

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

LIQUID TAPE (F825) and PLASTI DIP JR. 7.25 FL. OZ. (F-846, 847)

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

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Section 2 – Hazards Identification**DANGER**

Flame



Exclamation Mark



Health



Environment

Hazard Statements

Flammable Liquid 2
Acute Toxicity 4

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

H225: Highly flammable liquid and vapour
H332: Harmful if inhaled
H312: Harmful in contact with the skin
H336: May cause drowsiness or dizziness
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
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
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 3 - Composition/Information on Ingredients

Ingredient(s)	CAS-number	%wt
VM & P Naphtha	64742-89-8	30 - 40
Heptanes, Branched, Cyclic and Linear containing 1-4% n-heptane	142-82-5	426260-76-6
Xylene	108-88-3	10 - 20
Methyl ethyl ketone	78-93-3	<10
Ethylbenzene	100-41-4	<5

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
Heptane	TWA: 400 ppm, 1,640 mg/m ³ STEL: 500 ppm, 2,050 mg/m ³
Xylene	TWA: 80 ppm, 350 mg/m ³ STEL: 150 ppm, 655 mg/m ³
Methyl Ethyl Ketone	TWA: 150 ppm, 445 mg/m ³ STEL: 300 ppm, 890 mg/m ³
Ethylbenzene	TWA: 100 ppm, 434 mg/m ³ STEL: 125 ppm, 543 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: 79 – 141°C

Solubility in Water: Insoluble

Vapour Pressure: 78mmHg @ 20°C

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

Flash Point: -7°C Method) TCC

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

% Volatile: 71 – 74.5

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.
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