

MATERIAL SAFETY DATA SHEET

Company Name: PLANNED PRODUCTS
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City / State / Zip: LONGMONT / CO / 80503
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Vendor Update: 10/3/2003
Date Prepared: 11/5/2003
MSDS Number: 2100RK ;

I. CHEMICAL PRODUCT IDENTIFICATION

Product Name: REAR WINDOW GRID REPAIR KIT
HMIS Ratings:

Health: Moderate(2)
 Flammability: Serious(3)
 Instability/Reactivity: Slight(1)
 Personal Protective Equipment: B

NFPA Ratings:

II. COMPOSITION, INFORMATION ON INGREDIENTS

Chemical Ingredients	C.A.S. Number	% By Weight	ACGIH TLV TWA/STEL	OSHA PEL TWA/STEL	Other TWA/STEL	LD50	LC50
SILVER (METALLIC)	7740-22-4	45 - 75	.1 MG/M ³	0.01		NOT APPLICABLE	NOT APPLICABLE
Notes	LEL: NOT APPLICABLE						
BUTYL ACETATE	123-86-4	5 - 20	710 MG/M ³	710; 150 PPM		RAT (ORAL) : 14	RAT, INHALATION: 2,000 PPM
Notes	LEL: 1.7						
PROPYLENE GLYCOL METHYL ETHER ACETATE	108-65-6	5 - 20				RAT (ORAL) : 8.5-10	RAT, INHALATION: >4,300 PPM
Notes							
ACRYLIC RESIN	TRADE SECRET	5 - 20					
Notes							
PROPRIETARY INGREDIENTS	TRADE SECRET	1 - 10					
Notes							
Other:	THRESHOLD LIMIT OF 100 PPM OR LESS IS RECOMMENDED.						

III. HAZARDS IDENTIFICATION PRIMARY ROUTE OF ENTRY

Eyes: VAPORS MAY IRRITATE EYES. LIQUID IS IRRITATING AND POTENTIALLY DAMAGING.

Skin: LIQUID MAY IRRITATE AND DRY SKIN.

Ingestion: MAY CAUSE NAUSEA, VOMITING, COLIC, DIARRHEA, BURNING SENSATION IN EPIGASTRIUM, HEADACHE, WEAKNESS, DROWSINESS, LIVER AND KIDNEY DAMAGE. DO NOT INGEST.

Inhalation: MAY CAUSE HEADACHE, NAUSEA, DIZZINESS, AND POSSIBLE LOSS OF CONSCIOUSNESS.

Medical Conditions Aggravated by Exposure:

IV. FIRST AID MEASURES

Eyes:	IMMEDIATELY FLUSH WITH LARGE AMOUNTS OF WATER AND CONTINUE FOR 15 MINUTES.
Skin:	REMOVE CONTAMINATED CLOTHING AND WASH SKIN WITH SOAP AND WATER.
Ingestion:	GIVE TWO OR MORE GLASSES OF WATER IMMEDIATELY. DO NOT INDUCE VOMITING. CALL PHYSICIAN.
Inhalation:	REMOVE TO FRESH AIR. IF BREATHING IS DIFFICULT GIVE OXYGEN.

V. FIRE FIGHTING MEASURES

Flash Point:	76°F
Test Method:	TAG (BUTYL ACETATE) LOWEST FLASHING COMPONENT
Lower Flammability Limit:	1.5 *
Upper Flammability Limit:	10 (% VOL. IN AIR)
Extinguishing Agents:	WATER FOAM, ALCOHOL FOAM, CARBON DIOXIDE (CO ₂), DRY CHEMICAL, WATER SPRAY. WATER MAY NOT BE EFFECTIVE IN FIGHTING FIRE.
Unusual Fire or Explosion Hazards:	SOLVENT VAPORS ARE AN EXPLOSIVE HAZARD. KEEP MATERIAL AWAY FROM ALL SOURCES OF IGNITION, EXTREME HEAT, SPARKS OR OPEN FLAME.
Fire Fighting Procedures:	NONE
Other:	* LEL: SILVER (METALIC): NOT APPLICABLE BUTYL ACETATE: 1.7 PROPYLENE GLYCOL METHYL ETHER ACETATE: 3.7 ACRYLIC RESIN: NOT APPLICABLE PROPRIETARY INGREDIENTS: NOT APPLICABLE

VI. ACCIDENTAL RELEASE MEASURES

Containment/Cleanup:	REMOVE ALL SOURCE OF IGNITION. (SPARKS, FLAMES, ETC). VENTILATE AREA AND CONTAIN SPILL WITH SAND OR OTHER ABSORBENT MATERIAL. COLLECT SPILL FOR DISPOSAL BY SCOOPING UP LIQUIDS (LARGE SPILLS) AND ABSORBENT MATERIAL. PREVENT MATERIAL FROM ENTERING SEWERS, WATERCOURSES, OR GROUND.
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VII. HANDLING AND STORAGE

Other:	STORE IN A COOL PLACE AWAY FROM OPEN FLAMES.
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VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

Eyes:	PERSONAL PROTECTIVE EQUIPMENT: SAFETY GLASSES ARE RECOMMENDED.
	THOROUGHLY WASH HANDS AFTER USE. AVOID SKIN

Skin:	CONTACT.
Respiratory:	USE IN WELL VENTILATED AREA.
Engineering:	AREA OF USE SHOULD BE WELL VENTILATED.
Other:	WORK PRACTICES: FOLLOW GOOD LABORATORY PRACTICES.

