

BBC Biochemical MATERIAL SAFETY DATA SHEET

Section 1. Chemical Product and Company Information

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| Common Name: Acetone | Code: |
| Supplier: BBC Biochemical | MSDS#: Acetone |
| Synonym: None. | Validation Date: 2-19-09 |
| Trade Name: None. | Print Date: 2-19-09 |
| Material Uses: Dehydrating solution. | Responsible Name: Dr. B |
| Manufacturer: BBC Biochemical PO Box 1320 409 Eleanor Lane Mount Vernon, WA 98273 1-800-635-4477 | In Case of Emergency: 1-800-424-9300 Chemtrec USA 1-202-483-7616 Chemtrec Intrl 1-800-635-4477 |

Section 2. Composition and Information on Ingredients

| Name | CAS# | OSHA PEL/TWA | Exposure Limits |
|------------------|---------|--------------|------------------|
| 1) Acetone, 100% | 67-64-1 | 1000 ppm TWA | None established |

Section 3. Hazards Identification

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| Physical State and Appearance | Colorless liquid with characteristic odor. |
| Emergency Overview | Not available. |
| Routes of Entry | Inhalation, ingestion, and skin absorption. |
| Potential Acute Health Effects | |
| Eyes | Irritation. |
| Skin | Irritation. |
| Inhalation | May cause dizziness, headache, nausea, and narcosis. |
| Ingestion | May cause blindness, nausea, damage to gastrointestinal tract, liver, kidneys, and cardiovascular system. |
| Potential Chronic Health Effects | Components not listed (IARC, NTP, OSHA) as cancer causing agents. |
| Medical Conditions Aggravated by Overexposure/Overexposure/Signs/Symptoms | Kidney, liver, heart, and GI conditions. |

Section 4. First Aid Measures

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| Eye Contact | Immediately flush thoroughly with water for at least 15 minutes. |
| Skin Contact | Wash area thoroughly with copious amounts of water. Remove contaminated clothing and clean before wearing again. |
| Inhalation | Remove to fresh air; give artificial respiration if breathing has stopped. |
| Ingestion | If conscious, drink water and seek medical attention. Do not induce vomiting. |
| Notes to Physician | Not available. |

Section 5. Fire Fighting Measures

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| Flammability of the Product | Flammable. NFPA 1-3-0 |
| Auto-ignition Temperature | 869° F |
| Flash Points | 1.4° F |
| Flammable Limits | Lower Explosion Limit 2.5% Upper Explosion Limit 12.8% |
| Products of Combustion | Not available. |
| Fire Hazards in Presence Of Various Substances | Not available. |
| Explosion Hazards in Presence of Various Substances | Not available. |

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| Fire Fighting Media and Instructions | Dry chemical, carbon dioxide, alcohol foam. Use water spray to cool fire-exposed containers and disperse vapors. Use water spray. Use water spray to cool fire exposed tanks and containers. Acetone/water solutions that contain more than 2.5% acetone have flash points. When the acetone concentration is greater than 8% (by weight) in a closed container, it would be within the flammable range and cause fire or explosion if a source of ignition were introduced. |
| Protective Clothing (Fire) | Fire fighters should use self-contained breathing apparatus and protective clothing. |
| Special Remarks on Fire Hazards | Vapor can travel distances to ignition source and flash back. |
| Special Remarks on Explosion Hazards | |

Section 6. Accidental Release Measures

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| Small Spill and Leak | Evacuate the area of all unnecessary personnel. Wear suitable protective equipment. Eliminate all sources of ignition and provide ventilation. |
| Large Spill and Leak | Same as above. |

Section 7, Handling and Storage

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| Handling | Use adequate ventilation. Avoid repeated or prolonged skin contact or breathing of vapors. Do not breathe vapors. Do not get in eyes. Ground and bond containers when transferring material. Do not use air pressure to unload containers. |
| Storage | Store and use in areas away from heat, sparks, and open flame. Store in tightly closed containers in a cool, dry, well-ventilated, fire-resistant area. Store away from oxidizing agents. |

Section 8. Exposure Controls / Personal Protection

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| Engineering Controls | |
| Personal Protection | |
| Eyes | Safety glasses with approved side shields should be worn at all times. |
| Body | Protective clothing, such as a lab coat, to minimize skin contact. |
| Respiratory | Use NIOSH or MSHA approved respirators in absence of proper environmental control. |
| Hands | Neoprene, Nitrile or equivalent protective gloves. |
| Feet | Impervious footwear should be worn to prevent skin contact. |
| Personal Protection in Case of a Large Spill | See above. |
| Product Name | Exposure Limits |
| 1) | |
| 2) | |
| 3) | |
| Consult Local authorities before acceptable exposure limits. | |

Section 9. Physical and Chemical Properties

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| Physical State and Appearance | Colorless liquid. | Odor: | Sweet pungent. |
| Molecular Weight | 58.08 g/mole | Taste: | Vinous. |
| Molecular Formula | Not applicable. | Color: | Colorless. |
| pH (1%/Water) | Not applicable. | | |
| Boiling/Condensation Point | 133° F | | |
| Melting/Freezing Point | -137.2° F | | |
| Critical Temperature | Not applicable. | | |
| Specific Gravity | 0.79 | | |
| Vapor Pressure | 181 mmHg @20 ° C | | |
| Vapor Density | Not applicable. | | |
| Volatility | Not applicable. | | |
| Odor Threshold | 62 ppm | | |
| Evaporation Rate | Not applicable. | | |
| VOC | Not available. | | |
| Viscosity | Not available. | | |
| Ionicity (in water) | Not available. | | |
| Dispersion Properties | Not available. | | |
| Solubility | Complete in water. | | |
| Physical Chemical Comments | Not available. | | |

Section 10. Stability and Reactivity

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| Stability and Reactivity | Stable. |
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Section 15. Other Information

Label requirements

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| Hazardous Material Information System (U.S.A.) | Health | 1 | National Fire Protection Association (U.S.A.) | |
| | Fire Hazard | 3 | | |
| | Reactivity | 0 | | |
| | Personal Protection | | | |

References

Other Special Considerations

Notice to Reader

To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein.