



Plasti Dip



It's Like Duct Tape in a Can

Put your trust in the highest quality, flexible rubberized coatings, sealants and adhesives on the market



For Home, Industrial & Manufacturing Solutions

PLASTI DIP® Synthetic Flexible Rubber Coating

Multi-purpose air dry, **synthetic rubber coating** that can be easily applied by spraying, brushing or dipping. Plasti Dip resists moisture, acids, abrasion, corrosion, skidding/slipping and provides a comfortable, controlled grip. Plasti Dip protective coating remains flexible, stretchy and will not become brittle or crack in extreme weather conditions; -30°F to 200°F. Plasti Dip can be applied to anything that paint is applied to and more.

Available in 311 gram Aerosol, 214ml Jr, 250ml, 500ml, 1 litre, 3.78 litre, 18.9 litre. 189 litre drums to order only. UV Formula Available.

USAGE:

<p>Re-create tool handles for improved grip, colour code, protection against electrical shock</p>	<p>Stretchy rubber coating remains flexible when applied to wood, glass, rope, dried floral arrangement, clay, or stone, concrete, ceramic, brick, or anything that paint is applied to</p>	<p>Auto Body shops and automotive applications include steering wheels, metal studs, mounting brackets, battery trays, magnetic, rubber boots, plastic fender flares, rocker panels, manifold parts, tyre irons, clutch and brake levers, speakers, throttle control panels</p>	<p>Animal and outdoor environment applications include underwater acoustics, sharp edges, cable stems, cage floors, underground storage tanks, aquariums, iron bars, cable ties, crank baits, junction boxes, fishing sinkers, solder lugs, lobster and crab traps</p>	<p>Apply to wood, glass, steel, metal, concrete, brick</p>	<p>Use in amusement park, public city works, auto body shops</p>

TECHNICAL INFORMATION:

SPECIFICATIONS:

- Solids: (wt.) 24%
- Durometer: shore A (ASTM D -2240) 70
- Tensile: (ASTM D -638) 3,740psi
- Salt spray: (ASTM B -117) passed 1,000 hours
- Elongation: (ASTM D -638) 430%
- Weatherability: (ASTM G -53) Plasti Dip Non UV 3-5 years.
Plasti Dip UV Stable 7 -10 years:
- Cut resistance: (ASTM D -1044) very good
- Stone abrasion: (ASTM D -3170) excellent
- Temperature use range: -30°F to 200°F
- Shelf life: 1 year at 77°F (25°C)(unopened)
- Viscosity range: 80 - 100 K.U. @ 77 °F (+/- 2°F)
- Chemical resistance:
 - acids, alkalines, pollutants: excellent
 - petroleum: limited
- Coverage: 30 sq.ft. per gallon at 15 mils. An application of Plasti Dip is normally between 6-8mils, so that is two coats. Metric: 3.78litres covers 2.787 sq mtrs at .3810mm
- Permeability: (ASTM E -96) .03 grains/sq. ft./hr
- Dielectric: (ASTM D-149) 1,400v/mil

ALTERNATIVE PRODUCTS:

For a water base alternative see **HCF (Hard Coat Finish)** eccs® 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. (Plasti Dip Primer increases adhesion by up to 400%.)

USE ADEQUATE VENTILATION.

EXCELLENT FOR USE ON:

- Wood/Timber:** 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/Paper/Fabrics:** Weatherproofs, tear resistant (available in clear).

<p>Available Regular Colours:</p> <p>Red Yellow Black Blue Clear White</p>	<p>Tints-All tints available to colour your Plasti Dip</p>
<p>Available Fluorescent Colours: 3.78ltr</p> <p>Red Yellow Pink Orange Green Purple Blue</p>	<p>Phosphorescent</p> <p>Lime Glow-in-the-dark</p>
<p>Custom colours & larger sizes available to order</p>	

PLASTIC DIPS & COATINGS

56 Slade Road, BARDWELL PARK. NSW 2207

Phone: (02) 9599 8858

Fax: (02) 9599 8859

E-mail: sales@plastidip.net.au

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(Colours on this brochure are a representation of the actual colour and may vary)

Australian Authorised Distributor of Performix Range.

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 year at 77°F

Chemical resistance:

acids, alkalines, pollutants: excellent

petroleums: 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.

