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THE NAME SAYS IT ALL

MATERIAL SAFETY DATA SHEET

Ref:CONTRT_SILSEAL_MSDS.DOC Page 1 of 4

SECTION 1 - IDENTIFICATION OF THE MATERIAL AND SUPPLIER

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|-------------------------|--|------------|--------------------------------|
| PRODUCT (MATERIAL) NAME | SILICONE SEAL | | |
| OTHER NAMES | FLAMMABLE LIQUID NOS | | |
| RECOMMENDED USE | Sealer for masonry & stone against water borne contaminants, for natural stone, concrete and concrete masonry ,clay and silicate bricks. Does not impart a visual finish (wet look) to the surface-once solvent dries. | | |
| SUPPLIER NAME/ADDRESS | CON-TREAT Pty Ltd Unit 2/58 Township Drive Burleigh Heads QLD 4221 Australia | | |
| TELEPHONE NO. | 1300-0044625 | Facsimile: | +61-(0) 07 5576 5148 |
| EMERGENCY PHONE NUMBER | 1300-0044625 | Hours: | 0800-1700 Monday-Friday |

SECTION 2 HAZARDS IDENTIFICATION

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| HAZARD CLASSIFICATION | Classified as hazardous according to criteria of NOHSC Australia. |
| RISK PHRASE(S) | Classified as dangerous according to criteria of ADG Code. Xn -Harmful |
| SAFETY PHRASE(S) | R10- Flammable. R20/21/22- Harmful by inhalation, in contact with skin and if swallowed. R65: Harmful: May cause lung damage if swallowed. S2: Keep out of reach of children. S16 Keep away from sources of ignition- No smoking. S23: Do not breathe fumes/vapour. S24/25: Avoid contact with skin and eyes. S33- Take precautionary measures against static discharges. S7/9: Keep container tightly closed and in a well ventilated place. S45: In case of accident or if you feel unwell, contact a doctor or Poisons Information Centre 131126 immediately (show the label where possible). |

SECTION 3 COMPOSITION/INFORMATION ON INGREDIENTS

MIXTURE

| Chemical identity of ingredients | Proportion of ingredients | CAS Number(s) for ingredients |
|----------------------------------|---------------------------|-------------------------------|
| Liquid Hydrocarbon (Petroleum) | >60% | [64742-88-7] |
| Liquid Hydrocarbon (Petroleum) | 10-30% | [64742-95-6] |

Balance of formulation consists of other ingredients determined not to be hazardous.

SECTION 4 FIRST AID MEASURES

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| Swallowed: | If swallowed, do NOT induce vomiting. Transport to nearest medical facility for additional treatment or Poisons Information Centre ☎131126. If vomiting occurs spontaneously, keep head below hips to prevent aspiration. Do NOT induce vomiting. Give glass of water. |
| Eye: | If in eyes, hold eyes open, flood with water for at least 15 minutes. If redness, burning, blurred vision, or swelling persist transport to nearest medical facility for additional treatment. |
| Skin: | If skin contact occurs, remove contaminated clothing and wash skin thoroughly with water and follow by washing with soap if available. |
| Inhalation: | Remove victim from exposure if safe to do so. If rapid recovery does not occur, transport to nearest medical facility for additional treatment. Remove contaminated clothing |
| Medical attention or special treatment required | |
| ADVICE TO DOCTOR. | Treat symptomatically |
| FIRST AID FACILITIES: | Potable water should be available to rinse eyes or skin. Provide eye baths and safety showers. |

SECTION 5 FIRE FIGHTING MEASURES

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| SUITABLE EXTINGUISHING MEDIA | Foam, Carbon Dioxide, Dry Chemical Powder, and Water fog. |
|------------------------------|---|

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| HAZARDS FROM COMBUSTION PRODUCTS | Combustion will release toxic gasses. (CO _x & SiO _x) |
| SPECIAL PROTECTIVE PRECAUTIONS AND EQUIPMENT FOR FIRE FIGHTERS | Fire fighters to wear self-contained breathing apparatus if risk of exposure to vapour or products of decomposition (CO _x & SiO _x) evolved. |
| <i>Additional information</i> | Classed as flammable under ADG Code |
| <i>Hazchem Code</i> | 3[Y] |

SECTION 6 ACCIDENTAL RELEASE MEASURES

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| EMERGENCY PROCEDURES | Extinguish any source of flame Evacuate area, clearing all unnecessary personnel. Contain liquid with soil/sand. Prevent liquid from entering storm water drains, basements or workpits. Wear protective goggles to prevent eye contamination. Absorb spill with soil/sand and recover material into mild steel drums. Label drums correctly. |
| METHODS AND MATERIALS FOR CONTAINMENT AND CLEAN UP | Refer to State Land Waste Management Authority. Empty containers must be decontaminated. Normally suitable for disposal at approved land waste site. |

SECTION 7 HANDLING AND STORAGE

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| PRECAUTIONS FOR SAFE HANDLING | Wear protective goggles and rubber gloves to prevent eye and skin contamination. |
| CONDITIONS FOR SAFE STORAGE | Keep containers tightly sealed when not in use. Store in a well-ventilated place and out of direct sunlight. Check area regularly for spills. |
| INCOMPATIBILITIES | Not to be loaded with dangerous when wet substances (Class 4.3), oxidising agents (Class 5), cyanides (Class 6), strong acids (Class 8) cationic detergents or foodstuffs. |

SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

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| NATIONAL EXPOSURE STANDARDS | In the absence of occupational exposure standards for this product, it is recommended that the following be adopted. Mineral Spirits 150-200, HSPA 350mg/m ³ TWA (8hr). |
| BIOLOGICAL LIMIT VALUES | |
| ENGINEERING CONTROLS | |
| <u>PERSONAL PROTECTION:</u> | Avoid unnecessary contact as good work practice. Wash contaminated clothing and protective equipment before storing and re-use. Wash hands before eating, smoking or using the toilet. |
| <u>RESPIRATORY PROTECTION</u> | It is usually safe to not use respiratory protection. However, there may be circumstances where use of a mask or other device is appropriate. Use judgement. For assistance in selecting suitable equipment consult AS/NZ1715. |
| <u>EYE PROTECTION</u> | Eye protective measures are normally necessary, and are suggested when using this product. Consult AS1336 and AS/NZ1337 |
| <u>PROTECTIVE GLOVES</u> | Rubber, PVC or other protective gloves are necessary, and desirable, especially if product is being used frequently or for lengthy periods. Consult AS2161 for guidance. |
| <u>CLOTHING</u> | Clean overalls should be worn, preferably with an apron. Consult AS2919 for clothing guidance. |
| <u>SAFETY FOOTWEAR</u> | Wearing safety boots is advisory. Consult AS/NZ 2210 for advice on Occupational Protective Footwear. |

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

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| <u>Appearance:</u> | water white liquid, characteristic odour. |
| <u>Flammability:</u> | product is flammable |
| <u>Melting Point:</u> | NA |
| <u>Boiling Point:</u> | Initial 147°C : Final 196°C |
| <u>Flash Point:</u> | 37°C |
| <u>Vapour Pressure:</u> | 0.8 kpa @ 38°C |
| <u>Volatiles:</u> | 95% |
| <u>Vapour Density</u> | unknown (butyl acetate=100) |
| <u>Flammability Limits</u> | LEL 0.9%; UEL7% |
| <u>Specific Gravity:</u> | 0.80 |
| <u>Solubility in water</u> | insoluble in water |
| Autoignition temperature. | |
| <i>Additional information</i> | Will absorb atmospheric water if not kept tightly sealed- this will condense the reactive resin rendering it un-usable |

SECTION 10 STABILITY AND REACTIVITY

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| Chemical stability | Stable |
| Conditions to avoid | Do not mix with oxidising agents (Class 5) |
| Incompatible materials | Not to be loaded with dangerous when wet substances (Class 4.3), oxidising agents (Class 5), cyanides (Class 6), strong acids (Class 8) cationic detergents or foodstuffs. |
| Hazardous decomposition products | Upon combustion oxides of carbon (CO _x) and silica (SiO _x) |
| Hazardous reactions | Oxidising agents (Class 5) |

SECTION 11 TOXICOLOGICAL INFORMATION

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| Hydrocarbons | Expected to be of low toxicity: LD50>2000mg/kg, Rat |
| SYMPTOMS OF EXPOSURE | |
| Swallowed: | Expected to be of low toxicity: LD50>2000mg/kg, Rat. Aspiration into lungs when swallowed or vomited may cause chemical pneumonitis which can be fatal. |
| Eye: | Irritant |
| Skin: | Irritant |
| Inhalation: | Inhalation of vapours or mists may cause irritation to the respiratory system. |
| ACUTE | High concentrations, can impair co-ordination and induce unconsciousness |
| CHRONIC | Auditory system: prolonged and repeated exposures to high concentration have resulted in hearing loss in rats. Solvent abuse and noise interaction in the work environment may cause hearing loss. Central nervous system: repeated exposure affects the nervous system. |
| <i>Additional information</i> | |
| <i>Aggravated medical conditions caused by exposure</i> | |

