



EpiMax SAFETY DATA SHEET

Product Name **EpiMax 900 GLOSS**

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Supplier Name	EPIMAX TECHNOLOGIES PTY LTD
Address	4/3 Moorebank Avenue, Moorebank, NSW, AUSTRALIA, 2170
Telephone	1300 721 522
Fax	(02) 9904 3207
Emergency	1300 721 522
Synonym(s)	900 GLOSS • 9090020 – PRODUCT CODE • SOLVENT BASED POLYURETHANE SYSTEM
Use(s)	FINISH COATING
SDS Date	09/08/18

2. HAZARDS IDENTIFICATION

GHS Classifications	Acute Toxicity- Inhalation (Dust / Mists): Category 4 Skin corrosion / irritation: Category 2 Serious eye damage / eye irritation: Category 2 Respiratory sensitization: Category 1 Skin sensitization: Category 1 Carcinogenicity: Category 1B Specific target organ toxicity (Single Exposure): Category 2 Specific target organ toxicity (repeated exposure): Category 2 Aspiration toxicity: Category 1 Flammable liquids: Category 3
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SIGNAL WORD

DANGER



HAZARD STATEMENTS

H226	Flammable liquid and vapour
H312	Harmful in contact with skin
H332	Harmful if inhaled
H315	Causes skin irritation
H334	May cause allergy or asthma symptoms or breathing difficulties if inhaled
H317	May cause an allergic skin reaction
H336	May cause drowsiness or dizziness

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H304

May be fatal if swallowed and enters airways

PREVENTION STATEMENTS

P210	Keep away from heat/sparks/open flames/hot surfaces. – No smoking
P261	Avoid breathing mist/vapours/spray
P271	Use only outdoors or in a well-ventilated area.
P280	Wear protective gloves/protective clothing/eye protection/face protection
P285	In case of inadequate ventilation wear respiratory protection
P240	Ground/bond container and receiving equipment
P241	Use explosion-proof-electrical/ventilating/lighting/intrinsically safe equipment
P242	Use only non-sparking tools.
P243	Take precautionary measure against static discharge
P273	Avoid release to the environment.
P272	Contaminated work clothing should not be allowed of the workplace.

RESPONSE STATEMENTS

P301+P310	IF SWALLOWED: Immediately call a POISON CENTER or doctor / physician
P304+P340	IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing
P331	Do NOT induce vomiting
P342+P311	If experiencing respiratory symptoms: Call a POISON CENTER or doctor/ physician
P363	Wash contaminated clothing before reuse
P370+P378	In case of fire: Use alcohol resistant foam or a normal protein for extinction
P302+P352	IF OK SKIN: wash with plenty of sap and water/
P312	Call a POISON CENTER or doctor if you feel unwell
P333+P313	If skin irritation or rash occurs: Get medical advice
P303+P361+P353	IF ON SKIN (or hair): Remove / Take off immediately all contaminated clothing. Tins skin with water.

UN No.	1263	DG CLASS	3	Subsidiary Risk(s)	None Allocated
Packing Group	III	Hazchem Code	3[Y]		

3. COMPOSITION / INFORMATION ON INGREDIENTS

Ingredient	Formula	CAS NO.	Content
ISOCYANATE PRE-POLYMER	NOT AVAILABLE	NOT AVAILABLE	30% - 60%
NAPHTHA PETROLEUM, LIGHT AROMATIC SOLVENT	NOT AVAILABLE	64742-95-6	10% - 29%
GLYCOL ETHER	NOT AVAILABLE	54839-24-6	1% - 9%
ISOPHORONE DI-ISOCYANATE	NOT AVAILABLE	4098-71-9	<1%

4. FIRST AID MEASURES

Eye	If in eyes, hold eyelids apart and flush continuously with running water. Continue flushing until advised to stop by a Poisons Information Centre, a doctor, or for at least 15 minutes.
Inhalation	If inhaled, remove from contaminated area. To protect rescuer, use a Type A (Organic vapour) respirator or an Airline respirator (in poorly ventilated areas). Apply artificial respiration if not breathing.
Skin	If skin or hair contact occurs, remove contaminated clothing and flush skin and hair with running water. Continue flushing with water until advised to stop by a Poisons Information Centre or a doctor.

