

EGA950_6_0

Material Safety Data Sheet
 INTERSHIELD 9G DARK GREY

Sales
 Order: {SalesOrd}
 EGA950_6
 01/03/2011
 0-6

Bulk Sales Reference No.:
 MSDS Revision Date:
 MSDS Revision Number:



1. Identification of the preparation and company

Product Identity: INTERSHIELD 9G DARK GREY
 Bulk Sales Reference No.: EGA950_6
 Company Name: International Paint LLC
 6001 Antoine Drive
 Houston, Texas 77091

Emergency
 CHEMTREC (USA) (800) 424-9300
 International Paint (713) 682-1711
 Poison Control Center (800) 854-6813
 Customer Service
 International Paint (800) 589-1267
 Fax No. (800) 631-7481

2. Hazard identification of the product



Warning

GHS Classification:

Item	Category	Hazard
Flammability	3	Flammable liquid and vapor
Acute Toxicity (mouth)	Not classified	Not applicable
Acute Toxicity (skin)	Not classified	Not applicable
Acute Toxicity (inhalation)	Not classified	Not applicable
Acute Toxicity (ingestion)	Not classified	Not applicable
Skin corrosion/irritation	Not classified	Not applicable
Eye damage/irritation	Not classified	Not applicable
Sensitization (respiratory)	Not classified	Not applicable
Sensitization (skin)	1	May cause allergic reaction.
Germ toxicity	Not classified	Not applicable
Specific target organ systemic toxicity (single exposure)	1	Not applicable
	2	Not applicable
	3	narcotic effects, respiratory tract irritation
Specific target organ systemic Toxicity (repeated exposure)	1	lung
	2	Not applicable
Aspiration hazard	Not classified	Not applicable
Harmfulness to aquatic Environment (acute)	Not classified	Not applicable
Harmfulness to aquatic Environment (long term effect)	Not classified	Not applicable

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Carcinogenicity	Not classified	Not applicable
Reproductive Toxicity	Not classified	Not applicable
Organic Peroxide	Not classified	Not applicable

Safety Phrases:

S24: Avoid contact with skin.

S28: After contact with skin, wash immediately with plenty of soap and water.

S37: Wear suitable gloves.

S45: In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

S51: Use only in well-ventilated areas.

Overview	NOTICE: Reports have associated repeated and prolonged occupational overexposure to solvents with permanent brain and nervous system damage. Intentional misuse by deliberately concentrating and inhaling the contents may be harmful or fatal. Avoid contact with eyes, skin and clothing.
Inhalation	Harmful if inhaled. Causes nose and throat irritation. Vapors may affect the brain or nervous system causing dizziness, headache or nausea.
Eyes	Causes severe eye irritation. Avoid contact with eyes.
Skin	Causes skin irritation. May cause allergic skin reaction. May be harmful if absorbed through the skin.
Ingestion	Harmful if swallowed. May cause abdominal pain, nausea, vomiting, diarrhea, or drowsiness.
Chronic effects	Possible cancer hazard. Contains an ingredient which may cause cancer based on animal data (See Section 2 and Section 15 for each ingredient). Risk of cancer depends on duration and level of exposure.
HMIS Rating	Health: 3 Flammability: 2 Reactivity: 0 PPE: X

3. Composition/information on ingredients

Ingredient	CAS No.	Percent
Propylene glycol monomethyl ether	0000107-98-2	1.0 – 10
Methyl n-amyI ketone	0000110-43-0	1.0 – 10
Aluminum oxide	0001344-28-1	10 – 25
Titanium dioxide	0013463-67-7	1.0 – 10
Wollastonite (Ca(SiO3))	0013983-17-0	10 – 25
Reaction product of epichlorohydrin & bisphenol A	0025085-99-8	10 – 25
1,3-Propanediol, 2-ethyl-2-(hydroxymethyl)-, polymer with (chloromethyl)oxirane	0030499-70-8	1.0 – 10
Nepheline syenite	0037244-96-5	10 – 25
Glass, oxide, chemicals	0065997-17-3	10 – 25
Talc (*non-asbestiform)	14807-96-6*	1.0 – 10
Modified amine	TS-KH0310	1.0 – 10

4. First aid measures

General	Remove contaminated clothing and shoes. Get medical attention immediately. Wash clothing before reuse. Thoroughly clean or destroy contaminated shoes.
Inhalation	If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention immediately.
Eyes	In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention immediately.
Skin	In case of contact, immediately flush skin with soap and plenty of water. Get medical attention immediately.
Ingestion	If swallowed, immediately contact Poison Control Center at 1-800-854-6813. DO NOT induce vomiting unless instructed to do so by medical personnel. Never give anything by mouth to an unconscious person.

