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LUXAPOOL®

(PART A – BASE COMPONENT)

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MATERIAL SAFETY DATA SHEET

STATEMENT OF HAZARDOUS NATURE:

Hazardous according to criteria of Worksafe Australia

SECTION 1 - COMPANY AND MATERIAL SPECIFICATION

MANUFACTURER / AGENTS NAME: MONOTEK Pty Ltd. ABN 54 679 277 840

ADDRESS: (Head Office) 2 / 25 Jersey Road, Bayswater. Victoria 3153

TELEPHONE No: (03) 9720 8777 / Free Call -1800 062 301 **FACSIMILE:** (03) 9720 8540

TRADE NAME: LUXAPOOL (PART A - BASE COMPONENT) - COLOURED

USES: RESIN COMPONENT – protective coating for wet environments, food production, swimming pools, ponds & fountains.

SECTION 2 - COMPOSITION INFORMATION / INGREDIENTS

| TECHNICAL NAME: | (CAS No.) | % BY WT. |
|--|---------------|----------|
| EPOXY RESIN | 25085-99-8-83 | 30 - 60% |
| QUARTZ (crystalline silica) | 14808-60-7 | 10 - 30% |
| LIGHT AROMATIC NAPHTHA | 1330-20-7 | 1 - 10% |
| <i>Filler & Pigments (non-hazardous)</i> | | 10 - 30% |
| TITANIUM DIOXIDE | 13463-67-7 | 1 – 25% |
| XYLENE (mixed isomers) | 1330-20-7 | 1-10% |
| NITROETHANE | 79-24-3 | 1 – 10% |

SECTION 3 - PHYSICAL PROPERTIES

SPECIFIC GRAVITY (WATER =1): 1.53 kg/lt **SOLUBILITY IN WATER:** INSOLUBLE

BOILING POINT / MELTING POINT: > 100° C (B.P.)

APPEARANCE AND ODOUR: OPAQUE VISCOUS, COLOURED LIQUID, SOLVENT ODOUR

VAPOUR PRESSURE: 68mm Hg @ 20°C (for Xylene) **VAPOUR DENSITY:** >1 (for Xylene)

SECTION 4 - FLAMMABILITY & EXPLOSIVE PROPERTIES

FLASHPOINT: 40° C (Pensky-Martens ASTM D93 Proc. A)

AUTO-IGNITION TEMPERATURE: NOT DETERMINED

EXTINGUISHING MEDIA:

ALCOHOL RESISTANT FOAM, FOAM, DRY CHEMICAL POWDER & CARBON DIOXIDE

SPECIAL FIRE FIGHTING REQUIREMENTS:

EXTINGUISHING MEDIA - BLANKET FLAMES WITH ONE OF THE ABOVE MEDIA

HAZARDS FROM COMBUSTION – OXIDES OF CARBON, NITROGEN AND OTHER TOXIC FUMES & SMOKE

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SECTION 5 - HEALTH & HAZARD DATA

EFFECTS OF OVER EXPOSURE: (100 ppm - 8 HOUR TIME WEIGHTED AVERAGE)

VAPOUR: IRRITATING TO THE EYES AND MUCOUS MAMBRANES. CAN CAUSE SLIGHT HEADACHE, DIZZINESS AND NAUSEA. ASPIRATION OF LIQUID INTO LUNGS CAN CAUSE SERIOUS (EVEN FATAL) PNEUMONITIS.

CONTACT: CAN CAUSE SKIN IRRITATION AND REPEATED CONTACT MAY CAUSE MILD DERMATITUS IN SENSITIVE PERSONS.

SWALLOWED: MAY CAUSE IRRITATION TO THE MOUTH, THROAT AND DIGESTIVE TRACT. LARGE DOSE MAY CAUSE DROWSINESS AND MAY LEAD TO UNCONCIOUSNESS.

EMERGENCY & FIRST AID PROCEDURES:

VAPOUR: PROVIDE FRESH AIR IF BREATHING IS LABOURED. IF NOT BREATHING, GIVE ARTIFICIAL RESPIRATION. SEEK MEDICAL ADVICE.

CONTACT: REMOVE FROM SKIN WITH SUITABLE SOLVENT BASED HANDCLEANER, FOLLOWED BY A THOROUGH WASHING WITH A MILD SOAP AND FRESH WATER. FOR EYES - FLUSH IMMEDIATELY WITH WATER FOR 15 MINUTES AND SEEK MEDICAL ADVICE. REMOVE ANY CONTAMINATED CLOTHING AND LAUNDRER BEFORE RE-USE.

SWALLOWED: IF POISONING OCCURS, CONTACT DOCTOR OR POISONS INFORMATION CENTER (Ph: 13 1126). IF SWALLOWED **DO NOT** INDUCE VOMITING. GIVE A GLASS OF WATER. IF ANY SUSPICION OF ASPIRATION (EG. DURING VOMITING) OBTAIN MEDICAL ADVICE IMMEDIATELY.

