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Section 1. Chemical Product and Company Identification

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| <i>Product name</i> Acculam® Epoxyglas WR (Cowskin) | <i>Trade Name</i> NEMA Grades G10, G11, FR4, FR 5 |
| <i>Product Description</i> Rigid composites having a glass fabric reinforcement with an epoxy resin binder and treated surface membranes | |
| <i>Manufacturer</i> Accurate Plastics, Inc. 18 Morris Place Yonkers, NY 10705-1929 | <i>IN CASE OF EMERGENCY:</i> Tel: 914-476-0700 Chemtrec: |
| <i>Date of Preparation:</i> 4/22/2015 | <i>Replaces:</i> 12/14/13 |
| <i>Preparers Name</i> KJ Soltys | |

Section 2. Hazards Identification

As received this product is not classified as hazardous by OSHA. Dust and fumes generated during machining and processing of this product are classified as hazardous according to OSHA standards.

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| GHS Classification of Epoxyglas at Ambient Conditions | |
| Inhalation | Not Classified |
| Skin | Not Classified |
| Eyes | Not Classified |
| Ingestion | Not Classified |
| Cancer | Not Classified |
| Chronic | Not Classified |
| GHS Classification of Epoxy Fiberglass Laminate Dust and Fumes | |
|   WARNING! | |
| Hazard Statements | |
| Dust generated during machining and grinding operations may cause eye irritation | H 315; H332 |
| Fumes from thermal decomposition or burning may irritate eyes, nose & respiratory system | H 315; H 320; H332; H 335 |
| Dust generated by machining operations can be explosive. Dust may | H 201 Mass explosion hazard. . |

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| accumulate to explosive concentrations in uncontrolled environments. | |
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| Precautionary Statements | |
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| Avoid eye exposure to dust and fumes | P262 |
| Avoid skin contact with dust and fumes | P 261 |
| In case of inadequate ventilation wear respiratory protection | P 285 |

Section 3. Composition, Information on Ingredients

| Component Information | |
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| Chemical Name | CAS # |
| Fiberglass | 65997-17-3 |
| Epoxy Resin | 25036-25-3 |

Section 4. First Aid Measures

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| Eyes | Immediately wash the eyes with large amounts of water for at least 15 minutes, occasionally lifting the lower and upper lids. Get medical attention immediately. Contact lenses should not be worn when working with this material. |
| Skin | Immediately wash the contaminated skin with soap and water. If redness, itching or a burning sensation develops, get medical attention. |
| Inhalation | Immediately move the exposed person to fresh air. If not breathing give artificial respiration and get immediate medical attention. |
| Ingestion | If large quantities of dust or particles have been swallowed, DO NOT INDUCE VOMITING. Treat symptoms. Get medical attention immediately. |

Section 5. Fire Fighting Measures

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| Flash Point | N/D |
| Flammability Classification OSHA/NFPA | Flash Pt. <00°F Class: Solid |
| Extinguishing Media | Carbon dioxide, water, foam. |
| Unusual Fire and Explosions Hazards | Isolate fire area and deny unnecessary entry. Fire fighters should wear positive-pressure self-contained breathing apparatus (SCBA) and protective clothing. Dust from machining and fabrication operations may be explosive if mixed with air in critical proportions in the presence of an ignition source. Heat from fire can generate decomposition products that may cause a health hazard. |

Section 6. Accidental Release Measures

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| Small Spills | Contain and manage dust during manufacturing. If collected dust is spilled from collection container sweep up spilled material using water spray to suppress the dust. Shovel into suitable disposal container. Eliminate all ignition sources. |
| Large Spills | Eliminate all ignition sources. Sweep up spilled material using water spray to suppress dust. Transfer to proper containers for disposal. Persons not wearing protective equipment should be excluded from the area of spill until cleanup has been completed. |

Section 7. Handling & Storage

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| Store material in a clean, cool, ventilated area away from all sources of ignition. Dust generated during normal manufacturing operations can represent both a health hazard and a fire hazard. Use dust control equipment at the point of generation in machining and grinding operations. Wash hands and other exposed areas thoroughly after handling and wash soiled clothing before reuse. |
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Section 8. Exposure Controls/Personal Exposure

