

SAFETY DATA SHEET

IG-550 Black Part A

Date Prepared: 01-18-2021

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SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME : IG-550 Black Part A FORMULA NUMBER : JH4211

RECOMMENDED USE: Epoxy

MFG'S NAME: IG Products
11 Old Dock Rd.
Yaphank, NY 11980
(631)-247-0744

EMERGENCY TELEPHONE NO.:1-800-332-3883

SECTION 2: HAZARD IDENTIFICATION

HMIS RATING:

Health = 2 Flammability = 3 Reactivity = 1 Protection = B

0=Insignificant 1=Slight 2=Moderate 3=Serious 4=Severe

Potential Health Effects

Eye Contact: May cause eye irritation and burns

Skin Contact: May cause slight irritation to skin.

Inhalation: Vapors may cause headaches, nausea, dizziness and respiratory irritation.

Ingestion: May cause irritation, nausea, vomiting and diarrhea.

SECTION 3: COMPOSITION/ INFORMATION ON INGREDIENTS

Ingredients	CAS #	% Wt
epoxy resin	25068-38-6	10 - 20 %
alkyl glycidyl ether	68609-97-2	< 2%
modified epoxy resin	74398-71-3	< 3%
amorphous silica	67762-90-7	< 0.5 %
carbon black	1333-86-4	< 0.5 %
alumino-silicate mineral	37244-96-5	10 - 20 %
silicon dioxide	14808-60-7	30 - 40 %
aluminum oxide	1344-28-1	20 - 30 %
1-methoxy-2-propanol	107-98-2	< 5 %
hydrocarbon solvent	64742-88-7	< 0.5 %

SECTION 4: FIRST AID MEASURES

Description of First Aid Measures

General: If irritation or other symptoms occur or persist from any route of exposure, remove the affected individual from the area: see a physician and get medical attention if symptoms occur.

Eye Contact: Flush immediately with large volumes of water for at least 15 mins. Get medical treatment.

Skin Contact: Wash well with Soap & Water.

Inhalation: Remove to fresh air. Give Oxygen if breathing is difficult.

Get medical attention.

Ingestion: Consult physician or Poison Control Center Immediately.

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SECTION 5: FIRE FIGHTING MEASURES

Flash Point Deg F - 90 Flammability Limits
 Method Used - TCC Lel - 3 Uel - 12
 Extinguishing Media - Dry Chemical, Foam, or Carbon Dioxide. Water may be ineffective.
 Special Fire Fighting Procedures - Fight as volatile liquid fire. Use water to keep fire-exposed containers cool to reduce pressure.
 Unusual Fire and Explosion Hazards - Keep away from heat sparks and open flame.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Spill or Leak Procedures
 Spills - Absorb liquid on paper and pick up with shovel. Powders and cements may be swept up using dustless method.
 Waste Disposal Methods - Place in closed containers. Do not close containers tightly as gassing may develop in some products. Dispose of in an approved land fill in accordance with local and federal regulations.
 This product, if disposed as shipped, is not a hazardous waste as specified in 40 CFR261.

SECTION 7: HANDLING AND STORAGE

Respiratory Protection - NIOSH approved organic vapor cartridge or respirator designed to remove combination of particulates and vapor where concentrations are encountered.
 Ventilation - Local exhaust capable of minimizing vapor concentrations. Use with adequate ventilation.
 Precautions to be taken in handling & storage - Practice reasonable care and cleanliness.

SECTION 8: EXPOSURE CONTROLS/ PERSONAL PROTECTION

Exposure Limits 8 hrs. TWA

Ingredients	OSHA PEL	ACGHI TLV
epoxy resin	* not est	* not est
alkyl glycidyl ether	* not est	* not est
modified epoxy resin	* non haz	* non haz
amorphous silica	* non haz	* non haz
carbon black	3.5 mg/m3 dust	3.5 mg/m3 dust
alumino-silicate mineral	10 mg/m3 dust	10 mg/m3 (dust)
silicon dioxide	0.3 mg/m3 dust	0.025mg/m3 dust
aluminum oxide	5 mg/m3 dust	1 mg/m3 dust
1-methoxy-2-propanol	100 ppm	100 ppm
hydrocarbon solvent	200 ppm	200 ppm

Personal Protection

Eye Protection: Safety glasses with side shields.
 Skin Protection: Wear impervious gloves to avoid repeated or prolonged skin contact.
 Respiratory Protection: NIOSH/MSHA approved respirator if required for dusts while using mechanical abrasion during removal or where concentrations are encountered.

Engineering Controls

Ventilation: Local exhaust capable of minimizing vapor or dust concentrations.