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Ingestion For advice, contact a Poison Information Centre on 13 11 26 (Australia Wide) or a doctor (at once). If swallowed, do not induce vomiting.

Special Treatment Treat symptomatically.

5. FIRE FIGHTING MEASURES

Special Hazards Flammable. May evolve toxic gases (carbon oxides, phenols, hydrocarbons) when heated to decomposition. Eliminate all ignition sources including cigarettes, open flames, spark producing switches/tools, heaters, naked lights, pilot lights, mobile phones etc. when handling. Earth containers when dispensing fluids.

Advice for firefighters Evacuate area and contact emergency services. Toxic gases may be evolved in a fire situation. Remain upwind and notify those downwind of hazard. Wear full protective equipment including Self Contained Breathing Apparatus (SCBA) when combating fire. Use waterfog to cool intact containers and nearby storage areas.

Extinguishing Media Dry agent, carbon dioxide or water fog. Prevent contamination of drains or waterways

Hazchem Code 3[Y]

6. ACCIDENTAL RELEASE MEASURES

Spillage Contact emergency services where appropriate. Use personal protective equipment. Clear area of all unprotected personnel. Ventilate area where possible. Contain spillage, then cover / absorb spill with non-combustible absorbent material (vermiculite, sand, or similar), collect and place in suitable containers for disposal. Eliminate all ignition sources.

7. STORAGE AND HANDLING

Storage Store tightly sealed in a cool, dry, well ventilated area, removed from oxidising agents, acids, alkalis, heat or ignition sources and foodstuffs. Ensure containers are adequately labelled, protected from physical damage and sealed when not in use. Check regularly for leaks or spills. Large storage areas should be bunded and have appropriate fire protection and ventilation systems. Vapours are highly flammable.

Precautions for safe handling Before use carefully read the product label. Use of safe work practices are recommended to avoid eye or skin contact and inhalation. Observe good personal hygiene, including washing hands before eating. Prohibit eating, drinking and smoking in contaminated areas.

8. EXPOSURE CONTROLS / PERSONAL PROTECTIONS**Exposure Stds**

Ingredient	Reference	TWA		STEL	
TOLUENE DIISOCYANATE	SWA (AUS)	--	0.02 mg/m ³	--	0.07mg/m ³

Biological Limits No biological limit allocated.

Engineering Controls Avoid inhalation. Use in well ventilated areas. Where an inhalation risk exists, mechanical extraction ventilation is recommended.

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PPE

Wear splash-proof goggles, nitrile or viton (R) gloves, coveralls and a Type A (Organic vapour) respirator. If sanding dry product, wear: a Class P1 (Particulate) respirator. If spraying, with prolonged use, or if in confined areas, wear: impervious coveralls and an Air-line respirator.



9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	CLEAR LIQUID	Solubility (water)	NOT AVAILABLE
Odour	CHARACTERISTIC AROMATIC	Specific Gravity	0.95
pH	NOT AVAILABLE	% Volatiles	55%
Vapour Pressure	NOT AVAILABLE	Flammability	FLAMMABLE
Vapour Density	NOT AVAILABLE	Flash Point	44°C
Boiling Point	NOT DETERMINED	Upper Explosion Limit	7.0
Melting Point	NOT AVAILABLE	Lower Explosion Limit	1.0
Evaporation Rate	NOT AVAILABLE		
Autoignition Rate	NOT DETERMINED	Decomposition Temperature	NOT AVAILABLE
Partition Coefficient	NOT AVAILABLE	Viscosity	NOT AVAILABLE

10. STABILITY AND REACTIVITY

Chemical Stability	Stable under recommended conditions of storage.
Conditions to avoid	Avoid heat, sparks, open flames and other ignition sources.
Material to avoid	Incompatible with oxidising agents (eg. hypochlorites), acids (eg. nitric acid), alkalis (eg. hydroxides), heat and ignition sources.
Hazardous Decomposition Products	May evolve toxic gases (carbon oxides, phenols, hydrocarbons) when heated to decomposition.
Hazardous Reactions	Hazardous polymerization is not expected to occur.