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

Coverage: 30 sq.ft. per gallon at 15 mils. An application of Plasti Dip is normally between 6-8mils, so that is two coats. Metric: 3.78litres covers 2.787 sq mtrs at .3810mm

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.



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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	

We cannot anticipate all conditions under which this information and our products, or the products of other manufacturers in combination with our products, may be used. We accept no responsibility for results obtained by the applications of this information or the safety and suitability of our products, either alone or in combination with other product combination for their own purposes. Unless otherwise agreed in writing, we sell the products without warranty, and buyers and users assume all responsibility and liability for loss or damage arising from the handling and use of our products whether used alone or in combination with other products. Ever changing V.O.C. regulations in your area may require you to contact local authorities for proper use and/or disposal of this product. Should you need further assistance, please contact PLASTI DIP INTERNATIONAL technical service.

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MATERIAL SAFETY DATA SHEET**Section 1 - Identification of the Preparation and the Company**

Plasti Dip - Rubber Dip F698, F819, F820 and 14.5 Fluid Ounce (429ml)

This product is classified as hazardous according to the criteria of Safe Work Australia.
Classified as a Dangerous Good according to the Australian Dangerous Goods Code (ADG).

Uses: Coating

Address:

Plastic Dips & Coatings
56 Slade Road
Bardwell Park
New South Wales 2207

Telephone:

Tel: (02) 9599 8858
Fax: (02) 9599 8859

Emergency Tel: 0427 974 344

Section 2 – Hazards Identification**DANGER**

Flame



Exclamation Mark



Health



Environment

Hazard Statements

Flammable Liquid 2

Specific Target Organ Toxicity Single Exposure 3

Specific Target Organ Toxicity Repeated Exposure 2,

Skin Irritant. 2

Eye Irritant 2

Aspiration Toxicity 1

Mutagen 1B

Carcinogen 1B

Reproductive 2

Aquatic Chronic 2

H225: Highly flammable liquid and vapour

H315: Causes skin irritation,

H336: May cause drowsiness or dizziness

H373: May cause damage to organs (liver and kidneys) through prolonged or repeated exposure

H315: Causes skin irritation

H319: Causes serious eye irritation

H304: May be fatal if swallowed and enters airways

H340: May cause genetic defects

H350: May cause cancer

H361: Suspected of damaging the unborn child

H411: Toxic to aquatic life with long lasting effects

Prevention

P101 If medical advice is needed, have product container or label at hand

P102 Keep out of reach of children

P202 Do not handle until all safety precautions have been read and understood

P210 Keep away from flames and hot surfaces – No smoking

P260 Do not breathe vapours

P264 Wash hands thoroughly after handling

P270 Do not eat, drink or smoke when using this product

P271 Use only outdoors or in a well-ventilated area.

P280 Wear protective gloves/eye protection/face protection See Section 8.

Response

P301 + P310 IF SWALLOWED: Immediately call a POISON CENTRE or doctor/physician.

P302 + P352 IF ON SKIN: Wash with plenty of soap and water

P304 + P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing

P305 + P313 + P351 + P337 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention

P308 + P313 If exposed or concerned: Get medical advice/attention

P330 Rinse mouth

P331 Do not induce vomiting

P370 + P378 In case of fire: Use carbon dioxide, dry chemical or foam for extinction

Storage

P403 + P405 + P233 + P235 Store locked up, in a well-ventilated place. Keep container tightly closed. Keep cool

Disposal

P501 Dispose of contents/container to approved landfill

Section 2 - Composition/Information on Ingredients

Ingredient(s)	CAS-number	%wt
VM & P Naphtha	64742-89-8	30 - 40
Hexane	110-54-3	10 - 20
Toluene	108-88-3	10 - 20
Methyl ethyl ketone	78-93-3	<10
Resins	Not available	20 - 30

Section 4 – First Aid Measures**Ingestion:**

NEVER GIVE AN UNCONSCIOUS PERSON ANYTHING TO DRINK NOR ATTEMPT TO INDUCE VOMITING. If the person is conscious, rinse mouth out with water ensuring that mouthwash is not swallowed. Give about 250mL (2 glasses) of water to drink. DO NOT attempt to induce vomiting. Seek URGENT medical attention. For advice, contact a Poisons Information Centre (phone e.g. Australia 131 126; New Zealand 0800 764 766).

