

SAFETY DATA SHEET

IG-250 Black-PT A

Date Prepared: 01-18-2021

Page 1

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME : IG-250 Black-PT A

FORMULA NUMBER : JH3981

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 = 1 Reactivity = 0 Protection = B

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

Potential Health Effects

Eye Contact: May cause moderate eye irritation and burns

Skin Contact: May cause skin irritation, defatting, dermatitis, local redness, allergic skin reactions and sensitization.

Inhalation: Vapors may cause headaches, nausea, dizziness and respiratory irritation. 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. Aspiration of material into lungs can cause chemical pneumonitis which can be fatal.

SECTION 3: COMPOSITION/ INFORMATION ON INGREDIENTS

Ingredients	CAS #	% Wt
epoxy resin	25068-38-6	5 - 10 %
calcium metasilicate	13983-17-0	< 5 %
carbon black	1333-86-4	< 0.5 %
alumino-silicate mineral	37244-96-5	20 - 30 %
silicon dioxide	14808-60-7	30 - 40 %
aluminum oxide	1344-28-1	10 - 20 %
aromatic naphtha	64742-95-6	< 5 %
methyl n-amyl ketone	110-43-0	5 - 10 %
1-methoxy-2-propanol	107-98-2	< 3%
t-butyl acetate	540-88-5	< 2%

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.

Inhalation: Remove to fresh air. Restore breathing. Treat symptomatically. Get medical attention.

Skin Contact: Wash affected area with soap & water. Remove contaminated clothing. Consult a physician if irritation persists

Ingestion: Drink 1 or 2 glasses of water to dilute. Do not induce vomiting.

Aspiration of material into lungs can cause chemical pneumonitis which can be fatal. Consult physician or Poison Control Center Immediately.

## SAFETY DATA SHEET

IG-250 Black-PT A

Page 2

## SECTION 5: FIRE FIGHTING MEASURES

Flash Point Deg F - 102  
 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, vermiculite, floor absorbent, or other absorbent material and pick up with shovel.  
 Eliminate all ignition sources (flares, flames including pilot lights, electrical sparks). Stop spill at source.  
 This product, if disposed of as shipped meets EPA criteria as a hazardous waste as specified in 40 CFR261 on the basis of ignitability. Dispose of in a licensed hazardous waste facility in accordance with applicable laws.

## 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.  
 Do not store or use near heat, sparks or open flame.  
 Other Precautions - Avoid gross contamination of skin. Wash off with Soap and Water.

## SECTION 8: EXPOSURE CONTROLS/ PERSONAL PROTECTION

Exposure Limits 8 hrs. TWA

Ingredients	OSHA PEL	ACGHI TLV
epoxy resin	* not establshd	* not establshd
calcium metasilicate	15 mg/m3 dust	10 mg/m3 dust
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	0.3mg/m3 dust	0.025mg/m3 dust
aluminum oxide	5 mg/m3 dust	1 mg/m3 dust
aromatic naphtha	100 ppm	100 ppm
methyl n-amyl ketone	100 ppm	50 ppm
1-methoxy-2-propanol	100 ppm	100 ppm
t-butyl acetate	1500 ppm	200 ppm

## 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.

SAFETY DATA SHEET

IG-250 Black-PT A

Page 3

-----  
SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES  
-----

Boiling Point deg.F - 296.6	Weight\Gallon @77F- 15.21 lbs
Vapor Pressure- 5.1 mmHg	% volatile by vol.- 30 - 45%
Vapor Density - 3.9	Evaporation Rate - 0.7
	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 serious eye irritation, burns, pain, redness.

Skin Contact: May cause skin irritation, defatting, dermatitis, local redness, allergic skin reactions and sensitization.

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

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. Aspiration of material into lungs can cause

chemical pneumonitis which can be fatal.

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 crystalline silica in the forms of quartz or cristobalite from occupational sources.", the overall IARC evaluation was that "crystalline silica inhaled in the form of quartz or cristobalite 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 all silicon dioxide/silica is of non-respirable size and 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.

SAFETY DATA SHEET

IG-250 Black-PT A

Page 4

-----  
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.

This product, if disposed of as shipped meets EPA criteria as a hazardous waste as specified in 40 CFR261 on the basis of ignitability.

Dispose of in a licensed hazardous waste facility in accordance with applicable laws.  
-----

SECTION 14: TRANSPORT INFORMATION  
-----

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

Prepared by: IG Products

Date Printed: 01-18-2021

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

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

:

SAFETY DATA SHEET

IG-250 Hardener

Date Prepared: 01-21-2016

Page 1

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME : IG-250 Hardener

FORMULA NUMBER : J00212

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 = 2 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
polyamide/epoxy adduct	68424-41-9	40 - 50 %
TEPA-tall oil amido amine	68155-17-9	10 - 25 %
1-methoxy-2-propanol	107-98-2	10 - 25 %

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.

---

 SECTION 5: FIRE FIGHTING MEASURES
 

---

Flash Point Deg F - >131  
 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
 

---

Exposure Limits 8 hrs. TWA	OSHA PEL	ACGHI TLV
Ingredients		
polyamide/epoxy adduct	* not est	* not est
TEPA-tall oil amido amine	* not est	* not est
1-methoxy-2-propanol	100 ppm	100 ppm

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.

SAFETY DATA SHEET

IG-250 Hardener

Page 3

-----  
SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES  
-----

Boiling Point deg.F - 275	Weight\Gallon @77F- 8.08 lbs
Vapor Pressure- 3.8 mmHg	% volatile by vol.- 25 - 35%
Vapor Density - heavier than air	Evaporation Rate - slower
	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

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.  
SPECIAL DATA:

SAFETY DATA SHEET

IG-250 Hardener

Page 4

-----  
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,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: 01-21-2016

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

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

□: