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LUXAPOOL® Epoxy Thinners

MATERIAL SAFETY DATA SHEET

STATEMENT OF HAZARDOUS NATURE:

Hazardous according to criteria of Worksafe Australia

SECTION 1 - COMPANY AND MATERIAL SPECIFICATION

MANUFACTURERS NAME: D.P.J. Coating Systems Pty Ltd ACN 005 509 679

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TRADE NAME: LUXAPOOL EPOXY THINNERS / ACETONE

USES: Chemicals (methylisobutylketone, methylisobutylcarbinol, bisphenol-A methylmethacrylate); paint, varnish & lacquer solvent' cellulose acetate especially as spining solvent; delusterant for cellulose acetate fibres.

SECTION 2 - INGREDIENTS

TECHNICAL NAME: Phrase	(CAS No.)	% BY WT.	Hazard Symbol	Risk
ACETONE	67-64-1	95% - 99.5%	Xi, F	R11, R36, R66, R67
Synonyms : Dimethyl Ketone, 2-Propane				

SECTION 3 - PHYSICAL PROPERTIES

SPECIFIC GRAVITY (WATER =1): 0; 792 (WATER = 1)

SOLUBILITY IN WATER: Partial G/L (25°C)

APPEARANCE AND ODOUR: CLOURLESS LIQUID WITH A SHARP PENETRATING AND NON-RESIDUAL ODOUR.

BOILING POINT/ 56.1°C

MELTING POINT - 94.7°C

FLAMMABILITY LIMITS (AS VOLUME IN AIR)

SECTION 4 - FLAMMABILITY & EXPLOSIVE PROPERTIES

FLASHPOINT: . minus 9.4°C **METHOD:** Closed Cup (X) Open Cup ()

LOWER EXPLOSION LIMIT: 2.6

UPPER EXPLOSION LIMIT: 12.8

OTHER PROPERTIES:

EVAPORATION RATE (BUTYL-ACETATE=1) 14.48

VAPOUR DENSITY (AIR = 1) 2.0

VOLATILES % BY VOLUME: 100%

LUXAPOOL® Epoxy Thinners

SECTION 5 - HEALTH HAZARD DATA

2.1 HEALTH EFFECTS:

ACUTE:

SWALLOWED: ORAL LD50 = 3000 MG/KG MOUSE, 5300 MG/KG RABBIT

EYE: IMMEDIATELY IRRIGATE WITH COPIOUS AMOUNT OF WATER FOR AT LEAST 15 MINUTES, EYELIDS TO BE HELD OPEN. SEEK IMMEDIATE MEDICAL ADVICE

SKIN: DERMAL LD50 = 2000 MG/KG RABBIT

INHALED: INHALATION LC50 = NOT AVAILABLE

CHRONIC: OVER EXPOSURE WILL PRODUCE A STATE OF STUPOR

2.2 FIRST AID:

SWALLOWED:

EYE: FLUSH WITH WATER FOR AT LEAST 15 MINUTES.

SKIN: FLUSH WITH WATER

INHALATION: REMOVE TO FRESH AIR.

ADVICE TO DOCTOR

SECTION 6 - PRECAUTIONS FOR USE

EXPOSURE STANDARDS: (TLV)

THRESHOLD LIMIT VALUES TLV: AIR 750 PPM

TWA: AIR 1000 PPM

3.2 ENGINEERING CONTROL:

USE ADEQUATE VENTILATION

ACETONE IS A FLAMMABLE LIQUID. THE EXPLOSIVE RANGE AT ROOM TEMPERATURE IS BETWEEN 2.5 AND 12.8 VOL. % OF ACETONE VAPOUR IN AIR.

3.3 PERSONAL PROTECTION:

AIR SUPPLIES MASK IN HIGH CONCENTRATIONS. RUBBER OR VINYL COATED GLOVES, SAFETY GLASSES, EYE BATH AND SAFETY SHOWER (BULK HANDLING).