SECTION 12 ECOLOGICAL INFORMATION

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|--------------------------------------|-------------------|--|
| ECOTOXICITY | Aquatic organisms | Expected to be toxic |
| PERSISTENCE AND DEGRADABILITY | | Carrying solvent readily biodegradable, degrading rapidly in air. |
| MOBILITY | | Floats on water, highly volatile and will evaporate rapidly if released into water |
| <i>ENVIRONMENTAL FATE (EXPOSURE)</i> | | |
| <i>BIOACCUMULATIVE POTENTIAL</i> | | |

SECTION 13 DISPOSAL CONSIDERATIONS

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| DISPOSAL METHODS AND CONTAINERS | Refer to State Land Waste Management Authority. Empty containers must be decontaminated. Normally suitable for disposal at approved land waste site. |
| SPECIAL PRECAUTIONS FOR LANDFILL OR INCINERATION | |

SECTION 14 TRANSPORT INFORMATION

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|------------------------------|----------------------|
| UN NUMBER | 1993 |
| UN PROPER SHIPPING NAME | FLAMMABLE LIQUID NOS |
| CLASS AND SUBSIDIARY RISK | 3 |
| PACKING GROUP | III |
| SPECIAL PRECAUTIONS FOR USER | |
| HAZCHEM CODE | 3[Y] |

SECTION 15 REGULATORY INFORMATION

| | |
|---|---------------------|
| Poison Schedule | 5 |
| OHS | Considered a hazard |
| Environmental | Considered a hazard |
| <i>Additional information</i> | |
| <i>Additional national and/or international regulatory information.</i> | |

SECTION 16 OTHER INFORMATION

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|---|-----------------------------------|
| Date of preparation or last revision of the MSDS | 30 July 2009 |
| Prepared by | Glenn Bowring B App Sc (App Chem) |
| <i>Additional information</i> | |
| <i>Key/legend to abbreviations and acronyms used in the MSDS.</i> | |

Literature references.

| | |
|------------------------|---|
| ADG | Australian Code for the Transport of Dangerous Goods by Road and Rail |
| ACGIH | American Conference of Governmental Industrial Hygienists |
| ASCC | Australian Safety and Compensation Council |
| Code AICS | Australian Inventory of Chemical Substances |
| CAS number | Chemical Abstracts Service Registry Number |
| Hazchem Code | Emergency action code of numbers and letters that provide information to emergency services especially firefighters |
| IARC | International Agency for Research on Cancer |
| LD₅₀ | Lethal Dose sufficient to kill 50% of test population |
| NOEL | No Observable Effect Level |
| NOHSC | National Occupational Health and Safety Commission |
| NTP | National Toxicology Program (USA) |
| PEL | Permissible Exposure Limit |
| TCL₀ | Toxic Concentration Low |
| TD_{Lo} | Toxic Dose Low : lowest dosage per unit of bodyweight (typically stated in milligrams per kilogram) of a substance known to have produced signs of toxicity in a particular animal species. |
| TLV | Threshold Limit Value (ACGIH):The time weighted average used to describe exposure which is harmless to most of the population when exposed 8 hours per day, 40 hours per week. |
| TWA | (Time Weighted Average): The average airborne concentration of a particular substance when calculated over a normal eight-hour working day, for a five-day week. |
| STEL | (Short Term Exposure Limit): The average airborne concentration over a 15 minute period which should not be exceeded at any time during a normal eight-hour workday. |
| SUSDP | Standard for the Uniform Scheduling of Drugs & Poisons |
| UN Number | United Nations Number |

Literature references.

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|--------------------------|--|
| <i>Sources for data.</i> | Material Safety Data Sheets from Suppliers |
| | Hazardous Substances Information System (HSIS)– ASCC Australia (on-line) |
| | ADG Code 6 th Edition |
| | SUSDP N ^o 23 |

DISCLAIMER:

This MSDS summarizes our best knowledge of the health and safety hazard information of the product and how to safely handle and use the product in the workplace. Each user should read this MSDS and consider the information in the context of how the product will be handled and used in the workplace including its use in conjunction with other products. If clarification or further information is needed to ensure that an appropriate risk assessment can be made, the user should contact CON-TREAT PTY LTD. Our responsibility for products sold is subject to our standard terms and conditions, a copy of which is sent to our customers and is also available on request. CON-TREAT PTY LTD however makes no warranty whatsoever, expressed, implied or of merchantability regarding the accuracy of such data or the results to be obtained from the use thereof and assumes no responsibility for injury to buyer or third persons or for any damage to property, Buyer assumes all risks .