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5. Fire-fighting measures

Flash Point F: 102
C: 39

Lower Explosive Limit (LEL) No Established Limit (%vol in air) at Normal Atmospheric Temp and Pressure

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6. Accidental release measures

Spill Response Procedures ELIMINATE ALL IGNITION SOURCES (no smoking, flares, sparks or flames in immediate area). Use only non-sparking equipment to handle spilled material and absorbent. Do not touch or walk through spilled material. Stop leak if you can do so without risk. Prevent entry into waterways, sewers, basements or confined areas. A vapor suppressing foam may be used to reduce vapors. Absorb or cover with dry earth, sand, or other non-combustible material and transfer to containers. Use non-sparking tools to collect absorbed material. Fully Encapsulating, vapor protective clothing should be worn for spills and leaks with no fire.

Public Safety CALL CHEMTREC at (800)-424-9300 for emergency response. Isolate spill or leak area immediately for at least 25 meters (75 feet) in all directions. Keep unauthorized personnel away. Stay upwind. Keep out of low areas. Ventilate closed spaces before entering. LARGE SPILLS: Consider initial downwind evacuation for at least 100 meters (330 feet).

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7. Handling and storage

Storage Temperature Store between 40-100F (4-38C).

Handling and Storage Precautions Keep away from heat, sparks and flame. Do not smoke. Extinguish all flames and pilot lights, and turn off stoves, heaters, electric motors and other sources of ignition during use and until all vapors are gone. Vapors may cause flash fire or ignite explosively. Prevent build-up of vapors by opening all windows and doors to achieve cross-ventilation. Avoid contact with eyes and clothing. Avoid prolonged or repeated contact with skin. Close container after each use. Temperature / Pot Life Minimum 35 degreeF / 4 hours 50 degreeF / 2 hours Wash thoroughly after handling.

8. Exposure controls and personal protection

Exposure			
CAS No.	Ingredient	Source	Value
0000107-98-2	Propylene glycol monomethyl ether	OSHA	150 ppm STEL; 540 mg/m3 STEL
		ACGIH	100 ppm TWA150 ppm STEL
		NIOSH	100 ppm TWA; 360 mg/m3 TWA150 ppm STEL; 540 mg/m3 STEL
		Supplier	No Established Limit
		OHSA, CAN	100 ppm TWAEV; 365 mg/m3 TWAEV150 ppm STEV; 550 mg/m3 STEV
		Mexico	No Established Limit
		Brazil	No Established Limit
0000110-43-0	Methyl n-amyI ketone	OSHA	100 ppm TWA; 465 mg/m3 TWA
		ACGIH	50 ppm TWA
		NIOSH	100 ppm TWA; 465 mg/m3 TWA800 ppm IDLH
		Supplier	No Established Limit
		OHSA, CAN	25 ppm TWAEV; 115 mg/m3 TWAEV
		Mexico	50 ppm TWA; 235 mg/m3 TWA100 ppm STEL; 465 mg/m3 STEL
		Brazil	No Established Limit
0001344-28-1	Aluminum oxide	OSHA	15 mg/m3 TWA (total dust); 5 mg/m3 TWA (respirable fraction)