ADVICE TO DOCTOR: TREAT SYMPTOMATICALLY. DUE OF RISK OF ASPIRATION, GASTRIC LAVAGE SHOULD ONLY BE UNDERTAKEN AFTER ENDOTRACHEAL INTUBATION.

PROTECTION FOR FIRST AIDERS: AVOID RISKING YOUR OWN HEALTH AND THAT OF OTHERS THROUGH ADHERENCE TO SAFE PROCEDURES IN ALL TREATMENT SITUATIONS. USE PROTECTIVE EQUIPMENT SUCH AS LATEX GLOVES AND MOUTH PROTECTION.

SECTION 6 - TRANSPORTATION INFORMATION / HAZARDOUS CLASSIFICATION

U.N. NUMBER: 1263

HAZARD CLASS: 3

HAZCHEM CODE: :3Y

PACKING GROUP: III

EPG NUMBER: 3C1

IERG NUMBER: 14

IMO MARINE POLLUTANT: Product is a Marine Pollutant

IMDG UN No: 1263

IMO PROPER SHIPPING NAME: Paint

IMDG HAZARD CLASS: 3

IMDG PACK. GROUP: III

IMDG EMS: F-E S-E

POISONS SCHEDULE: 5

RELEVANT PICTOGRAMS:

Environmental

Exclamation Mark

Flame



SECTION 7 - REACTIVITY DATA

STABILITY: Unstable () Stable (X) **CONDITIONS TO AVOID:** OPEN FLAME, ARC OR SPARKS

HAZARDOUS DECOMPOSITION PRODUCTS: CARBON MONOXIDE, CARBON DIOXIDE

INCOMPATIBLE MATERIALS: STRONG ACIDS, STRONG BASES, STRONG OXIDISING AGENTS, AMINES AND POLYMERISATION INITIATORS.



DPJ COATINGS SYSTEMS

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Product Name: LUXAPOOL® FINISH / Part A

Issued: 12/08/2024

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SECTION 8 - STORAGE / TRANSPORT, SPILL & LEAKAGE CLEAN-UP PROCEDURE

STORAGE & TRANSPORT:

AVOID CONTACT WITH THE FOLLOWING INCOMPATIBLE SUBSTANCES FOR BOTH STORAGE & TRANSPORT - DG. CLASS: 1 (EXPLOSIVES) CLASS 2.3 (POISONOUS GAS) CLASS 4.2 (SPONTANEOUSLY COMBUSTIBLE) CLASS 5.1 (OXIDISING AGENT) CLASS 7 (RADIOACTIVE) OR OTHER FIRE RISK SUBSTANCES.

STORE IN A COOL, WELL VENTILATED AREA AWAY FROM HEAT AND IGNITION SOURCES. DO NOT STORE IN LOW OR ENCLOSED AREAS WHERE VAPOUR CAN BECOME TRAPPED. CONTAINERS SHOULD BE ALWAYS KEPT CLOSED IN STORAGE AND PROPERLY LABELLED. STORE ONLY IN ORIGINAL AND APPROVED CONTAINERS.

STEPS TO TAKE IN CASE MATERIAL RELEASED OR SPILLED:

ELIMINATE ALL SOURCES OF IGNITION. USE ABSORBENT CLEAN UP MATERIALS (SOIL, VERMICULITE, SAND & OTHER INERT MATERIALS.

PREVENT CONTAMINATION OF DRAINS & WATERWAYS.

WASTE DISPOSAL PROCEDURES:

IN SEPARATE CLOSED METAL CONTAINERS IN ACCORDANCE WITH LOCAL REGULATIONS.

SECTION 9 - SPECIAL PROTECTIVE EQUIPMENT / EXPOSURE CONTROLS

RESPIRATORY EQUIPMENT -

SPRAY APPLICATION: APPROPRIATE FILTER CARTRIDGE MASK

IN CONFINED AREAS - TANKS OR AREAS OF POOR AIR CIRCULATION USE AIRLINE OR HOOD TYPE RESPIRATOR (**Qualified & suitably trained personnel ONLY**)

BRUSH & ROLLER: NOT REQUIRED with good ventilation.

VENTILATION REQUIREMENTS: LOCAL EXHAUST

PROTECTIVE GLOVES: NEOPRENE / RUBBER / PVC

EYE PROTECTION: SAFETY GLASSES OR SEALED GOGGLES

OTHER PROTECTIVE EQUIPMENT:

IN CONFINED AREAS, TANKS OR STAGNANT AIR CONDITIONS, USE EXPLOSION OR SPARK PROOF EQUIPMENT, INCLUDING NON SPARKING TOOLS AND SHOES.