| Component Information | | Exposure Limits | |
|--|--|-----------------------------|---|
| Chemical Name | CAS # | TLV, TWA ACGIH | OSHA PEL, TWA |
| Fiberglass | 65997-17-3 | 10 mg/m ³ (dust) | 15 mg/m ³ (total dust) 5 mg/m ³ (respirable) |
| Epoxy Resin | 25036-25-3 | 10 mg/m ³ (dust) | 10 mg/m ³ (dust) |
| Grinding, cutting, or drilling epoxy fiber glass plastic produces nonrespirable fiber shaped plastic (organic) dust and respirable fibrous glass dust regulated by OSHA as noted above | | | |
| Eye Protection | Minimize dust generating activities. Wear safety goggles with side shield or face shield. Contact lenses must not be worn. | | |
| Skin Protection | Wear gloves to protect against sharp edges and thermal effects when handling heated material. To prevent repeated or prolonged skin contact, wear impervious clothing and boots. | | |
| Respiratory Protection | If personal exposure cannot be controlled below applicable limits (See Section 2) by area ventilation, wear a properly fitted particulate respirator approved by NIOSH/MSHA for protection against dust. | | |
| Ventilation | General area ventilation is acceptable if the exposure is maintained below applicable exposure limits. (See Section 8) Use local exhaust for sawing and machining operations. | | |
| Other Precautions | Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. | | |

Section 9. Physical and Chemical Properties

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| % Volatile Content by Weight | <0.05% | Specific Gravity (gm/cc) | 1.6 |
| Melting Point | N/A | Freezing Point (°C) | N/A |
| Vapor Pressure (mm Hg) | N/A | Solubility in Water | Insoluble |
| Vapor Density (Air=1) | N/A | Appearance and Odor | Yellow to light green solid |

Section 10. Stability and Reactivity

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| Stability | Stable |
| Conditions to Avoid | Protect from heat, sparks, flame and possible sources of ignition. |
| Incompatibility | Avoid contact with strong acids and bases. |
| Hazardous Decomposition Products | Carbon dioxide, carbon monoxide, bromine and other hazardous gases. These gases and other volatiles may be generated under normal processing conditions. |
| Hazardous Polymerization | Will Not Occur! |

Section 11. Toxicological Information (see Section 3. for Exposure Symptoms)

| Acute Toxicity | | | |
|-----------------------------------|-----------------------------|----------------------------------|---------------------------------------|
| Component Tested | Oral LD ₅₀ (rat) | Dermal LD ₅₀ (rabbit) | Inhalation LC ₅₀ 4hr (rat) |
| Glass Fiber (continuous filament) | N/D | N/D | N/D |

N/D = Not Determined

Section 12. Ecological Information

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| If manufacturing by products, scraps and dust are disposed of according federal guidelines for nonregulated waste, then these materials will pose no threat to the environment. Not biodegradable. |
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Section 13. Disposal Considerations

RCRA: This product, if disposed as shipped, is not considered a hazardous waste as specified in 40 CFR 261. Dispose of in accordance with all applicable federal, state and local regulations. Generation of particulates during machining and fabricating operations may be subject to Federal and State Air Pollution Control Laws.

Section 14 Transportation Information

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| This product, if offered for shipment, is not regulated by USDOT 49 CFR Parts 171 - 180: Regulation of Hazardous Materials Transportation in Commerce. | |
| Shipping Information | N/A |
| Classification | N/A |
| Identification | N/A |
| Packing Group | N/A |
| Label | N/A |
| NOT REGULATED AS HAZMAT | |

Section 15. Regulatory Information

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| <i>Regulations Governing Product:</i> | | | |
| Inventory Status: United States (TSCA) - All ingredients are on the inventory or exempt from listing. | | | |
| SARA TITLE III | | | |
| EPCRA 302 EHS Extremely Hazardous Substance Reporting: | | N/A | |
| EPCRA 311/312 Tier II Chemical Inventory Reporting: | | N/A | |
| <i>Regulations Governing Ingredients</i> | | | |
| <i>Chemical Name</i> | <i>CAS #/Chemical Category</i> | <i>CERCLA RQ</i> | <i>SARA TITLE III EPCRA 313 RQ</i> |
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Section 16. Other Information

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| <u>REFERENCES</u> |
| CRC Press: Handbook of Chemical and Physical Constants by David R. Lide |
| Merck & Company: The Merck Index |
| Sigma-Aldrich Company: Aldrich Handbook of Fine Chemicals |
| Dictionary of Toxicology by Robert Lewis |
| US Department of Commerce, Center for Disease Control, National Library of Medicine TOXNET |
| US Department of Transportation, Research and Special Programs Administration: Hazardous Materials Table, Special Provisions, Hazardous Materials Communications, Emergency Response Information, and Training Requirements |

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