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		ACGIH	10 mg/m3 TWA (particulate matter containing no asbestos and
		NIOSH	No Established Limit
		Supplier	No Established Limit
		OHSA, CAN	10 mg/m3 TWAEV (total dust)
		Mexico	10 mg/m3 TWA
		Brazil	No Established Limit
0013463-67-7	Titanium dioxide	OSHA	15 mg/m3 TWA (total dust)
		ACGIH	10 mg/m3 TWA
		NIOSH	5000 mg/m3 IDLH
		Supplier	No Established Limit
		OHSA, CAN	10 mg/m3 TWAEV (total dust)
		Mexico	10 mg/m3 TWA (as Ti)20 mg/m3 STEL (as Ti)
		Brazil	No Established Limit
0013983-17-0	Wollastonite (Ca(SiO3))	OSHA	No Established Limit
		ACGIH	No Established Limit
		NIOSH	No Established Limit
		Supplier	No Established Limit
		OHSA, CAN	No Established Limit
		Mexico	No Established Limit
		Brazil	No Established Limit
0025085-99-8	Reaction product of epichlorohydrin & bisphenol A	OSHA	No Established Limit
		ACGIH	No Established Limit
		NIOSH	No Established Limit
		Supplier	No Established Limit
		OHSA, CAN	No Established Limit
		Mexico	No Established Limit
		Brazil	No Established Limit
0030499-70-8	1,3-Propanediol, 2-ethyl-2-(hydroxymethyl)-, polymer with (chloromethyl)oxirane	OSHA	No Established Limit
		ACGIH	No Established Limit
		NIOSH	No Established Limit
		Supplier	No Established Limit
		OHSA, CAN	No Established Limit
		Mexico	No Established Limit
		Brazil	No Established Limit
0037244-96-5	Nepheline syenite	OSHA	No Established Limit
		ACGIH	No Established Limit
		NIOSH	No Established Limit
		Supplier	No Established Limit
		OHSA, CAN	10 mg/m3 TWAEV (total dust)
		Mexico	No Established Limit
		Brazil	No Established Limit
0065997-17-3	Glass, oxide, chemicals	OSHA	No Established Limit
		ACGIH	No Established Limit
		NIOSH	No Established Limit
		Supplier	No Established Limit
		OHSA, CAN	No Established Limit
		Mexico	No Established Limit
		Brazil	No Established Limit
14807-96-6*	Talc (*non-asbestiform)	OSHA	No Established Limit
		ACGIH	No Established Limit

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		NIOSH	No Established Limit
		Supplier	No Established Limit
		OHSA, CAN	No Established Limit
		Mexico	No Established Limit
		Brazil	No Established Limit
TS-KH0310	Modified amine	OSHA	No Established Limit
		ACGIH	No Established Limit
		NIOSH	No Established Limit
		Supplier	No Established Limit
		OHSA, CAN	No Established Limit
		Mexico	No Established Limit
		Brazil	No Established Limit

Health Data

CAS No.	Ingredient	Source	Value
0000107-98-2	Propylene glycol monomethyl ether	NIOSH	Eye nose
0000110-43-0	Methyl n-amyI ketone	NIOSH	Irritation; liver kidney
0001344-28-1	Aluminum oxide	NIOSH	No Established Limit
0013463-67-7	Titanium dioxide	NIOSH	Lung tumors in animals
0013983-17-0	Wollastonite (Ca(SiO3))	NIOSH	No Established Limit
0025085-99-8	Reaction product of epichlorohydrin & bisphenol A	NIOSH	No Established Limit
0030499-70-8	1,3-Propanediol, 2-ethyl-2-(hydroxymethyl)-, polymer with (chloromethyl)oxirane	NIOSH	No Established Limit
0037244-96-5	Nepheline syenite	NIOSH	No Established Limit
0065997-17-3	Glass, oxide, chemicals	NIOSH	No Established Limit
14807-96-6*	Talc (*non-asbestiform)	NIOSH	No Established Limit
TS-KH0310	Modified amine	NIOSH	No Established Limit

Carcinogen Data

CAS No.	Ingredient	Source	Value
0000107-98-2	Propylene glycol monomethyl ether	OSHA	Select Carcinogen: No
		NTP	Known: No; Suspected: No
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No;
0000110-43-0	Methyl n-amyI ketone	OSHA	Select Carcinogen: No
		NTP	Known: No; Suspected: No
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No;
0001344-28-1	Aluminum oxide	OSHA	Select Carcinogen: No
		NTP	Known: No; Suspected: No
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No;
0013463-67-7	Titanium dioxide	OSHA	Select Carcinogen: Yes
		NTP	Known: No; Suspected: No
		IARC	Group 1: No; Group 2a: No; Group 2b: Yes; Group 3: No; Group 4: No;
0013983-17-0	Wollastonite (Ca(SiO3))	OSHA	Select Carcinogen: No
		NTP	Known: No; Suspected: No
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: Yes; Group 4: No;
0025085-99-8	Reaction product of epichlorohydrin & bisphenol A	OSHA	Select Carcinogen: No
		NTP	Known: No; Suspected: No
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No;
0030499-70-8		OSHA	Select Carcinogen: No