Inhalation:

Remove to fresh air. Keep warm and at rest. If breathing is laboured, hold in a half upright position (this assists respiration). Apply artificial respiration if breathing has stopped. Seek URGENT medical attention for all but the most minor cases of over-exposure.

Eye Contact:

If in eyes, IMMEDIATELY hold eyelids apart and flush the eye continuously with running water. Seek medical attention. Continue flushing until advised to stop by the Poisons Information Centre or a doctor, or for at least 15 minutes.

Skin Contact:

Remove contaminated clothing. Rinse the affected area with water then wash thoroughly with soap and water. Use water alone, if soap is unavailable. Seek medical attention if any soreness or inflammation of the skin persists or develops later. Launder affected clothing before re-use.

Advice to Doctor:

Treat symptomatically

Section 5 – Fire Fighting Measures

Highly flammable. Keep away from sources of ignition such as open flames, sparks, hot surfaces or burning cigarettes. Sealed containers may explode if heated.

In case of fire, wear self-contained breathing apparatus. If possible remove containers from the vicinity of the fire. Otherwise keep containers as cool as possible by spraying with water, from a protected position.

Extinguish using carbon dioxide, dry chemical or foam. Water jets are not suitable for fire fighting

Section 6 – Accidental Release Measures

Eliminate ignition sources. Vapours are heavier than air and may travel considerable distances to sources of ignition. Wear protective equipment as specified for handling. Increase the ventilation if it is possible to do so. Prevent entry into waterways. Cover with an absorbent such as earth, sand or a commercial oil absorber. Sweep up and collect. Leave to stand in a well-ventilated (preferably outdoor) area where the solvent can evaporate safely. Dispose of residue to approved landfill.

Section 7 – Handling and Storage

Storage:

Store in a flammable liquids area, out of direct sunlight in a cool well ventilated area. Higher temperatures may cause pressure build up inside containers. Protect containers against physical damage.

Handling:

Vapours are heavier than air and may spread along floors. Vapours may form explosive mixtures with air. Provide adequate ventilation. Avoid vapour concentrations above the exposure standards. Avoid inhalation of vapour and spray mist. Avoid skin and eye contact. Keep away from sources of ignition – No smoking. For Personal Protective Equipment (PPE), see Section 8.

Section 8 – Exposure Controls/Personal Protection

Exposure standards: Exposure standards have not been allocated to this product. Information for the ingredients is:

VM&P Naphtha	None allocated
n-Hexane	TWA: 20 ppm, 72 mg/m ³
Hexane other isomers	TWA: 500 ppm, 1,760 mg/m ³ STEL: 1,000 ppm, 3,500 mg/m ³
Toluene	TWA: 50 ppm, 191 mg/m ³ STEL: 150 ppm, 574 mg/m ³
Methyl Ethyl Ketone	TWA: 150 ppm, 445 mg/m ³ STEL: 300 ppm, 890 mg/m ³

Exposure standards represent airborne concentrations of individual chemical substances, which according to current knowledge, should neither impair the health nor cause undue discomfort to nearly all workers. Exposure standard may be a time-weighted average (TWA), a short-term exposure limit (STEL) or a peak level.

Engineering Controls:

Product may generate high vapour levels in confined or poorly ventilated areas.

Ventilation requirements depend on the quantity of product in use. General (mechanical) ventilation may be adequate for minor use but ventilation must be sufficient to maintain vapour levels below the appropriate exposure standard and fan forced or local exhaust ventilation may be required if using large amounts of this product in a poorly ventilated area.

Personal Protection:

Safety glasses and PVC, neoprene, nitrile or butyl rubber gloves should be worn, if necessary to prevent skin contact. A half face respirator with organic solvent vapour filter may be required in poorly ventilated conditions. In confined spaces use air supplied breathing apparatus. N.B. TAKE THE LIMITS OF ABSORPTION CAPACITY INTO ACCOUNT. CHANGE FILTERS REGULARLY.

Section 9 – Physical and Chemical Properties

Appearance: Various colours, honey like liquid with a characteristic odour

Specific gravity (H₂O = 1): 0.79 – 0.83

Boiling Point: 65 - 140°C

Solubility in Water: Insoluble

Vapour Pressure: 125mmHg @ 20°C

Vapour density (Air = 1): Heavier than air.

