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Section 1. Chemical Product and Company Identification

<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	Replaces: 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.

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. .

accumulate to explosive concentrations in uncontrolled environments.	
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Precautionary Statements	
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	
Chemical Name	CAS #
Fiberglass	65997-17-3
Epoxy Resin	25036-25-3

Section 4. First Aid Measures

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

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

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

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.

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

% 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

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

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

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

<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>

Section 16. Other Information

REFERENCES

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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