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	1,3-Propanediol, 2-ethyl-2-(hydroxymethyl)-, polymer with (chloromethyl)oxirane	NTP	Known: No; Suspected: No
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No;
0037244-96-5	Nepheline syenite	OSHA	Select Carcinogen: No
		NTP	Known: No; Suspected: No
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No;
0065997-17-3	Glass, oxide, chemicals	OSHA	Select Carcinogen: No
		NTP	Known: No; Suspected: No
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No;
14807-96-6*	Talc (*non-asbestiform)	OSHA	Select Carcinogen: No
		NTP	Known: No; Suspected: No
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No;
TS-KH0310	Modified amine	OSHA	Select Carcinogen: No
		NTP	Known: No; Suspected: No
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No;

Respiratory Select equipment to provide protection from the ingredients listed in Section 3 of this document. Ensure fresh air entry during application and drying. If you experience eye watering, headache or dizziness or if air monitoring demonstrates dust, vapor, or mist levels are above applicable limits, wear an appropriate, properly fitted respirator (NIOSH approved) during and after application. Follow respirator manufacturer's directions for respirator use. EXPOSURE PROTECTION: Personnel should wear workers' goggles during mixing and application of this coating system. Protect the skin by using neoprene gloves and Tyvek or equivalent type coveralls. As a minimum, during mixing and application wear a half face air-purifying respirator with prganic vapor filter. The respirator must be approved by the National Institute for Occupational Health. Consult the cognizant industrial hygienist to confirm the appropriate respirator is used. This evaluation does not address the hazards associated with coating removal operations. In general, respiratory protection will be required and air sampling may be warranted, Consult your Cognizant industrial hygienist. EXPOSURE RESPONSE MEASURES: In the event of contact with the epoxy based/amine cured non-skid coating, wash contact areas with soap and water. Access to the eyewash and deluge shower equipment meeting the criteria in ANZI Z358.1. Standard for Emergency Eyewash and Shower Equipment (2004) is required to flush contaminants from eyes and skin in case of splashes or spills.

Eyes Avoid contact with eyes. Protective equipment should be selected to provide protection from exposure to the chemicals listed in Section 3 of this document. Depending on the site-specific conditions of use, safety glasses, chemical goggles, and/or head and face protection may be required to prevent contact. The equipment must be thoroughly cleaned, or discarded after each use.

Skin Protective equipment should be selected to provide protection from exposure to the chemicals listed in Section 3 of this document. Depending on the site-specific conditions of use, protective gloves, apron, boots, head and face protection may be required to prevent contact. The equipment must be thoroughly cleaned, or discarded after each use.

Engineering Controls Prevent build-up of vapors by opening all windows and doors to achieve cross-ventilation.

Other Work Practices Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Use good personal hygiene practices. Wash hands before eating, drinking, using toilet facilities, etc. Promptly remove soiled clothing and wash clothing thoroughly before reuse. Shower after work using plenty of soap and water.

9. Physical and chemical properties

Physical State Liquid Coloured

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pH	No Established Limit
Specific Gravity	>N./D
Boiling Point F	280
Vapor Density	Heavier than air
VOC %	Refer to the Technical Data Sheet or label where information is available.
Evaporation Rate	Slower than ether

10. Stability and reactivity

General	This product is stable and hazardous polymerization will not occur. Not sensitive to mechanical impact. Excessive heat and fumes generation can occur if improperly handled.
Incompatible Materials	Strong oxidizing agents.
Hazardous Decomposition	May produce hazardous fumes when heated to decomposition as in welding. Fumes may produce Carbon Dioxide and Carbon Monoxide.

11. Toxicological information

Ingredient	Oral LD50, mg/kg	Skin LD50, mg/kg	Inhalation Vapor LD50, mg/L/4hr
Propylene glycol monomethyl ether – (0000107–98–2)	5,200.00, Rat – Category: NA	13,000.00, Rabbit – Category: NA	54.60, Rat – Category: NA
Methyl n-amyI ketone – (0000110–43–0)	1,670.00, Rat – Category: 4	-----	-----
Aluminum oxide – (0001344–28–1)	5,000.00, Rat – Category: 5	-----	-----
Titanium dioxide – (0013463–67–7)	10,000.00, Rat – Category: NA	10,000.00, Rabbit – Category: NA	6,082.00, Rat – Category: NA
Wollastonite (Ca(SiO3)) – (0013983–17–0)	-----	-----	-----
Reaction product of epichlorohydrin & bisphenol A – (0025085–99–8)	-----	-----	-----
1,3-Propanediol, 2-ethyl-2-(hydroxymethyl)-, polymer with (chloromethyl)oxirane – (0030499–70–8)	-----	-----	-----
Nepheline syenite – (0037244–96–5)	-----	-----	-----
Glass, oxide, chemicals – (0065997–17–3)	-----	-----	-----
Talc (*non-asbestiform) – (14807–96–6*)	-----	-----	-----
Modified amine – (TS–KH0310)	-----	-----	-----

