# Material Safety Data Sheet INTERGARD 621

Sales

Order: {SalesOrd}

Bulk Sales Reference No.: EKK724
MSDS Revision Date: 06/28/2008
MSDS Revision Number: A0-0



### 1. Identification of the preparation and company

Product Identity INTERGARD 621

Bulk Sales Reference No. EKK724

Company Name International Paint LLC

6001 Antoine Drive Houston, Texas 77091

Emergency

 CHEMTREC (USA)
 (800) 424–9300

 International Paint
 (713) 527–3887

 Poison Control Center
 (800) 854–6813

**Customer Service** 

International Paint (800) 589–1267 Interlux (800) 631–7481

### 2. Hazard identification of the product



# 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)	Not classified	Not applicable
Germ toxicity	Not classified	Not applicable
Specific target organ systemic toxicity (single exposure)	1	central nerve system, kidneys, liver, respiratory system
	2	central nerve system
	3	narcotic effects, respiratory tract irritation
Specific target organ systemic Toxicity (repeated exposure)	1	central nerve system, lung, respiratory system, systemic toxicity
	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
Carcinogenicity	Not classified	Not applicable

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

#### Safety Phrases:

S1: Keep locked up.

S9: Keep container in a well-ventilated place.

S23: Do not breathe vapor/spray.

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

possible).

Inhalation

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. This product may contain trace amounts of Benzene. The IARC monographs (vol.29) state that there is sufficient evidence for the carcinogenicity in humans and limited evidence for the carcinogenicity in animals. Benzene is also listed in the NTP Annual Report on Carcinogens and in the OSHA Subpart Z table (Specifically Regulated Substances).

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 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: 2\* Flammability: 3 Reactivity: 0

## 3. Composition/information on ingredients

Ingredient	CAS No.	Percent
Benzene, ethyl-	000100-41-4	1.0 – 10
Methylisobutyl ketone	000108-10-1	1.0 – 10
Methyl n-amyl ketone	000110-43-0	1.0 – 10
Almandite Garnet	001302-62-1	25 – 50
Xylenes (o-, m-, p- isomers)	001330-20-7	1.0 – 10
Antigorite	012135-86-3	1.0 – 10
Titanium dioxide	013463-67-7	1.0 – 10
Quartz	014808-60-7	0.10 - 1.0
Polymer of epoxy resin and bisphenol A	025036-25-3	10 – 25
Talc (*non-asbestiform)	14807-96-6*	1.0 – 10

This product contains 0.27 percent Quartz.

### 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.

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.

#### 5. Fire-fighting measures

Flash Point F: 81

C: 27

Lower Explosive Limit (LEL)

1 (%vol in air) at Normal Atmospheric Temp and Pressure

ERG Guide No. 12

### 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.

**Public Safety** 

CALL CHEMTREC at (800)–424–9300 for emergency response. Isolate spill or leak area immediately for at least 25 to 50 meters (80 to 160 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 300 meters (1000 feet).

ERG Guide No. 127

### 7. Handling and storage

Storage Temperature

Store between 32 and 120 F

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. Wash thoroughly after handling.

# 8. Exposure controls and personal protection

#### Exposure

CAS No.	Ingredient	Source	Value
000100-41-4	Benzene, ethyl-	OSHA	100 ppm TWA; 435 mg/m3 TWA125 ppm STEL; 545 mg/m3 STEL
		ACGIH	100 ppm TWA125 ppm STEL
		NIOSH	100 ppm TWA; 435 mg/m3 TWA125 ppm STEL; 545 mg/m3 STEL800 ppm IDLH (10% LEL)
		Supplier	No Established Limit
		OHSA, CAN	100 ppm TWAEV; 435 mg/m3 TWAEV125 ppm STEV; 540 mg/m3 STEV
		Mexico	100 ppm TWA; 435 mg/m3 TWA125 ppm STEL; 545 mg/m3 STEL
		Brazil	78 ppm TWA; 340 mg/m3 TWA
000108-10-1	Methylisobutyl ketone	OSHA	100 ppm TWA; 410 mg/m3 TWA75 ppm STEL; 300 mg/m3 STEL
		ACGIH	50 ppm TWA75 ppm STEL
		NIOSH	50 ppm TWA; 205 mg/m3 TWA75 ppm STEL; 300 mg/m3 STEL500 ppm IDLH
		Supplier	No Established Limit
		OHSA, CAN	50 ppm TWAEV; 205 mg/m3 TWAEV75 ppm STEV
		Mexico	50 ppm TWA; 205 mg/m3 TWA75 ppm STEL; 307

