW MATERIAL TO CONTAMINATE GROUND WATER SYSTEM. PLACE IN NON-LEAKING CONTAINERS. DISPOSE OF ABSORBED MATERIAL IN ACCORDANCE WITH ALL FEDERAL, STATE, AND LOCAL REQUIREMENTS. DO NOT INCINERATE IN CLOSED CONTAINERS.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING

OBSERVE LABEL PRECAUTIONS. KEEP AWAY FROM HEAT, SPARKS, AND OPEN FLAME (I.E. ALL IGNITION SOURCES). CAP CONTAINER AFTER EACH USE. WASH THOROUGHLY AFTER HANDLING AND BEFORE EATING OR SMOKING. DO NOT STORE ABOVE 120°F. STORE IN DRY, WELL VENTILATED PLACE. DO NOT EXPOSE TO DIRECT SUNLIGHT TO AVOID BURSTING. DO NOT SPRAY NEAR FIRE OR FLAME.

OTHER PRECAUTIONS

KEEP AWAY FROM CHILDREN

AVOID UNNECESSARY CONTACT

DO NOT TAKE INTERNALLY. DO NOT PUNCTURE CONTAINERS.

USE WITH ADEQUATE VENTILATION. DO NOT INHALE VAPORS.

INTENTIONAL MISUSE BY DELIBERATELY CONCENTRATING AND INHALING VAPORS OF THIS PRODUCT MAY BE HARMFUL OR FATAL.

DO NOT SAND, FLAME CUT, BRAZE OR WELD DRY COATING WITHOUT A NIOSH/MSHA APPROVED RESPIRATOR OR SUFFICIENT VENTILATION.

===== SECTION VIII - CONTROL MEASURES =====

RESPIRATORY PROTECTION

DO NOT BREATHE VAPORS OR MISTS. IF THE TLV, PEL, OR OTHER LIMITS ARE EXCEEDED, THEN WEAR A PROPERLY FITTED VAPOR AND PARTICULATE OR POSITIVE PRESSURE AIR SUPPLIED RESPIRATOR APPROVED BY NIOSH/MSHA FOR USE WITH PAINTS DURING APPLICATION AND UNTIL ALL VAPORS AND SPRAY MISTS ARE DILUTED. FOLLOW THE RESPIRATOR MANUFACTURER'S DIRECTIONS FOR PROPER USE.

VENTILATION

PROVIDE SUFFICIENT VENTILATION IN VOLUME AND PATTERN TO KEEP CONTAINMENTS BELOW APPLICABLE OSHA REQUIREMENTS OR OTHER SUGGESTED EXPOSURE LIMITS. USE ONLY EXPLOSION PROOF EQUIPMENT WITH FLAMMABLE MATERIALS.

PROTECTIVE GLOVES

USE NEOPRENE GLOVES OR BETTER. PROTECTIVE CREAMS ARE NOT RECOMMENDED FOR PROTECTION BUT MAY BE USED FOR EASE OF CLEANUP.

EYE PROTECTION

GOGGLES ARE BEST TO PREVENT EYE IRRITATION. WHEN USING SAFETY GLASSES ADD SPLASH GUARD, SIDE SHIELDS, OR FACE SHIELD.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT

APRON, COVERALLS, OR WORK CLOTHES. CHANGE CLOTHES AND SHOES IN CASE OF SPILL, SPLASH, OR EXCESSIVE OVER SPRAY. DO NOT REUSE CLOTHING OR SHOES WHILE SOLVENT ODOR IS RETAINED IN THEM. EYE WASHES AND SAFETY SHOWERS COULD ALSO BE PROVIDED.

WORK/HYGIENIC PRACTICES

AS WITH ALL CHEMICAL PRODUCTS, USE CARE IN HANDLING. DO NOT SMOKE OR EAT WITHOUT FIRST WASHING YOUR HANDS.

===== SECTION IX - DISCLAIMER =====

DISCLAIMER

THE INFORMATION IN THIS MSDS WAS OBTAINED FROM SOURCES WHICH ARE BELIEVED TO BE RELIABLE. HOWEVER, THE INFORMATION IS PROVIDED WITHOUT ANY REPRESENTATION OR WARRANTY, EXPRESSED OR IMPLIED, REGARDING ITS ACCURACY OR CORRECTNESS. IT RELATES ONLY TO THE MATERIAL DESIGNATED HEREIN AND DOES NOT RELATE TO USE IN COMBINATION WITH ANY OTHER MATERIAL OR PROCESS.