IX. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	RED OR BROWN COLORED LIQUID
Boiling Point:	259 – 284°F
Freezing Point:	NOT APPLICABLE
pH:	NOT APPLICABLE
Solubility in Water:	APPRECIABLE >10%
Specific Gravity:	1.5 – 2.0
Vapor Pressure:	5 – 6 MM @20°C * SEE BELOW ALSO
Vapor Density:	HEAVIER THAN AIR
Volatile Content:	% VOLATILE (WT): 30 – 40%
Other:	VAPOR PRESSURE: BUTYL ACETATE: 8.0 MM HG @20°C PROPYLENE GLYCOL METHYL ETHER ACETATE: 3.7 MM HG @20°C EVAPORATION RATE: FASTER (RELATIVE TO N-BUTYL ACETATE)

X. STABILITY AND REACTIVITY

Stability:	STABLE
Hazardous Polymerization:	WILL NOT OCCUR. MATERIAL IS NOT KNOWN TO POLYMERIZE.
Hazardous Decomposition Products:	CARBON MONOXIDE, CARBON DIOXIDE, OXIDES OF NITROGEN, MONOMERS AND SMOKE.
Incompatible Products:	STRONG OXIDIZERS, ACIDS, BASES, AMINES AND ALKALI CONTAMINATION.
Conditions To Avoid:	HIGH HEAT, SPARKS, OPEN FLAME, STRONG OXIDIZERS.

XI. TOXICOLOGICAL INFORMATION

XII. ECOLOGICAL INFORMATION

Ecotoxicity:

XIII. DISPOSAL CONSIDERATIONS

Disposal Method: DISPOSE OF IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS.

XIV. TRANSPORT INFORMATION

XV. REGULATORY INFORMATION

Supplemental State Compliance

Information:

California:

Chemical SILVER (METALLIC) CAS# 7740-22-4 %Wt. 45 – 75
Chemical BUTYL ACETATE CAS# 123-86-4 %Wt. 5 – 20 Chemical
PROPYLENE GLYCOL METHYL ETHER ACETATE CAS#
108-65-6 %Wt. 5 – 20 Chemical ACRYLIC RESIN CAS# TRADE
SECRET %Wt. 5 – 20 Chemical PROPRIETARY INGREDIENTS CAS#
TRADE SECRET %Wt. 1 – 10

Massachusetts:

Chemical SILVER (METALLIC) CAS# 7740-22-4 %Wt. 45 – 75
Chemical BUTYL ACETATE CAS# 123-86-4 %Wt. 5 – 20 Chemical
PROPYLENE GLYCOL METHYL ETHER ACETATE CAS#
108-65-6 %Wt. 5 – 20 Chemical ACRYLIC RESIN CAS# TRADE
SECRET %Wt. 5 – 20 Chemical PROPRIETARY INGREDIENTS CAS#
TRADE SECRET %Wt. 1 – 10

New Jersey:

Chemical SILVER (METALLIC) CAS# 7740-22-4 %Wt. 45 – 75
Chemical BUTYL ACETATE CAS# 123-86-4 %Wt. 5 – 20 Chemical
PROPYLENE GLYCOL METHYL ETHER ACETATE CAS#
108-65-6 %Wt. 5 – 20 Chemical ACRYLIC RESIN CAS# TRADE
SECRET %Wt. 5 – 20 Chemical PROPRIETARY INGREDIENTS CAS#
TRADE SECRET %Wt. 1 – 10

Pennsylvania:

Chemical SILVER (METALLIC) CAS# 7740-22-4 %Wt. 45 – 75
Chemical BUTYL ACETATE CAS# 123-86-4 %Wt. 5 – 20 Chemical
PROPYLENE GLYCOL METHYL ETHER ACETATE CAS#
108-65-6 %Wt. 5 – 20 Chemical ACRYLIC RESIN CAS# TRADE
SECRET %Wt. 5 – 20 Chemical PROPRIETARY INGREDIENTS CAS#
TRADE SECRET %Wt. 1 – 10

XVI. OTHER INFORMATION

WARRANTY INFORMATION

THIS INFORMATION IS OFFERED IN GOOD FAITH AS TYPICAL VALUES AND NOT AS A PRODUCT SPECIFICATION. NO WARRANTY, EXPRESSED OR IMPLIED, IS HEREBY MADE. THE RECOMMENDED INDUSTRIAL HYGIENE AND SAFE HANDLING PROCEDURES ARE BELIEVED TO BE GENERALLY APPLICABLE. HOWEVER, EACH USER SHOULD REVIEW THESE RECOMMENDATIONS IN THE SPECIFIC CONTEXT OF THE INTENDED USE AND DETERMINE WHETHER THEY ARE APPROPRIATE.