			mg/m3 STEL		
		Brazil	No Established Limit		
000110-43-0	Methyl n-amyl 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,	25 ppm TWAEV; 115 mg/m3 TWAEV		
		CAN			
		Mexico	50 ppm TWA; 235 mg/m3 TWA100 ppm STEL; 465 mg/m3 STEL		
		Brazil	No Established Limit		
001302–62–1	Almandite Garnet	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		
001330–20–7	Xylenes (o-, m-, p- isomers)	OSHA	100 ppm TWA; 435 mg/m3 TWA150 ppm STEL; 655 mg/m3 STEL		
		ACGIH	100 ppm TWA150 ppm STEL		
		NIOSH	No Established Limit		
		Supplier	No Established Limit		
		OHSA, CAN	100 ppm TWAEV; 435 mg/m3 TWAEV150 ppm STEV; 650 mg/m3 STEV		
		Mexico	100 ppm TWA; 435 mg/m3 TWA150 ppm STEL; 65: mg/m3 STEL		
		Brazil	78 ppm TWA; 340 mg/m3 TWA		
012135–86–3	Antigorite	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		
013463–67–7	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		
014808–60–7	'Quartz	OSHA	No Established Limit		
		ACGIH	0.025 mg/m3 TWA (respirable fraction)		
		NIOSH	0.05 mg/m3 TWA (respirable dust)50 mg/m3 IDLH (respirable dust)		
		Supplier	No Established Limit		
		OHSA, CAN	0.10 mg/m3 TWAEV (designated substance regulation)0.10 mg/m3 TWAEV		
			0.1 mg/m3 TWA		
		Mexico			
		Mexico Brazil	No Established Limit		
025036–25–3	Polymer of epoxy resin and				
025036–25–3	Polymer of epoxy resin and bisphenol A	Brazil OSHA	No Established Limit No Established Limit		
025036–25–3		Brazil	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
		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
000100-41-4	Benzene, ethyl-	NIOSH	Eye skin
000108-10-1	Methylisobutyl ketone	NIOSH	Irritation liver
000110-43-0	Methyl n-amyl ketone	NIOSH	Irritation; liver kidney
001302-62-1	Almandite Garnet	NIOSH	No Established Limit
001330–20–7	Xylenes (o-, m-, p- isomers)	NIOSH	Central nervous system depressant; respiratory and eye irritation
012135-86-3	Antigorite	NIOSH	No Established Limit
013463-67-7	Titanium dioxide	NIOSH	Lung tumors in animals
014808-60-7	Quartz	NIOSH	Chronic lung disease (silicosis)
025036-25-3	Polymer of epoxy resin and bisphenol A	NIOSH	No Established Limit
14807-96-6*	Talc (*non-asbestiform)	NIOSH	No Established Limit

Carcinogen Data

CAS No.	Ingredient	Source	Value		
000100-41-4 Benzene, ethyl-		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;		
000108-10-1	Methylisobutyl 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;		
000110-43-0	Methyl n–amyl 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;		
001302–62–1	Almandite Garnet	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;		
001330-20-7	Xylenes (o-, m-, p-	(o-, m-, p- OSHA	Select Carcinogen: No		
	isomers)	NTP	Known: No; Suspected: No		
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: Yes; Group 4: No;		
012135–86–3	Antigorite	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;		
013463–67–7	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;		
014808–60–7	Quartz	OSHA	Select Carcinogen: Yes		
		NTP	Known: Yes; Suspected: No		

		IARC	Group 1: Yes; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No;
025036-25-3	Polymer of epoxy resin	OSHA	Select Carcinogen: No
	and bisphenol A	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;

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. FOR USERS OF 3M RESPIRATORY PROTECTION ONLY: For information and assistance on 3M occupational health and safety products, call OH&ESD Technical Service toll free in U.S.A. 1–800–243–4630, in Canada call 1–800–267–4414. Please do not contact these numbers regarding other manufacturer's respiratory protection products. 3M does not endorse the accuracy of the information contained in this Material Safety Data Sheet.