PJH BRANDS

MATERIAL SAFETY DATA SHEET**PRODUCT NAME:** PJ1 FOAM FILTER CLEANER**HMIS CODES:** H F R P**PRODUCT CODE:** 15-22

3 4 1 G

PRODUCT CLASS: Aerosol**CONTROL CODE:** 15-22**SECTION I - MANUFACTURER IDENTIFICATION****MANUFACTURER'S NAME:** ADVANCED PACKAGING & PRODUCTS COMPANY**ADDRESS:** 16131 S. Maple Avenue, Gardena, California 90248 USA**EMERGENCY PHONE:** 1-800-424-9300 CHEMTREC®**DATE REVISED:** 04/22/93**INFORMATION PHONE:** 1-310-323-6165**REASON REVISED:** Updated Warnings**NAME OF PREPARER:** ADVANCED PACKAGING**SECTION II - HAZARDOUS INGREDIENTS/SARA III INFORMATION****HAZARDOUS COMPONENTS**

CAS NUMBER	OCCUPATIONAL EXPOSURE LIMITS			VAPOR PRESSURE (mmHg @ 70°F)	WEIGHT PERCENT
	OSHA PEL	ACGIH TLV	OTHER TLV (STEL) (ppm)		
*ALIPHATIC HYDROCARBON	64742-89-8	300	300	400	15 @ 100°F 70.00%
*PETROLEUM NAPHTHA	64742-47-8	100	100		1.3 @ 77°F 6.20%
*POLYETHYLENE GLYCOL OCTYL PHENYL ETHER	9036-19-5	NE	NE		NE 6.30%
*PROPANE	74-98-6		1000		109psig @ 70°F 10.0%
*2-PROPANONE	67-64-1	750	750	1000	184 @ 65°F 7.50%

WARNING: This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm

NE - none established

S - skin Sp - Supplier STEL - Short Term Exposure Limit

* Indicates hazard chemical(s) subject to the reporting requirements of Section 312 of Title III & 40 CFR 372.

* Complies with the OSHA Hazard Communication Standard

SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS**BOILING POINT:** -43.7 to 361°F**SPECIFIC GRAVITY:** N/A**VAPOR DENSITY:****HEAVIER THAN AIR. EVAPORATION RATE:** FASTER THAN ETHER**SOLUBILITY IN WATER:** N/A**APPEARANCE AND ODOR:** AEROSOL, STRONG SOLVENT ODOR**SECTION IV - FIRE AND EXPLOSION HAZARD DATA****FLASH POINT:** PROPELLANT BELOW 0.0°F**METHOD USED:** T.C.C.**FLAMMABLE LIMITS IN AIR BY VOLUME - LOWER:** 0.7% **UPPER:** 9.5%**EXTINGUISHING MEDIA:** CO₂, DRY CHEMICAL, FOAM**SPECIAL FIRE/FIGHTING PROCEDURES:**

AVOID CONFINED SPACES. FIREFIGHTERS SHOULD BE EQUIPPED WITH FULL PROTECTIVE EQUIPMENT INCLUDING A POSITIVE PRESSURE NIOSH-APPROVED SELF-CONTAINED BREATHING APPARATUS. WATER MAY BE UNSUITABLE AS AN EXTINGUISHING MEDIUM.

UNUSUAL FIRE AND EXPLOSION HAZARDS:

VAPORS ARE HEAVIER THAN AIR AND MAY ACCUMULATE IN LOW AREAS OF POOR VENTILATION OR TRAVEL ALONG THE GROUND TO REMOTE IGNITION SITES. CONTENTS ARE UNDER PRESSURE. KEEP COOL. EXPOSURE TO HEAT OR SUNLIGHT MAY CAUSE CANS TO BURST AND PROPEL CONTENTS. WATER FROM FOG NOZZLES MAY BE HELPFUL IN COOLING UNRUPTURED CONTAINERS TO PREVENT PRESSURE BUILD-UP.

SECTION V - REACTIVITY DATA**STABILITY:**

STABLE

CONDITIONS TO AVOID:

DO NOT STORE ABOVE 120°F, INCINERATE, OR PUNCTURE.

INCOMPATIBILITY (MATERIALS TO AVOID):

STRONG OXIDIZING AGENTS, STRONG ACIDS AND BASES, SELECTED AMINES.

