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**Safety Data Sheets (SDS)**

**Knowledge Probe (KP)**

**Participant Guide**

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|  | **KP Description and Purpose**  Being able to locate and interpret a Safety Data Sheet (SDS) is important to anyone involved in the fabrication of MEMS devices. MEMS fabrication requires several hazardous chemicals. A SDS explains these hazards and provides information necessary to protect one's self and how to respond to an emergency involving a certain chemical. One should always study a chemical's SDS prior to working around or handling a chemical. *(Note: Prior to 2013 SDS was called MSDS)*  This knowledge helps you to identify what you do and don’t know about the SDS. |

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|  | Following are ten (10) knowledge probe questions. Answer them to the best of your knowledge. |

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|  | What is a SDS? |
|  | 1. Standard Data Sheet 2. Safety Data Statistics 3. Safety Data Sheet 4. Supplier Data Sheet |

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|  | For which type of chemicals does OSHA require a SDS? |
|  | 1. Only those that pose a health hazard 2. Only those that are flammable 3. Only those that are considered hazardous to health and environment 4. All chemicals in a facility |

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|  | Who is responsible for developing a SDS for a chemical? |
|  | 1. OSHA 2. The chemical manufacturer 3. The chemical buyer 4. NFPA |

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|  | OSHA requires that SDS's are readily accessible to all employees. This can be through having accessible copies on the premises or having access to the Internet to acquire a copy. |
|  | 1. True 2. False |

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|  | Which of the following is NOT a mandatory requirement by OSHA to be included in a SDS? |
|  | 1. Physical / Chemical Properties 2. Handling and Storage requirements 3. Control Measures 4. Transport information |

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|  | In which section of a SDS would you find the safety information listed in Figure 1? |
|  | 1. Health Hazards and First Aid 2. Spill or Leak Procedures 3. Control Measures 4. Fire / Explosion Hazards Data |

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|  | C:\xtProject\Saf_HazMat_KP30\graphics\spill_info.jpg |
|  | Figure 1. |

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|  | Which of the following is considered a "product name"? |
|  | 1. Ammonia 2. Chlorine solution 3. Window cleaner 4. Cl2 |

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|  | The information in Figure 2 would be found in which section of a SDS. |
|  | 1. First-aid measures 2. Hazard Identification 3. Physical and chemical Properties 4. Stability and Reactivity |

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|  | C:\xtProject\Saf_HazMat_KP30\graphics\properties_info.jpg |
|  | Figure 2 |

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|  | PEL stands for \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_. |

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|  | In which section of a SDS would one find "conditions to avoid?" |
|  | 1. Health Hazards 2. Physical / Chemical Properties 3. Fire and Explosion Hazard Data 4. Reactivity Data |

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