3.4 FLAMMABILITY: EXTREMELY FLAMMABLE.

SECTION 7 - SAFE HANDLING INFORMATION

4.1 STORAGE / TRANSPORT:

STORE IN CLOSED CONTAINERS AND KEEP AWAY FROM HEAT, SPARK OR FLAMES. USE WITH ADEQUATE VENTILATION.

CONTAINER TYPE:

PRIMARY RISK CLASS: 3

SECONDARY RISK CLASS: NONE ALLOCATED

SPILLS AND DISPOSAL:

SPILLS

REMOVE ALL SOURCES OF IGNITION IMMEDIATELY. WEAR SUITABLE PROTECTIVE CLOTHING. COLLECT FOR DISPOSAL IN A FLAMMABLE WASTE CONTAINER. FLUSH SPILLS WITH LARGE QUANTITIES OF WATER.

DISPOSAL: (AFTER TREATMENT DESCRIBED ABOVE)

INCINERATE IN A FURNACE WHERE PERMITTED UNDER APPROPRIATE GOVERNING REGULATIONS.

LUXAPOL® Epoxy Thinners

3

SECTION 8 - FIRE AND EXPLOSION HAZARD

FIRE/EXPLOSION:

HAZARDOUS DECOMPOSITION PRODUCTS; CARBON MONOXIDE/CARBON DIOXIDE MAY BE PRODUCED BY BURNING. HAZARDOUS POLYMERISATION WILL NOT OCCUR. NO SPECIAL FIRE FIGHTING PROCEDURES AND NO UNUSUAL FIRE AND EXPLOSION HAZARDS.

EXTINGUISHING MEDIA:

CARBON DIOXIDE OR DRY CHEMICAL COULD BE USED FOR SMALL FIRES. "ALCOHOL" TYPE FOAM FOR LARGE FIRES. USE WATER SPRAY TO REDUCE INTENSITY OF FLAMES.

SECTION 9 - OTHER INFORMATION

ACETONE IS COMPARATIVELY LOW IN TOXICITY. THE MAXIMUM PERMISSIBLE CONCENTRATION OF ACETONE IN WORKING AREAS IS 1000 PPM OF GAS OVER A PERIOD OF EIGHT HOURS. AVOID CATALYST SUCH AS BA (OH)1, NAOH & OTHER ALKALIES, SULFURIC ACID. CONDENSATION WILL OCCUR IN THE PRESENCE OF CATALYSTS AT LOW TEMPERATURES WHICH SHOULD BE AVOIDED. REACTION WILL STOP AT HIGHER TEMP AND MATERIAL WILL COOL DOWN.

SECTION 10 - HAZARD CLASSIFICATION

U.N. NUMBER: 1090 DANGEROUS GOODS CLASS: 3 SUBSIDIARY RISK: N/A

HAZCHEM CODE: 2 (Y) E POISONS SCHEDULE: S5 GROUP TEXT EPG: 3C1

PACKAGING GROUP: III

OTHER NAMES: DIMETHYLKETONE 2-PROPANONE

PRODUCT CODE: ACETON20

RISK PHRASES

1. CLASSIFIED AS HAZARDOUS
2. R11 HIGHLY FLAMABLE
3. R36 IRRITATING TO EYES
4. R66 REPEATED EXPOSURE MAY CAUSE SKIN DRYNESS AND CRACKING
5. R67 VAPOURS MAY CAUSE DROWSINESS AND DIZZINESS

SAFETY PHRASES:

1. S16 KEEP AWAR FROM SOURCES OF INGITION – NO SMOKING
2. S2 KEEP OUT OF REACH OF CHILDREN
3. S26 IN CASE OF CANTACT WITH EYES, RINSE IMMEDIATELY WITH PLENTY OF WATER AND SEEK MEDICAL ADVICE.
4. S9 KEEP CONTAINER IN A WELL VENTILATED PLACE



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Page 3 of 3

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This MSDS summarises, to our best knowledge at the date of issue, the health and safety hazards of the product and provides general guidance on how to safely handle it in the workplace. Since D.P.J. Coating Systems Pty Ltd cannot anticipate all the conditions and situations under which the product may be used, each user must, prior to use, assess and control the risks arising from the use of the product.