Flash Point: -23°C Method) TCC

Explosive limits (% By Volume in Air): 0.9 – 11.5

% Volatile: 72 - 75

Section 10 – Stability and Reactivity

Stable under recommended storage and handling conditions (refer to Section 7).

If heated to decomposition or burned, the product may generate carbon monoxide, carbon dioxide, oxides of nitrogen and smoke.

Keep away from oxidising agents, strongly alkaline and acidic materials.

Section 11 – Toxicological Information

Symptoms of Exposure:

Exposure to solvent vapour concentrations in excess of the relevant exposure standards (see Section 8) may result in adverse health effects. Symptoms of over exposure include headache, drowsiness, fatigue, dizziness and in extreme cases, loss of consciousness. Prolonged contact may result in absorption through the skin.

Chronic Health Effects

Chronic exposure may result in damage to the liver, kidneys and central nervous system. Prolonged contact with skin may result in dermatitis.

VM&P Naphtha is listed by the Safe Work Australia as a category 2 Carcinogen i.e. probably carcinogenic to humans. However, adverse health effects are a result of prolonged and repeated over-exposure and this product should pose no serious health risk if the precautions listed in this SDS are followed.
Product is inert and non-toxic when cured.

Section 12 – Ecological Information

Environmental Fate:

Resin may persist in the environment. However, the product is expected to exist predominantly in the vapour phase and will be rapidly degraded in the atmosphere by reaction with photochemically produced hydroxyl radicals. It is expected to have high mobility in soil and volatilization from moist soil surfaces is expected to be an important fate process.

Potential to Bioaccumulate:

Negligible for solvent.

Section 13 – Disposal Considerations

Dispose by controlled incineration or to approved landfill.

Section 14 – Transport Information

Proper Shipping Name: COATING SOLUTION

UN Number: 1139

Class: 3

Packing Group: II

Hazchem Code: 3(Y)E

Class 3 Flammable Liquids should not be transported or stored with goods of:

- Class 1 Explosives
- Class 2.1 Flammable Gases (where both flammable liquids and flammable gases are in bulk)
- Class 2.3 Poisonous Gases
- Class 4.2 Spontaneously Combustible Substances
- Class 5.1 Oxidising Agents
- Class 5.2 Organic Peroxides
- Class 7 Radioactive Substances

Section 15 – Regulatory Information

Product is a schedule 5 Poison according to the requirements of the Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP).

All ingredients are listed on the Australian Inventory of Chemical Substances (AICS).

Section 16 – Other Information

User should verify applicability of this data sheet if more than 5 years old.

The information provided herein is based on data considered accurate. No warranty is expressed or implied regarding the accuracy of the data or the results obtained from its use. Since the information contained herein may be applied under conditions beyond the vendors control and since subsequent data may suggest modification of the information, vendor assumes no responsibility for the results of its use.

Date of Issue: 6th July 2012

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MATERIAL SAFETY DATA SHEET**Section 1 - Identification of the Preparation and the Company**

PLASTI DIP SPRAY (ALL COLORS)

This product is classified as hazardous according to the criteria of Safe Work Australia.
Classified as a Dangerous Good according to the Australian Dangerous Goods Code (ADG).

Uses: Coating

Address:

Plastic Dips & Coatings
56 Slade Road
Bardwell Park
New South Wales 2207

Telephone:

Tel: (02) 9599 8858
Fax: (02) 9599 8859

Emergency Tel: 0427 974 344

Section 2 – Hazards Identification**DANGER**

Flame



Exclamation Mark



Health



Environment

Hazard Statements

Flammable Liquid 2
Acute Toxicity 4

Skin Irritant 2
Specific Target Organ Toxicity Single Exposure 3
Eye Irritant 2
Aspiration Toxicity 1
Mutagen 1B
Carcinogen 1B
Aquatic Acute 1
Aquatic Chronic 1

H222 Extremely flammable aerosol
H312: Harmful in contact with skin
H332: Harmful if inhaled
H315: Causes skin irritation,
H336: May cause drowsiness or dizziness
H319: Causes serious eye irritation
H304: May be fatal if swallowed and enters airways
H340: May cause genetic defects
H350: May cause cancer
H400: Very toxic to aquatic life
H410: Very toxic to aquatic life with long lasting effects

