



PLASTI DIP®

MULTI-PURPOSE RUBBER COATING

DESCRIPTION:

PLASTI DIP® is an air dry, synthetic rubber coating that can be easily applied by spraying, brushing or dipping. PLASTI DIP® resists moisture, acids, abrasion, weathering, electrical shock, skidding/slipping, corrosion; coats and gives a comfortable, controlled, color coded grip to all types of tools; lawn and garden, mechanical, electrical, woodworking and masonry. PLASTI DIP® can also be applied to:

Wood: seals and protects from weathering and prevents splinters.

Metal: reduces vibration, deadens sound, prevents corrosion, insulates electrically and from extreme temperatures.

Glass: shatterproofs glass objects (available in clear).

Rope/Fabrics: weatherproofs, prevents rotting and fraying.

Plastics: protects delicate surfaces from scratches.

Rubber: weatherproofs, wear resistant.

Maps: weatherproofs, tear resistant (available in clear).

SPECIFICATIONS:

Solids: (wt.) 24%

Tensile: (ASTM D -638) 3,740psi

Elongation: (ASTM D -638) 430%

Cut resistance: (ASTM D -1044) very good

Stone abrasion: (ASTM D -3170) excellent

Shelf life: 1+ years at 77°F unopened container

Chemical resistance:

acids, alkalines, pollutants: excellent

petroleum: limited

Durometer: shore A (ASTM D -2240) 70

Salt spray: (ASTM B -117) passed 1,000 hours

Weatherability: (ASTM G -53) 3-5 years: PLASTI DIP

7 -10 years: PLASTI DIP U.V. Stable

Temperature use range: -30°F to 200°F.

Viscosity range: 80 - 100 K.U. @ 77°F (+/- 2°F)

Permeability: (ASTM E -96) .03 grains/sq. ft./hr.

Coverage: 30 sq.ft. per gallon at 15 mils

Dielectric: (ASTM D -149) 1,400 v/mil

ALTERNATIVE PRODUCTS:

For a water base alternative see HCFeccs® technical data sheet

SURFACE PREPARATION:

MIX WELL BEFORE USE.

All surfaces to be coated must be free of all oils, grease, dirt, wax and loose rust. A sandblasted or rough surface improves adhesion. Use PLASTI DIP® PRIMER on all metals for best results.

USE ADEQUATE VENTILATION.



Plasti Dip International
3920 Pheasant Ridge Drive
Blaine, MN 55449
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Fax: 763-785-2058

PLASTI DIP.com

SPRAYING: Pressure pot may be used (siphon cup not recommended). Dilute with recommended thinners up to 50% as needed. Gently mix before spraying. Apply wet overlapping coats, holding gun 6" -12" from surface, using a 4"-6" pattern. Allow 10 -20 minutes dry time before applying additional coats to desired thickness.

RECOMMENDED EQUIPMENT AND SETTINGS:

Gun: Binks® model 95
Nozzle: 63B
Needle: 663A
Material: 20 -25psi
Atomization: 15 -25psi
Dilution: as needed
Cap: 63PB (up to 50% dilution) or 66S D (up to 50% dilution) for heavier build up.
Clean up: see recommended thinners.

SPRAYING: Airless equipment may be used. Use as described above.
Tip size: .011 - .019
Pressure: as needed
Dilution: up to 50%

DIPPING: Dilute with recommended thinners up to 25% as needed. Gently mix before each use. Do not introduce air bubbles. Insert item 1" every 5 seconds. Remove at same rate. Allow 30 -40 minutes (dry to the touch) dry time before applying additional coats to desired thickness.

BRUSHING: Dilute with recommended thinners up to 25% as needed. Gently mix before each use. Apply wet overlapping coats using a soft natural bristle brush. Allow 10 -20 minutes (dry to the touch) dry time before applying additional coats to desired thickness.

HINTS:

Recommended thinners: PLASTI DIP ® THINNER, Toluene or VM&P Naphtha. A dry film thickness of 12 -15 mils is recommended for best results. Approximate dry mil thickness per coat, dipping 6 -8 mils; brushing 4-5 mils; spraying 2-5 mils. **Allow 4 hours dry time per coat before use.** Allow overnight drying whenever possible. When using a dip tank, allow 6" minimum from fluid surface to tank top to avoid "skinning over". Avoid excessive air movement, heat or humidity. Always use proper ventilation and protection.