11. TOXICOLOGICAL INFORMATION

Health hazard summary	This product has the potential to cause adverse health effects with over exposure. Use safe work practices to avoid eye or skin contact and inhalation. May cause sensitisation by skin contact. The cured product is considered non toxic.
Eye	Irritant. Contact may result in irritation, lacrimation, pain, redness and conjunctivitis. May result in burns with prolonged contact.
Inhalation	Over exposure may result in irritation of the nose and throat, with coughing. Due to low vapour pressures, it is not thought to be an inhalation hazard.
Skin	Irritant . Contact may result in irritation, redness, rash and dermatitis. Can cause burns. May cause sensitisation by skin contact.

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Ingestion Irritant. Moderate toxicity. Ingestion may result in nausea, vomiting, abdominal pain, diarrhoea, fatigue, dizziness and unconsciousness.

Toxicity Data There is no toxicological information available for this product.

12. ECOLOGICAL INFORMATION

Other adverse effects Limited ecotoxicity data was available for this product at the time this report was prepared. Ensure appropriate measures are taken to prevent this product from entering the environment.

13. DISPOSAL CONSIDERATIONS

Waste disposal Absorb with sand, vermiculite or similar and dispose of to an approved landfill site. Ensure protective equipment is worn when mixing. Do not seal containers/tins until reaction is complete. Contact the manufacturer for additional information. Prevent contamination of drains or waterways as environmental damage may result.

Legislation Dispose of in accordance with relevant local legislation.

14. TRANSPORT INFORMATION**CLASSIFIED AS A DANGEROUS GOOD THE CRITERIA OF THE ADG CODE**

Shipping Name	FLAMMABLE LIQUID, N.O.S			
UN No.	1263	DG CLASS	3	Subsidiary Risk(s) NONE ALLOCATED
Packing Group	III	Hazchem Code	3[Y]	

IATA

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IMDG

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15. REGULATORY INFORMATION

Poison Schedule Classified as a Schedule 5 (S5) Poison using the criteria in the Standard for the Uniform Scheduling of Drugs and Poisons (SUSDP).

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

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16. OTHER INFORMATION

Additional information WELDING - SANDING - CUTTING DRIED OR CURED PRODUCT: If sanding, cutting or welding dried or cured product, adverse health effects may be avoided by the use of appropriate engineering controls and/or personal protective equipment. If welding, wear a Class P2 (Metal fume) respirator and depending on the nature of the surface being welded, additional protection (eg. for organic vapours/acid gas) may also be required. A Class P1 (Particulate) respirator is recommended if dust is generated.

RESPIRATORS: In general the use of respirators should be limited and engineering controls employed to avoid exposure. If respiratory equipment must be worn ensure correct respirator selection and training is undertaken. Remember that some respirators may be extremely uncomfortable when used for long periods. The use of air powered or air supplied respirators should be considered where prolonged or repeated use is necessary.

ABBREVIATIONS:

ACGIH - American Conference of Industrial Hygienists.

ADG - Australian Dangerous Goods.

BEI - Biological Exposure Indice(s).

CAS# - Chemical Abstract Service number - used to uniquely identify chemical compounds.

CNS - Central Nervous System.

EC No - European Community Number.

HSNO - Hazardous Substances and New Organisms.

IARC - International Agency for Research on Cancer.

mg/m³ - Milligrams per Cubic Metre.

NOS - Not Otherwise Specified.

pH - relates to hydrogen ion concentration using a scale of 0 (high acidic) to 14 (highly alkaline).

PPM - Parts Per Million.

RTECS - Registry of Toxic Effects of Chemical Substances.

STEL - Short Term Exposure Limit.

SWA - Safe Work Australia.

TWA - Time Weighted Average.