

SDS-269
Revised October 8th, 2017

SAFETY DATA SHEET

SECTION 1: IDENTIFICATION

PRODUCT NAME: CIPADAM[®] S-15

MANUFACTURER/SUPPLIER: CPD Construction Products
 219 Connie Crescent, Unit #13
 Concord, Ontario Canada L4K 1L4

24 HOUR EMERGENCY NUMBER: CANUTEC: (613) 996-6666

APPLICATION AND USE: Protects concrete and masonry surfaces from moisture intrusion. Spray, brush or broom applied.

PRODUCT DESCRIPTION: Water repellent silane based sealer.

SECTION 2: HAZARDS IDENTIFICATION

GHS CLASSIFICATION Flammable Liquid, (Category 2), Serious eye damage/ irritation (Category 2B)



SIGNAL WORD **DANGER**

HAZARD STATEMENTS H225 Highly flammable liquid and vapour.

PECAUTIONARY STATEMENTS

PREVENTION P202 Do not handle until all safety precautions have been read and understood
 P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
 P233 Keep container tightly closed.
 P242 Use only non-sparking tools.
 P243 Take precautionary measures against static discharge.
 P260 Do not breath mist/ vapours/ spray.
 P262 Do not get in eyes, on skin or on clothing.
 P264 Wash thoroughly after handling.
 P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.

RESPONSE P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/ doctor
 P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing
 P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 P303+P361+ P353 If ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/ shower.
 P331 Do NOT induce vomiting.

OTHER HAZARDS Static accumulating flammable liquid can become electrostatically charged even in bonded and grounded equipment. Sparks may ignite liquid and vapor.

SECTION 3 : COMPOSITION/INFORMATION ON INGREDIENTS

| Hazardous Ingredients | % | C.A.S. # | LD/50, Route, Species | LC/50, Route, Species |
|------------------------------|----------|-----------------|---|---|
| N-Octyltriethoxy Silane | 10-30 | 2943-75-1 | >5110 mg/ Kg (Oral-Rat) | |
| Tertiary Butyl Acetate | 60-100 | 540-88-5 | 2733 mg/ Kg (Oral-Rat) >2000 mg/ Kg (Dermal-Rabbit) | >14,100 ppm (4hrs.) (Inhalation-Rat) |
| Ethyl Alcohol | 1 – 5 | 64-17-5 | 7060 mg/ Kg (Oral-Rat) 20,000 mg/ Kg (Dermal-Rabbit) | 31,624 ppm (4hrs.) (Inhalation-Rat) |
| 2-Methylpropan-2-ol | 0.1-1 | 75-65-0 | 3500 mg/ Kg (Oral-Rat) | |

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SECTION 4 : FIRST-AID MEASURES

FIRST-AID MEASURES

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| EYE CONTACT | Immediately flush eyes with large quantities of water lifting upper and lower eyelids occasionally. Get immediate medical attention. |
| SKIN CONTACT..... | Wash with soap and water. Remove contaminated clothing and do not reuse until laundered. If persistent irritation occurs, get medical attention. |
| INHALATION | Remove victim to fresh air. Give artificial respiration if not breathing. Keep person warm, quiet and get immediate medical attention if unconscious. |
| INGESTION | Drink 1 to 2 glasses of water to dilute. Do not induce vomiting even though vomiting may occur. If vomiting occurs, keep head below hips to prevent aspiration of liquid into lungs which can cause chemical pneumonitis, which is fatal. Get immediate medical attention. |
| ADDITIONAL INFORMATION | In all cases, if irritation persists seek medical attention. The following diseases or disorders may be aggravated by exposure to this product: skin, eye, lung (asthma-like conditions). |
| MOST IMPORTANT SYMPTOMS/ EFFECTS, ACUTE OR DELAYED | Effects of over exposure: overexposure can lead to central nervous system depression producing such effects as headaches, dizziness, nausea and loss of consciousness and even asphyxiation. |
| IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED | Get medical attention if symptoms occur. |