Precautionary Statements**Prevention**

P101 If medical advice is needed, have product container or label at hand
P102 Keep out of reach of children
P202 Do not handle until all safety precautions have been read and understood
P210 Keep away from flames and hot surfaces – No smoking
P211 Do not spray on an open flame or other ignition source
P251 Pressurized container: Do not pierce or burn, even after use.
P260 Do not breathe vapours
P264 Wash hands thoroughly after handling
P270 Do not eat, drink or smoke when using this product
P271 Use only outdoors or in a well-ventilated area.
P280 Wear protective gloves/eye protection/face protection See Section 8.

Response

P302 + P352 IF ON SKIN: Wash with plenty of soap and water
P304 + P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing
P305 + P313 + P351 + P337 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention
P312 Call a POISON CENTRE or doctor/physician if you feel unwell
P370 + P378 In case of fire: Use carbon dioxide, dry chemical or foam for extinction

Storage

P410 + P412 Protect from sunlight. Do not expose to temperatures exceeding 50°C / 122°F

Disposal

P501 Dispose of contents/container to approved landfill

Section 3 - Composition/Information on Ingredients

Ingredient(s)	CAS-number	%wt
Propane	74-98-6	20 - 30
VM & P Naphtha	64742-89-8	20 - 30
Heptanes, Branched, Cyclic and Linear containing 1-4% n-heptane	142-82-5	10 - 20
n-Butane	106-97-8	5 -10
Xylene	108-88-3	5 -10
Methyl ethyl ketone	78-93-3	<5
Methyl n-amyl ketone	110-43-0	<5
Ethylbenzene	100-41-4	<5
Carbon black (black only)	1338-86-4	<1

Section 4 – First Aid Measures**Ingestion:**

Unlikely to occur considering the packaging of the product but if swallowed NEVER GIVE AN UNCONSCIOUS PERSON ANYTHING TO DRINK NOR ATTEMPT TO INDUCE VOMITING. If the person is conscious, rinse mouth out with water ensuring that mouthwash is not swallowed. Give about 250mL (2 glasses) of water to drink. DO NOT attempt to induce vomiting. Seek URGENT medical attention. For advice, contact a Poisons Information Centre (phone eg Australia 131 126; New Zealand 0800 764 766).

Inhalation:

Remove to fresh air. Keep warm and at rest. If breathing is laboured, hold in a half upright position (this assists respiration). Apply artificial respiration if breathing has stopped. Seek URGENT medical attention for all but the most minor cases of over-exposure.

Eye Contact:

If in eyes, IMMEDIATELY hold eyelids apart and flush the eye continuously with running water. Seek medical attention. Continue flushing until advised to stop by the Poisons Information Centre or a doctor, or for at least 15 minutes.

Skin Contact:

Remove contaminated clothing. Rinse the affected area with water then wash thoroughly with soap and water. Use water alone, if soap is unavailable. Seek medical attention if any soreness or inflammation of the skin persists or develops later. Launder affected clothing before re-use.

Advice to Doctor:

Treat symptomatically

Section 5 – Fire Fighting Measures

Aerosol with highly flammable contents. Do not spray near sources of ignition such as open flames, sparks, hot surfaces or burning cigarettes. Aerosol cans may exploded if heated above 54 degrees Celsius.

In case of fire, wear self-contained breathing apparatus. If possible remove containers from the vicinity of the fire. Otherwise keep containers as cool as possible by spraying with water, from a protected position.

Extinguish using carbon dioxide, dry chemical or foam. Water jets are not suitable for fire fighting

Section 6 – Accidental Release Measures

Eliminate ignition sources. Vapours are heavier than air and may travel considerable distances to sources of ignition. Wear protective equipment as specified for handling. Wipe up with paper towels or similar. Remove leaking aerosols to a well-ventilated (preferably outdoor) area so that the solvent can evaporate safely. Dispose as an empty aerosol container.

Section 7 – Handling and Storage

Storage:

Store out of direct sunlight in a cool well ventilated area. High temperatures may cause pressure build up inside aerosol cans. Protect containers against physical damage.

