

MATERIAL SAFETY DATA SHEET

GENERAL INFORMATION

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|---|-------------------------------|--|
| PRODUCT NAME OR NUMBER (as it appears on label) Duct Seal | | CATALOG NUMBER 31-601, 31-605 |
| MANUFACTURER'S NAME IDEAL INDUSTRIES, INC. | | EMERGENCY TELEPHONE NO. (815) 895-5181 |
| ADDRESS (Number, Street, City, State, Zip Code) Becker Place, Sycamore, IL 60178 | | |
| HAZARDOUS MATERIAL DESCRIPTION, PROPER SHIPPING NAME, HAZARD CLASS, HAZARD CLASS, HAZARD ID NO. (49 CFR 172.101) None | | |
| CHEMICAL DESCRIPTION Butyl Rubber Composite | FORMULA Proprietary | |

SECTION I - INGREDIENTS

| CAS REGISTRY NO. | %W | CHEMICAL NAME(S)* | ACHIH TLV | Listed as a carcinogen in NTP, IARC or OSHA 1910(z) (specify) |
|------------------|-------|-----------------------------|-----------|---|
| 1317-65-3 | <50 | Calcium Carbonate | 30-60 | No |
| 12174-11-7 | <10 | Magnesium Aluminum Silicate | 3-13 | No |
| 14808-60-7 | <1 | Crystalline Quartz Silica | n/a | No |
| 9003-29-6 | <10 | Butene Polymer | 10-20 | No |
| 25038-36-2 | <10 | Synthetic Polymer | 0.1-1.0 | No |
| 133-86-4 | <.001 | Carbon Black | .005-.009 | No |
| 2083-79-3 | <.001 | Antioxidant | .001-.006 | No |
| 9004-34-6 | <1 | Cellulose Fiber | 1-10 | No |
| 14807-96-6 | <10 | Aluminum Silicate | 15-35 | No |
| 61790-12-3 | <1 | Tall Oil Rosin | 1-7 | No |
| 64742-53-6 | <1 | Naphthenic Wax | 1-8 | No |

SECTION II - PHYSICAL DATA

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| BOILING POINT None °F °C | SPECIFIC GRAVITY (H ₂ O=1) 1.65 | PERCENT VOLATILE BY VOLUME (%) 2 |
| SOLUBILITY IN WATER Non-aqueous | pH = N/A | PERCENT SOLID BY WEIGHT (%) ~98 |
| APPEARANCE AND ODOR Dark Gray Putty, Mild Rubber Odor | IS MATERIAL: LIQUID <input type="checkbox"/> SOLID <input checked="" type="checkbox"/> GEL <input type="checkbox"/> GAS <input type="checkbox"/> PASTE <input type="checkbox"/> POWDER <input type="checkbox"/> | |

SECTION III - FIRE AND EXPLOSION HAZARD DATA

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|---|-----------------------------|------------------|-------------------|-------------------|
| FLASH POINT 590°C | method used C.O.C | FLAMMABLE LIMITS | LEL N/E | UEL N/E |
| EXTINGUISHING MEDIA Use water, foam, carbon dioxide or dry chemical | | | | |
| SPECIAL FIRE FIGHTING PROCEDURES None known. Firefighters should wear a self-contained breathing apparatus. Oxides of nitrogen and carbon may evolve. | | | | |
| UNUSUAL FIRE AND EXPLOSION HAZARDS None known | | | | |

* None of the chemical raw materials contained in this formulation are considered hazardous under the Federal Hazards Communication Standard 29 C. F. R 1910.1200

SECTION IV - HEALTH HAZARD INFORMATION

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| EFFECTS OF OVEREXPOSURE - Conditions to Avoid | N/A |
| THRESHOLD LIMIT VALUE | See above |
| PRIMARY ROUTES OF ENTRY Inhalation <input type="checkbox"/> Skin Contact <input checked="" type="checkbox"/> Other (specify) | |
| EMERGENCY FIRST AID PROCEDURES | |
| SKIN CONTACT: | If too sensitive, seek medical attention |
| EYE CONTACT: | Do not remove, seek medical attention |
| INGESTION: | Not likely. If ingested, constipation or blockage may occur. Seek medical attention |

SECTION V - REACTIVITY DATA

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|--|----------------|---|---------------------|
| STABILITY | UNSTABLE | | CONDITIONS TO AVOID |
| | STABLE | X | N/A |
| INCOMPATIBILITY (materials to avoid) | | | |
| Strong oxidizers, acids, bases | | | |
| HAZARDOUS DECOMPOSITION PRODUCTS: | | | |
| Oxides of nitrogen and carbon may evolve | | | |
| HAZARDOUS POLYMERIZATION | MAY OCCUR | | CONDITIONS TO AVOID |
| | WILL NOT OCCUR | X | |

SECTION VI - SPILL AND LEAK PROCEDURES

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| STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED | N/A |
| WASTE DISPOSAL METHOD | Comply with Federal, state and local regulations for solid landfill |
| CERCLA (Superfund) REPORTABLE QUANTITY (in lbs) | N/A |
| RCRA HAZARDOUS WASTE NO. (40CFR 261.33) | N/A |
| VOLATILE ORGANIC COMPOUND (VOC) (as packaged, minus water) | 17 grams/liter |
| <input type="checkbox"/> Theoretical _____ lb/gal | N/A |
| <input type="checkbox"/> Analytical _____ lb/gal | |

SECTION VII - PERSONAL PROTECTION INFORMATION

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|--|-------------------------------------|-------------------------------|---------|
| RESPIRATORY PROTECTION (specify type) | | | |
| N/A | | | |
| VENTILATION | LOCAL EXHAUST (Specify Rate) | N/A | SPECIAL |
| | MECHANICAL (General) (Specify Rate) | N/A | N/A |
| PROTECTIVE GLOVES (specify type) | | EYE PROTECTION (specify type) | |
| Cotton if needed | | Safety glasses or goggles | |
| OTHER PROTECTIVE EQUIPMENT | | | |
| For sensitive individuals, protect skin from contact | | | |


SECTION VIII - SPECIAL PRECAUTIONS

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| PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING | Store in a cool, dry place |
| OTHER PRECAUTIONS | Wash hands with soap and water before eating |

SECTION IX - ADDITIONAL INFORMATION

This product contains the following materials that are subject to the reporting requirements of Section 313 of EPCRA: 14808-60-7 Crystalline Quartz Silica - .5%

N/A = Not Applicable, N.E. = None Established

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| THIS MATERIAL SAFETY DATA SHEET PREPARED BY: | |
| NAME James R. MacMurdo | SIGNATURE  |
| TITLE Director, Corporate Quality Assurance | |
| DATE 6/12/2003 | |