General	NOTICE: Reports have associated repeated and prolonged occupational overexposure to solvents with permanent brain and nervous system damage. Intentional misuse by deliberately concentrating and inhaling the contents may be harmful or fatal. No additional information provided for this product. See Sections 8 and 11 for chemical specific data.
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12. Ecological information

No additional information provided for this product. See Sections 8 and 11 for chemical specific data.

13. Disposal considerations

Dispose of in accordance with local, state and federal regulations. (Also reference RCRA information in Section 15 if listed).

14. Transport information

DOT (Domestic Surface Transportation)		IMO / IMDG (Ocean Transportation)	
DOT Proper Shipping Name	PAINT, FLAMMABLE LIQUID, CORROSIVE	IMDG Proper Shipping Name	PAINT, FLAMMABLE LIQUID, CORROSIVE
DOT Hazard Class	3 (8)	IMDG Hazard Class	3 Flammable and Combustible Liquids, 8

UN / NA Number	UN 3469	UN / NA Number	UN 3469
DOT Packing Group	III	IMDG Packing Group	III
CERCLA/DOT RQ	2392 gal. / 19927 lbs.	System Reference Code	206

Corrosive Liquids

15. Regulatory information

Regulatory Overview The regulatory data in Section 15 is not intended to be all-inclusive, only selected regulations are represented. All ingredients of this product are listed on the TSCA (Toxic Substance Control Act) Inventory or are not required to be listed on the TSCA Inventory.

WHMIS Classification B3:D2B

DOT Marine Pollutants (10%):
(No Product Ingredients Listed)

DOT Severe Marine Pollutants (1%):
(No Product Ingredients Listed)

EPCRA 311/312 Chemicals and RQs (>.1%) :
Xylenes (o-, m-, p- isomers) (100 lb final RQ; 45.4 kg final RQ)

EPCRA 302 Extremely Hazardous (>.1%) :
(No Product Ingredients Listed)

EPCRA 313 Toxic Chemicals (>.1%) :
Aluminum oxide
Xylenes (o-, m-, p- isomers)

Mass RTK Substances (>1%) :
Aluminum oxide
Methyl n-amyyl ketone
Propylene glycol monomethyl ether
Titanium dioxide

Mass Extraordinarily Haz Sub (>.01%) :
Quartz

Penn RTK Substances (>1%) :
Aluminum oxide
Methyl n-amyyl ketone
Propylene glycol monomethyl ether
Titanium dioxide

Penn Special Hazardous Substances (>.01%) :
(No Product Ingredients Listed)

Rhode Island Hazardous Substances (>.1%) :
Aluminum oxide
Iron oxide
Methyl n-amyyl ketone
Propylene glycol monomethyl ether
Titanium dioxide
Xylenes (o-, m-, p- isomers)

RCRA Status:
(No Product Ingredients Listed)

N.J. RTK Substances (>1%) :
Aluminum oxide
Methyl n-amyyl ketone
Propylene glycol monomethyl ether
Titanium dioxide

N.J. Special Hazardous Substances (>.01%) :
(No Product Ingredients Listed)
Ethyl alcohol
Xylenes (o-, m-, p- isomers)

N.J. Env. Hazardous Substances (>.1%) :
Aluminum oxide

Xylenes (o-, m-, p- isomers)

Proposition 65 – Carcinogens (>0%):

Quartz

Proposition 65 – Female Repro Toxins (>0%):

(No Product Ingredients Listed)

Proposition 65 – Male Repro Toxins (>0%):

(No Product Ingredients Listed)

Proposition 65 – Developmental Toxins (>0%):

Ethyl alcohol

Benzene, methyl-

Risk Phrases:

R43: May cause sensitisation by skin contact.

16. Other information

The information and recommendations contained herein are based upon data believed to be correct. However, no guarantee or warranty of any kind, expressed or implied, is made with respect to the information contained herein. We accept no responsibility and disclaim all liability for any harmful effects which may be caused by exposure to our products. Customers/users of this product must comply with all applicable health and safety laws, regulations, and orders.