Handling:

Vapours are heavier than air and may spread along floors. Vapours may form explosive mixtures with air. Provide adequate ventilation. Avoid vapour concentration above the exposure standards. Avoid inhalation of vapour and spray mist. Avoid skin or eye contact. Keep aerosols (either full or empty) away from sources of ignition – No smoking. For Personal Protective Equipment (PPE), see Section 8.

Section 8 – Exposure Controls/Personal Protection

Exposure standards: Exposure standards have not been allocated to this product. Information for the ingredients is:

n-Butane	TWA: 800 ppm, 1,900 mg/m ³
Ethylbenzene	TWA: 100 ppm, 434 mg/m ³ STEL: 125 ppm, 543 mg/m ³
Heptane	TWA: 400 ppm, 1,640 mg/m ³ STEL: 500 ppm, 2,050 mg/m ³
Methyl n-amyl ketone	TWA: 500 ppm, 223 mg/m ³
Methyl ethyl Ketone	TWA: 150 ppm, 445 mg/m ³ STEL: 300 ppm, 890 mg/m ³
Propane	Asphyxiant
VM&P Naphtha	None allocated
Xylene	TWA: 80 ppm, 350 mg/m ³ STEL: 150 ppm, 655 mg/m ³

Exposure standards represent airborne concentrations of individual chemical substances, which according to current knowledge, should neither impair the health nor cause undue discomfort to nearly all workers. Exposure standard may be a time-weighted average (TWA), a short-term exposure limit (STEL) or a peak level.

Engineering Controls:

Aerosols cans may generate high vapour levels. Do not disregard ventilation requirements because of small product size. Ventilation requirements depend on the quantity of product in use. General (mechanical) ventilation is adequate for minor use but ventilation must be sufficient to maintain vapour levels below the appropriate exposure standard and fan forced or local exhaust ventilation may be required if using large amounts of this product in a poorly ventilated area.

Personal Protection:

Safety glasses are adequate for normal use. Avoid spraying onto skin. PVC, neoprene, nitrile or butyl rubber gloves should be worn, if necessary to prevent skin contact. A half face respirator with organic solvent vapour filter may be required in poorly ventilated conditions. In confined spaces use air supplied breathing apparatus. N.B. TAKE THE LIMITS OF ABSORPTION CAPACITY INTO ACCOUNT. CHANGE FILTERS REGULARLY.

Section 9 – Physical and Chemical Properties

Appearance: Various colours, syrupy liquid with a solvent odour

Specific gravity (H₂O = 1): 0.675

Boiling Point: 1 – 140°C

Solubility in Water: Insoluble

Vapour Pressure: 760mmHg @ 20°C

Vapour density (Air = 1): Heavier than air.

Flash Point: -30°C (Method) TCC

Explosive limits (% By Volume in Air): 0.9 – 11.5

% Volatile: 87

Section 10 – Stability and Reactivity

Stable under recommended storage and handling conditions (refer to Section 7).

If heated to decomposition or burned, the product may generate carbon monoxide, carbon dioxide, oxides of nitrogen and smoke.

Keep away from oxidising agents, strongly alkaline and acidic materials.

Section 11 – Toxicological Information

Symptoms of Exposure:

Exposure to solvent vapour concentrations in excess of the relevant exposure standards (see Section 8) may result in adverse health effects. Symptoms of over exposure include headache, drowsiness, fatigue, dizziness and in extreme cases, loss of consciousness. Prolonged contact may result in absorption through the skin.

Chronic Health Effects

Chronic exposure may result in damage to the liver, kidneys and central nervous system. Prolonged contact with skin may result in dermatitis.

VM&P Naphtha is listed by the Safe Work Australia as a category 2 Carcinogen i.e. probably carcinogenic to humans. However, adverse health effects are a result of prolonged and repeated over-exposure and this product should pose no serious health risk if the precautions listed in this SDS are followed.

Product is inert and non-toxic when cured.

Section 12 – Ecological Information

Environmental Fate:

Resin may persist in the environment. Toxic to aquatic organisms. However, the product is expected to exist predominantly in the vapour phase and will be rapidly degraded in the atmosphere by reaction with photochemically produced hydroxyl radicals. It is expected to have high mobility in soil and volatilization from moist soil surfaces is expected to be an important fate process.

Potential to Bioaccumulate:

Negligible for solvent.