OCCUPATIONAL EXPOSURE LIMIT VALUES:

| | STEL | | TWA | |
|------------------------------|-------------------|-----|-------------------|-----|
| | MG/M ³ | PPM | MG/M ³ | PPM |
| QUARTZ (crystalline silica): | N/A | N/A | 0.1 | N/A |
| TITANIUM DIOXIDE: | N/A | N/A | 10 | N/A |
| XYLENE (mixed isomers): | 655 | 150 | 350 | 80 |
| NITROETHANE: | N/A | N/A | 307 | 100 |

OTHER EXPOSURE INFORMATION:

TIME WEIGHTED AVERAGE (TWA) IS THE AVERAGE CONCENTRATION OF THE WORK ATMOSPHERE OVER A NORMAL 8-HOUR WORK DAY AND A 40-HOUR WORK WEEK. NEARLY ALL WORKERS MAY BE REPEATEDLY EXPOSED TO THIS LEVEL, DAY AFTER DAY, WITHOUT ADVERSE EFFECT.

STEL (SHORT TERM EXPOSURE LIMIT) IS THE AVERAGE AIRBORNE CONCENTRATION OVER A 15 MINUTE PERIOD WHICH SHOULD NOT BE EXCEEDED AT ANY TIME DURING A NORMAL 8 HOUR WORK DAY. EXPOSURES AT THE STEL SHOULD NOT BE LONGER THAN 15 MINUTES AND SHOULD NOT BE REPEATED MORE THAN FOUR(4) TIMES PER DAY. THERE SHOULD BE AT LEAST 60 MINUTES BETWEEN SUCCESSIVE EXPOSURES AT STEL.

WHERE A STEL IS NOT STATED, SHORT TERM EXPOSURES SHOULD NOT EXCEED THREE TIMES THE TWA FOR MORE THAN A TOTAL OF 30 MINUTES PER 8 HOUR WORKING DAY AND THE STEL SHOULD NEVER EXCEED FIVE (5) TIMES THE TWA.



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SECTION 10 - ECOLOGICAL INFORMATION

ECOTOXICITY: TOXIC TO AQUATIC ORGANISMS, MAY CAUSE LONG TERM ADVERSE EFFECTS TO THE AQUATIC ENVIRONMENT.

PERSISTENCE AND DEGRADABILITY: BASED ON OECD GUIDELINES, MATERIAL CANNOT BE CONSIDERED TO BE READILY BIODEGRADABLE (12% BIODEGRADATION IN 28 DAYS, OCED TEST 302B) HOWEVER, THIS DOES NOT MEAN THAT THE MATERIAL WILL NOT DEGRADE UNDER ENVIRONMENTAL CONDITIONS.

MOBILITY: POTENTIAL FOR MOBILITY IN SOIL IS LOW (KOC 500-2000)

BIOACCUMULATIVE POTENTIAL: BIOACCUMULATIVE POTENTIAL IS MODERATE (BCF 100-3000 OR LOG POW 3-5)

ACUTE TOXICITY – FISH: LC50 FATHEAD MINNOW (96HR): 3.1MG/L

ACUTE TOXICITY – DAPHNIA: EC50 DAPHNIA MAGNA (48HR IMMOBILISATION): 1.4-1.7MG/L

ACUTE TOXICITY – BACTERIA: IC50 BACTERIA (18HR, GROWTH INHIBITION): >42.6MG/L

SECTION 11 - SPECIAL PRECAUTIONS

HANDLING & STORAGE PRECAUTIONS:

KEEP CONTAINERS CLOSED. DON'T STORE NEAR HEAT OR OPEN FLAME

OTHER: AVOID PROLONGED BREATHING OF VAPOUR AND CONTACT WITH SKIN.

SECTION 12 - REFERENCES

| | |
|-------------|---|
| HB 76 | DANGEROUS GOODS - INITIAL EMERGENCY RESPONSE GUIDE |
| AS 1020 | THE CONTROL OF UNDESIRABLE STATIC ELECTRICITY. |
| AS 1076 | CODE OF PRACTICE FOR SELECTION, INSTALLATION AND MAINTENANCE OF ELECTRICAL APPARATUS AND ASSOCIATED EQUIPMENT FOR USE IN EXPLOSIVE ATMOSPHERES (OTHER THAN MINING APPLICATIONS) |
| AS/NZS 1336 | RECOMMENDED PRACTICES FOR OCCUPATIONAL EYE PROTECTION. |
| AS/NZS 1715 | SELECTION, USE AND MAINTENANCE OF RESPIRATORY PROTECTIVE EQUIPMENT. |
| AS/NZS 1716 | RESPIRATORY PROTECTIVE DEVICES. |
| AS 1940 | THE STORAGE AND HANDLING OF FLAMMABLE AND COMBUSTIBLE LIQUIDS. |
| AS 2161.1 | OCCUPATIONAL PROTECTIVE GLOVES - SELECTION, USE AND MAINTENANCE. |
| AS 2380 | ELECTRICAL EQUIPMENT FOR EXPLOSIVE ATMOSPHERES - EXPLOSION PROTECTION TECHNIQUES. |
| AS3000 | ELECTRICAL INSTALLATIONS (KNOWN AS THE AUS/NEW ZEALAND WIRING RULES). |
| AS 3780 | THE STORAGE AND HANDLING OF CORROSIVE SUBSTANCES. |

TECHNICAL CONTACT NUMBER: 03 9720 8777



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