ADDITIONAL APPLICATION IDEAS

- | | |
|---|-----------------------------|
| Transformers | Cables / Straps |
| Rope | Wood |
| Joy Sticks | Circuit Boards |
| Electrical Boxes placed on the ground | Magnets |
| Stove/Oven handles | Fabric |
| LaCrosse Sticks/Nets | Astro Turf |
| Food Grade Barrels | Crutch Handles |
| Control Boxes | Relay Electric Wench |
| Metal Grates | Sharp edges |
| Pumps | Hand Tools |
| Valves / Actuators | Curtains |
| Pulleys & Rings | Clips |
| Poles | Glass |
| Underground tanks | Pipes |
| Hardware & Metal surfaces to prevent electrical discharge & sparks | |

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MATERIAL SAFETY DATA SHEET

NOTE: BLANK SPACES ARE NOT PERMITTED. IF ANY ITEM IS NOT APPLICABLE, THE SPACE MUST BE MARKED TO INDICATE THAT.					
IDENTITY (As shown on Label or package) PLASTI DIP F698, F819, F820				PART NO. IF APPLICABLE	
SECTION I					
MANUFACTURER'S NAME Plasti Dip International, Inc.				EMERGENCY PHONE No. 1-800-424-9300	
ADDRESS (NUMBER, STREET, CITY, STATE AND ZIP CODE) 3920 Pheasant Ridge Drive				REVISION #	
Blaine, MN 55449				MANUFACTURER'S PHONE No. FOR INFORMATION 1-763-785-2156	
				DATE MSDS WAS PREPARED June 26, 2014	
SECTION II - HAZARDOUS INGREDIENTS INFORMATION. All Health Hazards which comprise 1% or greater of the composition and all carcinogens if 0.1% of the composition or greater.					
HAZARDOUS COMPONENTS CHEMICAL and IDENTITY AND COMMON NAME (S)	% Wt. (OPTIONAL)	CAS NO.	OSHA PEL	ACGIH TLV	OTHER LIMITS RECOMMEND
VM&P Naphtha	32-38	64742-89-8	300 ppm	300 ppm	None
Hexane	16-19	110-54-3	500 ppm	50 ppm	None
Toluene	13-16	108-88-3	200 ppm	50 ppm	None
Methyl Ethyl Ketone	3-7	78-93-3	200 ppm	200 ppm	None
Resins	25-27	N/A	N/A	N/A	None
SECTION III - PHYSICAL / CHEMICAL CHARACTERISTICS					
BOILING POINT 149 - 285°F	SPECIFIC GRAVITY (H₂O =1) 0.79 - 0.83		APPROXIMATE WEIGHT PER GALLON (LBS) 6.60-690		
VAPOR PRESSURE 125 mmHg @ 20°C	VAPOR DENSITY (AIR = 1) Heavier than air		EVAPORATION RATE (BUTYL ACETATE =1) > 1.0		
SOLUBILITY IN WATER Insoluble	% VOLATILE 72-75% VOC LBS./GAL		OTHER (IF ANY) None		
APPEARANCE AND ODOR Various Colors, Honey Like Substance - Characteristic Odor					
SECTION IV-FIRE AND EXPLOSION HAZARD DATA					
FLASH POINT (METHOD USED) -10.0°F TCC	FLAMMABLE LIMITS 0.9 - 11.5		LEL 0.9	UEL 11.5	
EXTINGUISHING MEDIA Carbon Dioxide, Dry Chemical, or Foam					
SPECIAL FIRE FIGHTING PROCEDURES Self contained breathing apparatus with a full face piece, operated in pressure demand or other positive pressure mode.					
UNUSUAL FIRE AND EXPLOSION HAZARDS This material is flammable and may be ignited by heat, sparks, flame or static electricity.					
HAZARDOUS PRODUCTS FORMED BY FIRE OR THERMAL DECOMPOSITION Carbon Dioxide and/or Carbon Monoxide.					
EXPLOSIVE LIMITS (% BY VOLUME IN AIR) 0.9 - 11.5					
SECTION V - OPTIONAL HAZARD RATINGS IDENTIFICATION					
HAZARD RATING 4-EXTREME 3-HIGH 2-MODERATE 1-SLIGHT 0-INSIGNIFICANT **SEE SECTION IV			National Fire Protection Association (NFPA) FIRE <u> 3 </u> REACTIVITY <u> 0 </u> HEALTH <u> 2 </u> SPECIAL HAZARDS <u> None </u>		