Section 13 – Disposal Considerations

DO NOT puncture or incinerate empty aerosol containers. Dispose to approved landfill. However, do not dispose to waste that is likely to be incinerated.

Section 14 – Transport Information

Proper Shipping Name: AEROSOLS FLAMMABLE

UN Number: 1950

Class: 2.1

Packing Group: Not Applicable

Hazchem Code: 3(Y)E

Class 2.1 Flammable Gases should not be transported or stored with goods of:
Class 1 Explosives
Class 3 Flammable Liquids (where both flammable liquids and flammable gases are in bulk)
Class 4.1 Flammable Solids
Class 4.2 Spontaneously Combustible Substances
Class 4.3 Dangerous When Wet Substances
Class 5.1 Oxidising Agents
Class 5.2 Organic Peroxides
Class 7 Radioactive Substances

Section 15 – Regulatory Information

Product is a schedule 5 Poison according to the requirements of the Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP).

All ingredients are listed on the Australian Inventory of Chemical Substances (AICS).

Section 16 – Other Information

User should verify applicability of this data sheet if more than 5 years old.

The information provided herein is based on data considered accurate. No warranty is expressed or implied regarding the accuracy of the data or the results obtained from its use. Since the information contained herein may be applied under conditions beyond the vendors control and since subsequent data may suggest modification of the information, vendor assumes no responsibility for the results of its use.

Date of Issue: 6th July 2012

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PLASTI DIP AND LIQUID TAPE ELECTRICAL CHEMICAL AND SOLVENT RECOMMENDATIONS

AUTOMOTIVE

PROTECTION AGAINST	RECOMMENDATION
Motor Oil	Not recommended
Engine Coolant	Although product offers some protection, film will soften
Gasoline	Not recommended
Washer Fluid	Excellent choice
Grease	Although product offers some protection, film will soften
Axle Lubricant	Although product offers some protection, film will soften
Brake Fluid	Although product offers some protection, film will soften
Battery Acid	Excellent choice
Highway Salt-Water	Excellent choice
Manure or Urine	Excellent choice
Truck and Car Chassis	Excellent choice (frame, wheels and motor)

HOUSHOLD

PROTECTION AGAINST	RECOMMENDATION
Chlorine (Bleach) Solution	Excellent choice
Detergent Solution	Excellent choice
Ammonia Solution	Excellent choice
Salt-Water	Excellent choice
Animal Waste and Urine	Excellent choice
Kerosene / Oils	Not recommended
Drain Cleaners	Excellent choice
Turpentine	Not recommended

INDUSTRIAL

PROTECTION AGAINST	RECOMMENDATION
Chlorinated Solvents	Not recommended
Ketones	Not recommended
Alcohols	Although product offers some protection, film will soften
Acids Used in Plating	Excellent choice
Acids Used in Etching Glass	Excellent choice
Caustics Used in Metal Treatment	Excellent choice
Caustics Used Commercially	Excellent choice

**TEST RESULTS CONCERNING PLASTI DIP & LIQUID TAPE
ELECTRICAL CHEMICAL RESISTANCE**

<u>CHEMICALS USED</u>	<u>STRENGTH</u>	<u>TEMPERATURE</u>	<u>RESISTANCE</u>
Ferric Chloride	100%	150 degrees F	Slight staining and softness of film
H2SO4	5%	100 degrees F	Pass
Potassium Hydroxide	3%	150 degrees F	Pass
Potassium Permanganate	3%	150 degrees F	Film stable – noticed staining
Sodium Hydroxide	10%	210 degrees F.	Noticed softness of film
Hydrochloric Acid	100%	Room Temp	Pass
Oxalic Acid	50%	Room Temp	Film stable in chemical / water solution
Fluoroboric Acid	25%	Room Temp	Pass
Tin/Lead – salt plating solution	100%	Room Temp	Pass
Copper – salt plating solution	100%	Room Temp	Pass
Gold Cyanide – plating solution	100%	140 degrees F.	Pass
Sodium Carbonate	10%	210 degrees F.	Pass
Sodium Hydroxide	10%	120 degrees F.	Noticed softness of film
Ammonia Hydroxide	100%	100 degrees F	Pass
Methyl Ethyl Ketone	100%	Room Temp	Fail
Ethyl Alcohol	100%	Room Temp	Pass

APRIL 2002