

Product Identification: Aqua-Resin® S3™, Blu-Resin™ Powder, SF, G, EZG Powder Component, Aqua-Resin® PWC-1, SWC-2, P, EZG, 5556, 5550 Powder Additive

Section I:

Manufacturer's Name:	Aqua-Resin®	Emergency Phone:	212.226.1208
Address:	16 Greene Street New York, NY 10013	Date:	June 30, 2008
		Supersedes all previous Material Safety Data Sheets	

Section II: Composition Information, or Ingredients

Components	CAS #	OSHA PEL mg/m ³	ACGIH TLV mg/m ³	
Proprietary Powdered Polymer		15/5		non-hazardous
Proprietary Cement		15/5		non-hazardous
Proprietary Filler		15/5		non-hazardous
Ammonium Caseinate	9005-42-9	NE	NE	
Gypsum	7778-18-9	15/5	10	
Starch	9005-25-8	15/5	10	
Proprietary Stabilizer		15/5		non-hazardous

15/5: 15 total / 5 respirable

Section III: Physical/Chemical Characteristics

Boiling Point:	NA	Solubility in Water:	Slight
Vapor Pressure (mm Hg):	NA	Appearance:	Powders-whitish to pink. Additives - reddish brown
Vapor Density (Air=1):	NA		
Specific Gravity:	ca. 3.0		
Melting Point:	NA	Odor:	slight, agreeable
Evaporation Rate	NA		

Section IV: Fire and Explosion Hazard Data

LEL:	NA	Special Fire Fighting Method:	None
UEL:	NA	Unusual Fire/Explosion Hazard:	None
Extinguishing Media:	NA		

Section V: Reactivity Data

Stability			
Unstable:	Stable: X	Conditions to Avoid:	Moisture
Incompatibility:	Concentrated acids		
Hazardous Decomposition or Byproducts:	CaO and SO ² , above 1400 ⁰ C; others not known		
Hazardous Polymerization May Occur:	Will Not Occur: X	Conditions to Avoid:	N/A

Section VI: Health Hazard Data

Routes of Entry Signs and Symptoms of Overexposure

Inhalation:	Acute When large quantities of dust are present coughing, sneezing, and nasal irritation may occur. (see carcinogenicity below)	Chronic None Known
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Ingestion:	<u>Acute</u> These products, if ingested in dry form, may harden internally, as they will when mixed with Aqua-Resin liquid components, or other aqueous materials. If ingested, large volumes of water or a gelatin solution may retard setting; consult physician.	<u>Chronic</u> None known
Eyes:	Irritation, if exposed to excess dust.	None known
Skin:	When mixed with Aqua-Resin liquid components, or other aqueous materials, heat may be generated; avoid contact with skin.	None known

Carcinogenicity:

There are no ingredients in these formulations that, in themselves, are classified by IARC, NTP, or ACGIH as posing a cancer risk—either singly or in combination. The gypsum (plaster) component of these formulations may contain crystalline silica as a contaminant (less than 1%). The portion of the crystalline silica, with a particle size small enough to be inhaled, respirable crystalline silica (RCS), is considered a cancer risk by the three major reporting agencies: IARC – category 1, *carcinogenic to humans*; NTP –category 1, *known to be carcinogen*; ACGIH- category A2, *suspected human carcinogen*.

The RCS weight percent in these products has not been determined; RCS, if present at all, we believe is reliably reported by the material source to be substantially below regulatory exposure limits. Testing of plasters from the gypsum used in these formulations report no RCS in dust samples. In addition, test results of Industrial Hygiene Studies of other plasters from the same geologic source as this product, regarding RCS, were also negative. It is therefore not expected, that during normal use of this product, there would be exposure to RCS.

Toxicologist’s Statement: *This product is formulated with a special gypsum product that contains no measurable levels of respirable crystalline silica. Chronic exposure to high levels of respirable crystalline silica has been associated with an increased incidence of chronic lung disease and bronchiogenic cancer.*

Emergency and First Aid

Inhalation:	Remove to fresh air.
Ingestion:	Consult physician
Eyes:	Flush immediately with water as needed. Consult physician in case of irritation.
Skin:	Rinse with soap and water.

Medical Conditions Generally Aggravated by Exposure: Pre-existing upper respiratory and lung diseases.

Precautionary Labeling

	HMIS	NFPA
Health	0	0
Flammability	0	0
Reactivity	0	0
Other	-	N/A

Rating Scale: 0 = Minimal Hazard, 1 = Slight Hazard, 3 = Serious Hazard, 4 = Extreme Hazard

Section VII:

Precautions for Safe Handling and Use

Steps to be Taken In Case Material is Spilled or Released:	Sweep or vacuum; dispose using normal means for dry waste. Do not dispose of in drain.
Waste Disposal Method:	Dispose of solid material according to local, state and federal regulations.
Precautions to be Taken in Storing and Handling:	Avoid dusting.
Other Precautions:	Avoid moisture. Once Aqua-Resin® powder components have been reacted with the appropriate liquid component, cured and hardened, if sanding is necessary, wet sand to control dust.

CAUTION: Do not allow an Aqua-Resin® Liquid/Powder mix to harden on, or encase any part of the body. Doing so, because of the heat generated, the possible expansion of the material, and the difficulty of removal in a timely manner, may cause serious bodily injury, **including the possibility of amputation of a body part.**

Section VIII:

Control Measures

Respiratory Protection:	None needed under anticipated conditions of use. In case of excess dusting, a NIOSH/MSHA approved respirator.
Ventilation:	
Local Exhaust:	None, unless exposure limits exceeded.
Mechanical (general):	None, unless exposure limits exceeded.
Special or Other:	N/A
Protective gloves:	None. For mixtures with Aqua-Resin® liquids, neoprene gloves recommended (other gloves may also be suitable).
Eye Protection:	None. In cases of excess dusting, goggles recommended.
Other Protective Equipment or Clothing:	None
Work/Hygiene Practices:	Common sense precautions only.

Section IX:

Transportation Classification

US DOT Hazard Class: Not Regulated

Note: NA – Not Applicable

ND – Not Determined

NE – Not Established

The information in this MSDS relates only to the specific materials designated, and to the specific Aqua-Resin® products identified in our instructions. It does not relate to use in combination with any other materials or processes. This information is provided in good faith, and as of the date of this document, is believed to be correct. However, Aqua-Resin® does not make any representation as to its accuracy or completeness. Users are advised to make their own determination as to the suitability of this product for their particular purpose. Accordingly, Aqua-Resin® disclaims responsibility for damages of any kind resulting from the use of this information.

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