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SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Boiling Point deg.F - 275	Weight\Gallon @77F- 17.34 lbs
Vapor Pressure- 3.8 mmHg	% volatile by vol.- 10 - 25%
Vapor Density - 3.9	Evaporation Rate - .12
	BuAc=1

SECTION 10: STABILITY AND REACTIVITY

Stability - STABLE - Hazardous polymerization may occur.
Conditions to Avoid -Avoid contact with Acids and Oxidizing agents.
Thermal Decomposition may produce carbon monoxide, carbon dioxide and oxides of nitrogen.

SECTION 11: TOXICOLOGICAL INFORMATION

Potential Health Effects

Eye Contact: May cause eye irritation, pain, redness.

Skin Contact: May cause slight irritation to skin, redness.

Inhalation: Vapors may cause headaches, nausea, dizziness and respiratory irritation.

Ingestion: May cause irritation, nausea, vomiting and diarrhea.

SPECIAL DATA:

The carbon black pigment in this product contains less than 0.1% polynuclear aromatic hydrocarbons (PAH) , some of which, in non-adsorbed form, have been found to be carcinogens in animal studies. Carbon Black has not been listed by the NTP or OSHA. NIOSH recommends that only carbon blacks with a PAH level greater than 0.1% be considered suspect carcinogens. The International Agency for Research on Cancer (IARC) classifies carbon black as a suspect human carcinogen based on animal studies. Since the carbon black is not present in respirable form and encapsulated in the coating no over exposure to airborne dusts is to be expected.

This product contains silicon dioxide/silica. The International Agency for Research on Cancer ("IARC") concluded that there was "sufficient evidence in humans for the carcinogenicity of crysalline silica in the forms of quartz or crystobalite from occupational sources.", the overall IARC evaluation was that "crystalline silica inhaled in the form of quartz or crystobalite from occupational sources is carcinogenic to humans (Group 1). NTP, in its Ninth Annual Report on Carcinogens, has classified "silica, crystalline (respirable)" to be a carcinogen." Crystalline silica is not regulated by OSHA as a carcinogen. Since most silicon dioxide/silica is of non-respirable size and all is encapsulated in the coating no over exposure to airborne dusts is to be expected. However, during removal by mechanical abrasion, appropriate safety practices should be followed to prevent inhalation of airborne dusts.

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SECTION 12: ECOLOGICAL INFORMATION

Mobility: Water Contaminating.

Do not allow material to escape into waters, wastewater or soil.

Persistence and degradability: Not inherently biodegradable.

Taking into consideration the properties of several components, the product is estimated not to be readily biodegradable according to OECD classification.

Toxicity: Material may be toxic to aquatic organisms as shipped.

SECTION 13: DISPOSAL CONSIDERATIONS

Do not dump into sewers, on the ground, or into any body of water.

All disposal practices must be in compliance with all Federal, State and local laws and regulations.

Waste Disposal Methods - Place in closed containers. Do not

Dispose of in an approved land fill in accordance with local and federal regulations.

This product, if disposed as shipped, is not a hazardous waste as specified in 40 CFR261.

SECTION 14: TRANSPORT INFORMATION

DOT Classification - Paint, 3 (Flammable Liquid), UN1263, III

Gallon size or less ships ORM-D Consumer Commodity

SECTION 15: REGULATORY INFORMATION

SARA 313 Chemicals : None

All the ingredients of this product are on the TSCA inventory list.

All the ingredients in this product are listed on the Canadian DSL

US federal regulations: This product is a 'hazardous chemical' as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200

SECTION 16: OTHER INFORMATION

Prepared by: IG Products

Date Printed: 01-18-2016

The Following is in leu of all warranties, expressed or implied:

All information provided is based on testing and data believed to be accurate.

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SAFETY DATA SHEET

IG-550 Hardener

Date Prepared: 01-18-2016

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SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME : IG-550 Hardener FORMULA NUMBER : JH4290

RECOMMENDED USE: Epoxy Hardener

MFG'S NAME: IG Products
11 Old Dock Rd.
Yaphank, NY 11980
(631)-247-0744

EMERGENCY TELEPHONE NO.:1-800-332-3883

SECTION 2: HAZARD IDENTIFICATION

HMIS RATING:

Health = 2 Flammability = 1 Reactivity = 1 Protection = B

0=Insignificant 1=Slight 2=Moderate 3=Serious 4=Severe

Potential Health Effects

Eye Contact: May cause severe irritation and burns with corneal injury that may result in permanent impairment of vision, even blindness.

Skin Contact: Contact may cause skin irritation, burns, dermatitis, swelling, local redness, allergic skin reactions and sensitization.

Inhalation: Vapor from heated material or mists may cause serious adverse effects. Excessive exposure may cause severe irritation to upper respiratory tract and lungs

Ingestion: May cause irritation, nausea, vomiting and diarrhea and/or burns to the mouth and throat.