SECTION 5: FIRE-FIGHTING MEASURES

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| GENERAL FIRE HAZARDS..... | Vapours may form an explosive mixture with air. Closed containers may rupture when exposed to extreme heat. |
| SUITABLE EXTINGUISHING MEDIA | Use carbon dioxide or dry chemical media for small fires. Use alcohol-type or all-purpose foam for large fires. |
| UNSUITABLE EXTINGUISHING MEDIA | Do not use solid water stream as this may spread fire. |
| SPECIAL PROTECTION EQUIPMENT FOR FIRE FIGHTERS | Exposure to vapours or products of combustion should be avoided. Fire-fighters should use a self-contained breathing apparatus and full protective clothing in case of fire. |
| HAZARDOUS COMBUSTION PRODUCTS | Smoke, fumes, aldehydes and oxides of carbon. |

SECTION 6: ACCIDENTAL RELEASE MEASURES

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| PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT, EMERGENCY PROCEDURES ... | Eliminate source of ignition. Keep public away. Dike area to prevent spreading. Wear appropriate respirator and other protective clothing. Shut off source of leak only if safe to do so. Dike and contain. Remove with explosion proof equipment. |
| ENVIRONMENTAL PRECAUTIONS | Prevent runoff material into drains, sewers and other waterways. Collect flush solution in drums. Dispose of as hazardous waste. |
| CONTAINMENT AND CLEAN UP | Cover spill with inert material. Soak up residue with non-combustible absorbent such as clay or vermiculite; place in drums for proper disposal. Flush area with water to remove trace residue. Collect for proper disposal. Wash area with soapy water and rinse thoroughly. Dispose of in a facility approved under government regulations for hazardous waste. Containers must be leak proof and properly labelled. |

SECTION 7: HANDLING AND STORAGE

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| PRECAUTIONS FOR SAFE HANDLING | Keep containers tightly closed when not in use. Ground all equipment and use only spark proof tools and conductive shoes. Wash thoroughly before eating, drinking, smoking or using toilet facilities. Launder contaminated clothing before reuse. Containers, even those that have been emptied, retain product residue (vapours and/or liquid). Always obey hazard warning and handle empty containers as if they were full. Do not smoke when using this product. |
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CONDITIONS FOR SAFE STORAGE Store in original labelled container, away from oxidizing materials in a cool dry place with adequate ventilation. Protect from heat and open flames.

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

| OCCUPATIONAL EXPOSURE LIMIT: | <u>ACGIH</u> | <u>OSHA</u> | <u>NIOSH</u> |
|---------------------------------------|---|-------------|---------------|
| N-OCTYLTRIETHOXY SILANE | 1000 ppm TWA 1000 ppm STEL | N/Av | N/Av |
| TERTIARY BUTYL ACETATE | 200 ppm TWA | N/Av | 1500 ppm IDLH |
| ETHYL ALCOHOL | 1000 ppm TWA 1000 ppm STEL | N/Av | N/Av |
| 2-METHYLPROPAN-2-OL | 100 ppm TWA-TLV | 100 ppm PEL | N/Av |
| APPROPRIATE ENGINEERING CONTROL | General (dilution) ventilation is required during normal use. Local exhaust ventilation may be required during certain operations to keep exposure level below the limit listed above. | | |
| PERSONAL PROTECTIVE EQUIPMENT: | | | |
| EYE / TYPE | Splash proof chemical goggles are recommended. | | |
| RESPIRATORY PROTECTION | Concentrations in air determine the level of respirator protection needed. Use only NIOSH certified equipment. A half mask air purifying respirator with organic vapour cartridge is recommended. | | |
| GLOVES/TYPE | Neoprene or natural rubber gloves are required for protection of hands. | | |
| CLOTHING/TYPE | Standard coveralls. Always remove any contaminated clothing and wash before reuse. | | |
| FOOTWEAR/TYPE | Solvent resistant safety shoes/boots. | | |
| OTHER | A portable eye wash station is recommended at the job where this product is being applied. | | |