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

pH No Established Limit

Specific Gravity 1.85 Boiling Point F 175

Vapor Density Heavier than air

VOC % Refer to the Technical Data Sheet for this product

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 May produce hazardous fumes when heated to decomposition as in welding. Fumes

Decompostion 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
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Benzene, ethyl (000100-41-4)	3,500.00, Rat – Category: 5	15,354.00, Rabbit - Category: NA	17.20, Rat – Category: 4
Methylisobutyl ketone – (000108–10–1)	2,080.00, Rat – Category: 5	16,000.00, Rabbit - Category: NA	8.20, Rat – Category: 3
Methyl n–amyl ketone – (000110–43–0)	1,670.00, Rat – Category: 4		
Almandite Garnet - (001302-62-1)			
Xylenes (o-, m-, p- isomers) - (001330-20-7)	4,300.00, Rat – Category: 5	1,700.00, Rabbit - Category: 4	29.08, rat – Category: NA
Antigorite - (012135-86-3)			
Titanium dioxide – (013463–67–7)	10,000.00, Rat – Category: NA	10,000.00, Rabitt - Category: NA	6,082.00, Rat – Category: NA
Quartz – (014808–60–7)	500.00, Rat – Category: 4		
Polymer of epoxy resin and bisphenol A – (025036–25–3)			
Talc (*non-asbestiform) - (14807-96-6*)			

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.

### 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 PAINT IMDG Proper Shipping PAINT

Name Name

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DOT Hazard Class 3.3 – High flashpoint

flammable liquids

UN / NA Number UN 1263 UN / NA Number UN 1263

DOT Packing Group III IMDG Packing Group III

CERCIA/DOT RO 83 gal / 1283 lbs System Reference 2

CERCLA/DOT RQ 83 gal. / 1283 lbs. System Reference 2 Code

Code

### 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 B2; D2

DOT Marine Pollutants (10%):

(No Product Ingredients Listed)

DOT Severe Marine Pollutants (1%):

(No Product Ingredients Listed)

EPCRA 311/312 Chemicals and RQs (>.1%):

Benzene, ethyl- (1000 lb final RQ; 454 kg final RQ)

Methylisobutyl ketone (5000 lb final RQ; 2270 kg final RQ)

Butanol (5000 lb final RQ; 2270 kg final RQ)

Benzene, 1,3-dimethyl- (1000 lb final RQ; 454 kg final RQ)

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(100 lb final RQ; 45.4 kg final RQ)
             Xylenes (o-, m-, p- isomers)
EPCRA 302 Extremely Hazardous (>.1%):
     (No Product Ingredients Listed)
EPCRA 313 Toxic Chemicals (>.1%):
             Benzene, ethyl-
             Methylisobutyl ketone
            Butanol
            Benzene, 1,3-dimethyl-
            Xylenes (o-, m-, p- isomers)
Mass RTK Substances (>1%):
            Benzene, ethyl-
            Methyl n-amyl ketone
            Methylisobutyl ketone
             Titanium dioxide
             Xylenes (o-, m-, p- isomers)
Mass Extraordinarily Haz Sub (>.01%):
            Formaldehyde
             Quartz
             Silica, cristobalite
Penn RTK Substances (>1%):
            Benzene, ethyl-
            Methyl n-amyl ketone
            Methylisobutyl ketone
             Titanium dioxide
             Xylenes (o-, m-, p- isomers)
Penn Special Hazardous Substances (>.01%):
            Formaldehyde
Rhode Island Hazardous Substances (>.1%):
            Benzene, ethyl-
             Methyl n-amyl ketone
            Methylisobutyl ketone
             Butanol
             Quartz
             Titanium dioxide
            Xylenes (o-, m-, p- isomers)
RCRA Status (%):
N.J. RTK Substances (>1%):
            Benzene, ethyl-
             Methyl n-amyl ketone
            Methylisobutyl ketone
            Titanium dioxide
            Xylenes (o-, m-, p- isomers)
N.J. Special Hazardous Substances (>.01%):
            Benzene, ethyl-
            Formaldehyde
            Methylisobutyl ketone
             Butanol
            Xylenes (o-, m-, p- isomers)
N.J. Env. Hazardous Substances (>.1%):
            Benzene, ethyl-
             Methylisobutyl ketone
             Butanol
             Benzene, 1,3-dimethyl-
            Xylenes (o-, m-, p- isomers)
Proposition 65 - Carcinogens (>0%):
             Benzene
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Cadmium

Benzene, ethyl-Formaldehyde

Lead

Nickel

Quartz

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

Lead

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

Benzene

Cadmium

Lead

Proposition 65 – Developmental Toxins (>0%):

Benzene Cadmium

Lead

Risk Phrases:

### 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.