SECTION 3: COMPOSITION/ INFORMATION ON INGREDIENTS

Ingredients	CAS #	% Wt
Amorphous Silica	67762-90-7	5-10%
Trimethylhexamethylenediamine	25620-58-0	10-30%
4-Tert-Butylphenol	98-54-4	30-60%
Benzene-1,3-dimethaneamine	1477-55-0	10-30%

SECTION 4: FIRST AID MEASURES

Description of First Aid Measures

General: If irritation or other symptoms occur or persist from any route of exposure, remove the affected individual from the area: see a physician and get medical attention if symptoms occur.

Eye Contact: Flush immediately with large volumes of water for at least 30 mins. Remove contact lenses after the first 5 minutes & continue washing for 30 mins. Obtain prompt medical attention.

Skin Contact: Wash well with soap & water, remove contaminated clothing.

Inhalation: Remove to fresh air. Give Oxygen if breathing is difficult. Get medical attention.

Ingestion: Drink 1 or 2 glasses of water or milk to dilute. Do not induce vomiting. Do not give anything to person unless they are fully conscious.

Consult physician or Poison Control Center Immediately.

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IG-550 Hardener

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SECTION 5: FIRE FIGHTING MEASURES

Flash Point Deg F - >200
Method Used - TCC
Extinguishing Media - Dry Chemical, Foam, or Carbon Dioxide. Water may be ineffective.
Special Fire Fighting Procedures - Fight as volatile liquid fire.
Use water to keep fire-exposed containers cool to reduce pressure.
Unusual Fire and Explosion Hazards - Keep away from heat sparks and open flame.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Spill or Leak Procedures
Spills - Absorb liquid on paper and pick up with shovel.
Powders and cements may be swept up using dustless method.
Waste Disposal Methods - Place in closed containers. Do not close containers tightly as gassing may develop in some products.
Dispose of in an approved land fill in accordance with local and federal regulations.
This product, if disposed as shipped, is not a hazardous waste as specified in 40 CFR261.

SECTION 7: HANDLING AND STORAGE

Respiratory Protection - NIOSH approved organic vapor cartridge or respirator designed to remove combination of particulates and vapor in the absence of adequate ventilation or confined areas.
Ventilation - Local exhaust recommended when appropriate to control employee exposure.
Protective Gloves - Impervious gloves
Eye Protection - Chemical Splash Goggles
Other - Eye Wash
Precautions to be taken in handling and storage - Practice reasonable care and cleanliness.
Store material in cool dry location away from heat, sparks and open flame.
Other - Avoid gross contamination of skin and wash with soap & water promptly.

SECTION 8: EXPOSURE CONTROLS/ PERSONAL PROTECTION

Ingredients	OSHA PEL	ACGIH TLV
Amorphous Silica	non haz	non haz
Trimethylhexamethylenediamine	not est	not est
4-Tert-Butylphenol	not est	not est
Benzene-1,3-dimethaneamine	0.1 mg/m3	0.1 mg/m3

Personal Protection

Eye Protection: Safety glasses with side shields or splashproof goggles.
Respiratory Protection - NIOSH approved chemical/mechanical filters designed to remove a combination of particulates and vapor where concentrations are encountered.
Protective Gloves - Neoprene or Nitrile rubber gloves
Other - Impervious apron and boots; eye wash.

Engineering Controls

Ventilation: Local exhaust capable of minimizing vapor or dust concentrations.

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SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Boiling Point deg.F - N/A	Weight\Gallon @77F- 8.56 lbs
Vapor Pressure- N/A	% volatile by vol.- less than 1%
Vapor Density - 3.6	Evaporation Rate - 0.7
	BuAc=1

SECTION 10: STABILITY AND REACTIVITY

Stability - STABLE - Hazardous polymerization CANNOT occur.
Conditions to Avoid -Avoid contact with Acids and Oxidizing agents.
Thermal Decomposition may produce carbon monoxide, carbon dioxide and oxides of nitrogen.

SECTION 11: TOXICOLOGICAL INFORMATION

Potential Health Effects

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SPECIAL DATA:

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SECTION 12: ECOLOGICAL INFORMATION

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Taking into consideration the properties of several components, the product is estimated not to be readily biodegradable according to OECD classification.

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Do not dump into sewers, on the ground, or into any body of water.

All disposal practices must be in compliance with all Federal, State and local laws and regulations.

Waste Disposal Methods - Place in closed containers. Do not

Dispose of in an approved land fill in accordance with local and federal regulations.

This product, if disposed as shipped, is not a hazardous waste as specified in 40 CFR261.

SECTION 14: TRANSPORT INFORMATION

DOT Classification - Paint, 8 (Corrosive), UN3066, III

Quart size or less ships Limited Quantity (Consumer Commodity).

SECTION 15: REGULATORY INFORMATION

SARA 313 Chemicals : None

All the ingredients of this product are on the TSCA inventory list.

All the ingredients in this product are listed on the Canadian DSL

US federal regulations: This product is a 'hazardous chemical' as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200

SECTION 16: OTHER INFORMATION

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