HAZARDOUS DECOMPOSITION OR BYPRODUCTS:

MAY EMIT FUMES WHEN HEATED TO DECOMPOSITION. MAY EMIT CARBON MONOXIDE, CARBON DIOXIDE, UNIDENTIFIED ORGANIC COMPOUNDS.

HAZARDOUS POLYMERIZATION:

WILL NOT OCCUR.

FJH BRANDS

MATERIAL SAFETY DATA SHEET**SECTION VI - HEALTH HAZARD DATA****INHALATION HEALTH RISKS AND SYMPTOMS OF EXPOSURE**

MAY CAUSE NOSE AND THROAT IRRITATION. MAY CAUSE SYSTEM DEPRESSION CHARACTERIZED BY THE FOLLOWING PROGRESSIVE STEPS: HEADACHE, DIZZINESS, NAUSEA, STAGGERING GAIT, LASSITUDE, LOSS OF COORDINATION, CONFUSION, UNCONSCIOUSNESS.

SKIN AND EYE CONTACT HEALTH RISKS AND SYMPTOMS OF EXPOSURE

MAY CAUSE IRRITATION OR BURNING OF THE EYES. REPEATED OR PROLONGED LIQUID CONTACT MAY CAUSE SKIN IRRITATION WITH DISCOMFORT AND DERMATITIS. EYE WATERING, HEADACHES, NAUSEA, DIZZINESS, ETC. ARE SIGNS THAT SOLVENT LEVELS ARE TOO HIGH.

SKIN ABSORPTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE

SEE INHALATION. ORGANIC SOLVENTS ARE EASILY ABSORBED. DRY SKIN, REDNESS, OR DERMATITIS DUE TO THE DEFATTING ACTION OF SOLVENTS ARE SIGNS OF EXPOSURE.

INGESTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE

SEE INHALATION. MAY ALSO RESULT IN GASTRO-INTESTINAL DISTRESS. THERE IS A DANGER OF PETROLEUM DISTILLATES ENTERING THE LUNG IF SWALLOWED OR VOMITED AND CAUSING INFLAMMATION, DAMAGE OR EVEN DEATH.

HEALTH HAZARDS (ACUTE AND CHRONIC)

REPORTS HAVE ASSOCIATED REPEATED AND PROLONGED OVEREXPOSURE TO SOLVENT WITH PERMANENT BRAIN AND NERVOUS SYSTEM DAMAGE. LABORATORY STUDIES WITH RATS HAVE SHOWN THAT PETROLEUM DISTILLATES CAUSE KIDNEY DAMAGE AND KIDNEY OR LIVER TUMORS. THESE EFFECTS WERE NOT SEEN IN SIMILAR STUDIES WITH GUINEA PIGS, DOGS OR MONKEYS. SEVERAL STUDIES EVALUATING PETROLEUM WORKERS HAVE NOT SHOWN A SIGNIFICANT INCREASE OF KIDNEY DAMAGE OR AN INCREASE IN KIDNEY OR LIVER TUMORS.

CARCINOGENICITY: NTP: NO IARC MONOGRAPHS: NO OSHA REGULATED: NO

WARNING: This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE:

PRE-EXISTING EYE, SKIN, AND RESPIRATORY DISORDERS MAY BE AGGRAVATED BY EXPOSURE TO THIS PRODUCT.

EMERGENCY AND FIRST AID PROCEDURES:

INHALATION: REMOVE TO FRESH AIR. IF NOT BREATHING, GIVE ARTIFICIAL RESPIRATION, PREFERABLY MOUTH-TO-MOUTH, CALL DOCTOR.

EYE: IN CASE OF EYE CONTACT, IMMEDIATELY FLUSH WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES; CALL A PHYSICIAN.

SKIN: IN CASE OF SKIN CONTACT, WASH SKIN WITH SOAP AND WATER. IF IRRITATION OCCURS, CONTACT A PHYSICIAN.

INGESTION: FOR INGESTION, CALL PHYSICIAN IMMEDIATELY. HAVE NAMES OF HAZARDOUS INGREDIENTS READY. DO NOT INDUCE VOMITING, KEEP HEAD LOWER THAN WAIST. ASPIRATION OF VOMITUS MAY RESULT IN CHEMICAL PNEUMONITIS AND/OR PULMONARY EDEMA.

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PJH BRANDS

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(15-22) 04/22/93