

[Print](#)[Close](#)**Aremco Products, Inc. - Graphi-Bond 551-RN MSDS**

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Product: Graphite Adhesive

**(1) Identification**

Identity Graphi-Bond 551-RN

**(2) Ingredients (Inert and Hazardous)**

Graphite C.A.S. # 7782-42-5  
ACGIH TLV - 15 mg/M3  
OSHA PEL - N/D

Isopropanol C.A.S. # 67-63-0  
ACGIH TLV - 400 ppm  
OSHA PEL - N/D

Phenolic Resin C.A.S. # 9003-35-4  
ACGIH TLV - N/D  
OSHA PEL - N/D

Health: 1

Flammability: 0

Reactivity: 0

**(3) Physical Data**

Boiling Point 170 °C

Melting Point N/A

Evaporation Rate 1.0

Solubility in Water Miscible

Appearance Black, viscous paste

Specific Gravity 1.44

Vapor Pressure N/A

Vapor Density >1

Odor Alcohol odor

**(4) Fire and Explosion Data**

Flash Point 86 °C

Lower / Upper Explosive Limit N/A

Extinguishing Media	Any approved Class B fire extinguishing agent may be used.
Special Fire Fighting Procedures	Use self contained air supplied breathing apparatus.
Unusual Fire and Explosion Data	N/A
(5) Health Hazard Data	
Effects of Overexposure	
Inhalation	Causes irritation to the respiratory tract; may cause sneezing, burning, or itching in nose and throat. May aggravate asthma and lung diseases.
Dermal Exposure	Causes skin irritation; may cause itching and burning of skin.
Eye Irritation	Causes eye irritation; may cause pain, redness, and tearing. May aggravate any existing skin diseases.
Ingestion	Causes irritation to the esophagus and stomach.
Emergency and First-Aid Procedures	
Eyes	Wash eyes with plenty of water for a minimum of 10 minutes. Consult a physician to ensure against any possible irritation.
Skin	Wash affected area with plenty of soap and water. If a rash appears, consult a physician.
Ingestion	Drink copious amounts of water and induce vomiting. Never give anything to an unconscious person. Get immediate medical attention.
Inhalation	Remove individual to fresh air.
(6) Reactivity Data	
Hazardous Polymerization	Will not occur
Hazardous Decomposition or By Products	Hydrogen - see "Conditions to Avoid".
Stability	Stable
Conditions to Avoid	Flammable hydrogen gas may be produced on prolonged contact with metals such as aluminum, tin, lead, and zinc., in an alkaline environment.
Incompatibility	Gels when mixed with acid.
(7) Precautions for Safe Handling and Use	
Steps to be Taken in Case Material is Released or Spilled	Isolate, dike and store discharged material, if possible. Otherwise disperse and flush with water, observing environmental protection regulation.
Waste Disposal Method	Dispose of in accordance with local, state, and Federal regulations.
Precautions to be taken in handling and storage	Do not allow material to freeze.
(8) Special Protection Information	
Use NIOSH approved mist respirator where spray occurs. Use of rubber gloves and chemical goggles is recommended.	
Good industrial hygiene practice requires that employee exposure be maintained below the recommended TLV. This is preferably achieved through the provision of adequate ventilation where necessary. Where mist cannot be controlled in this way, personal respiratory protection should be employed.	

**(9) Disclaimer of Liability**

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