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

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| APPEARANCE/ PHYSICAL STATE | Liquid, clear |
| ODOUR | Camphor like odour |
| ODOUR TRESHOLD | 71 ppb (TBAC) |
| pH LEVEL | Not applicable |
| FREEZING/MELTING POINT | Not available |
| BOILING POINT | 98°C (208°F) TBAC |
| FLASH POINT | 4.4°C (39.92°F) Tag Closed Cup (TCC) |
| AUTO IGNITION TEMPERATURE (deg C) | Not available. |
| UPPER FLAMMABLE LIMIT (% VOL) | Not available. |
| LOWER FLAMMABLE LIMIT (% VOL) | Not available. |
| VAPOUR PRESSURE | 31 @ 20°C (68°F) |
| VAPOUR DENSITY (AIR=1) | 0.862 (air=1.0) |
| RELATIVE DENSITY @ 20°C (68°F) | 0.860 (approx.) |
| EVAPORATION RATE | 2.8 (ButylAcetate =1) |
| SOLUBILITY IN WATER | Not available |
| VISCOSITY | 10 cps @ 20°C (68°F) (Approx.) |
| V.O.C. | 350 gm/L |

SECTION 10: STABILITY AND REACTIVITY

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| REACTIVITY | No data available. |
| CHEMICAL STABILITY | Stable under normal temperatures and pressures. Hazardous polymerization has not been reported. |
| POSSIBILITY OF HAZARDOUS REACTIONS: | Material will react with water liberating ethanol. |
| CONDITIONS TO AVOID | Avoid heat, sparks and open flame. Avoid moist air and water contact. |
| INCOMPATIBLE MATERIALS | Strong oxidizing compounds. |
| HAZARDOUS DECOMPOSITION PRODUCTS: | Ethanol in case of hydrolysis. |

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SECTION 11: TOXICOLOGICAL INFORMATION

EXPOSURE ROUTES/ SYMPTOMS AND EFFECTS

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| EYE CONTACT | Short-term liquid or vapour contact may result in eye irritation. Prolonged and repeated contact will be more irritating. |
| SKIN CONTACT | Prolonged and repeated liquid contact can cause defatting and drying of the skin which may result in skin irritation and dermatitis. |
| INHALATION (ACUTE) | High concentrations or prolonged exposure to lower concentrations may be irritating to mucous membrane. |
| INGESTION | Liquid ingestion may result in vomiting. Aspiration of liquid into the lungs must be avoided as liquid contact with the lungs can result in chemical pneumonitis and pulmonary edema/ haemorrhage. |
| EFFECTS OF CHRONIC EXPOSURE | Effects of over exposure: overexposure can lead to central nervous system depression producing such effects as headaches, dizziness, nausea and loss of consciousness and even asphyxiation. |
| CARCINOGENICITY | This product is not listed by NTP, IARC or regulated as a carcinogen by OSHA. |
| TERATOGENICITY | No data available. |
| MUTAGENICITY | No data available. |
| REPRODUCTIVE EFFECTS | No data available. |

SECTION 12: ECOLOGICAL INFORMATION

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| ECOTOXICITY | No data available. |
| PERSISTANCE AND DEGRADABILITY | This product is not expected to persist in the environment. |
| BIOACCUMULATIVE POTENTIAL | No data available. |
| MOBILITY IN THE SOIL | No data available. |

SECTION 13: DISPOSAL CONSIDERATIONS

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|------------------------------|---|
| WASTE DISPOSAL | Product in the liquid state is hazardous material and must be disposed of as in accordance with all Provincial, State and Federal laws. |
| CONTAMINATED PACKAGING | Empty containers of the product that are dry (no solvent) can be disposed of as normal garbage. |

SECTION 14: TRANSPORTATION INFORMATION

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| TDG CLASSIFICATION | Paint Related Material, UN1263, Class 3, PG II |
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SECTION 15: REGULATORY INFORMATION

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| WHMIS CLASSIFICATION | B2, D-2B |
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SECTION 16: OTHER INFORMATION

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| ACGIH | American Confederation of Governmental Industrial Hygienists |
| IARC..... | International Agency for Research on Cancer |
| NTP..... | National Toxicology Program |
| STEL | Short Term Exposure Limit |
| PEL | Permissible Exposure Limit |
| TLV-TWA | Threshold Limit Value - Time-Weighted Average |
| OSHA | Occupational Safety and Health Administration |
| NIOSH | National Institute for Occupational Safety and Health |
| CPR | Controlled Products Regulations |
| CAS | Chemical Abstracts Service |
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| TELEPHONE NUMBER: | (905) 669-5013 |
| PREPARATION DATE: | October 8 th , 2017 |

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