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SECTION VI - REACTIVITY AND STABILITY DATA			
STABILITY	UNSTABLE	STABLE X	CONDITIONS TO AVOID None
INCOMPATIBILITY (Materials to Avoid) Strong acids, bases, oxidizing agents, selected amines with alkali metals and halogens.			
HAZARDOUS DECOMPOSITION OR BY PRODUCTS Carbon Monoxide, Carbon Dioxide			
HAZARDOUS POLYMERIZATION	MAY OCCUR WILL NOT OCCUR X	CONDITIONS TO AVOID None	
SECTION VII - HEALTH HAZARD DATA			
ROUTES OF ENTRY	INHALATION? Yes	SKIN? Yes	INGESTION? Yes EYES? Yes
HEALTH HAZARDS	ACUTE X	See Signs and Symptoms of Exposure below.	
	CHRONIC X	Brain and Nervous System Damage (Referred to as solvents or painters syndrome). Drying or Cracking skin.	
CARCINOGENICITY: No			
SIGNS AND SYMPTOMS OF EXPOSURE			
Headache, Dizziness, Drowsiness, Fatigue, Irregular Heartbeat, Skin and Eye Irritation.			
Target Organs: CNS, CVS, PNS, Liver, Kidneys, Lungs, Respiratory System, Skin.			
MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE Pre-existing Heart, Liver, Kidney and Lung disorders.			
EMERGENCY AND FIRST AID PROCEDURES			
Ingestion: Contact Physician or Poison Control Immediately.			
Inhalation: Remove to fresh air. Administer Oxygen or Artificial Respiration if Necessary.			
Eye Contact: Flush with large amounts of water. If irritation persists, contact Physician.			
Skin: Wash with soap and water.			
SECTION VIII - PRECAUTIONS FOR SAFE HANDLING AND USE			
STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED			
Wipe up with floor absorbent. Transfer to hood. Prevent run-off to sewers.			
Eliminate all sources of ignition. Ventilate to maintain exposure below PEL's. Use sand or other material to dam or contain spills. If large spill, notify appropriate state and local agencies.			
WASTE DISPOSAL METHODS Dispose of product in accordance with local, county, state and federal regulations.			
PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE			
Keep away from sparks, flame and heat sources. Do not store above 120°F and use adequate ventilation.			
Avoid inhalation of vapors and contact with liquid product. Use good personal hygiene.			
OTHER PRECAUTIONS			
Keep Container Closed When Not In Use. Containers should be disposed of in an environmentally safe manner in accordance with Governmental Regulations.			
SECTION IX - CONTROL MEASURES			
RESPIRATORY PROTECTION (SPECIFY TYPE) Depending on the Airborne concentration, use a Respirator with appropriate NIOSH approved cartridge or supplied air equipment.		PROTECTIVE GLOVES Impervious	
VENTILATION	LOCAL EXHAUST Supplemental (if needed)	SPECIAL None	
	MECHANICAL (GENERAL) To maintain exposure below PEL's	OTHER None	
EYE PROTECTION Chemical splash goggles or approved eye protection.		OTHER PROTECTIVE CLOTHING OR EQUIPMENT Impervious Clothing/Boots as needed.	
WORK HYGIENIC PRACTICES Wash thoroughly after handling.			
SECTION X - TRANSPORTATION INFORMATION (Optional)			
D.O.T. PROPER SHIPPING NAME Coating Solution (UN 1139)		D.O.T. HAZARD CLASS 3, PG II	
IATA PROPER SHIPPING NAME Coating Solution (UN 1139)		IATA HAZARD CLASS 3, PG II	
DOT EXCEPTION See DOT 49CFR 172.102, New Special Provision 149 AND DOT 49CFR 171.8 FOR CONSUMER COMMODITY, ORM-D			
SECTION XI - 313 SUPPLIER NOTIFICATION			
THIS PRODUCT CONTAINS THE FOLLOWING CHEMICALS SUBJECT TO REPORTING REQUIREMENTS OF SECTION 313 OF THE EMERGENCY PLANNING AND COMMUNITY RIGHT -TO-KNOW ACT OF 1986, 40 CFR 372, (see table on page 1 for CAS # and percent by weight). Hexane, Toluene and Methyl Ethyl Ketone			
WARNING: THIS PRODUCT CONTAINS A CHEMICAL KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER AND BIRTH DEFECTS, OR OTHER REPRODUCTIVE HARM.			

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Prepared By: Mark Kenow

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