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Material Safety Data Sheet  
 INTERTHANE 990HS ORANGE BASE

Sales  
 Order: {SalesOrd}  
 43606A  
 06/24/2008  
 B0-2

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



1. Identification of the preparation and company

Product Identity INTERTHANE 990HS ORANGE BASE  
 Bulk Sales Reference No. 43606A  
 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
	2	Not applicable
	3	narcotic effects, respiratory tract irritation
Specific target organ systemic Toxicity (repeated exposure)	1	Not applicable
	2	Not applicable
Aspiration hazard	Not classified	Not applicable
Harmfulness to aquatic Environment (acute)	2	Toxic to aquatic life.
Harmfulness to aquatic Environment (long term effect)	2	Toxic to aquatic life with long lasting effects
Carcinogenicity	Not classified	Not applicable

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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.
- S22: Do not breathe dust.
- S23: Do not breathe vapor/spray.

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. Repeated contact can cause dermatitis. 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: 2	Reactivity: 0

3. Composition/information on ingredients
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Ingredient	CAS No.	Percent
Methyl n-amyl ketone	000110-43-0	10 - 25
BUTYL ACETATE	000123-86-4	1.0 - 10
Ethyl 3-ethoxypropionate	000763-69-9	1.0 - 10
Titanium dioxide	013463-67-7	0.10 - 1.0
ACRYLIC COPOLYMER	TS-RC3532	25 - 50

4. First aid measures
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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.

5. Fire-fighting measures
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Flash Point	F: 100 C: 38
Lower Explosive Limit (LEL)	1 (%vol in air) at Normal Atmospheric Temp and Pressure
ERG Guide No.	127

6. Accidental release measures
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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 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. Wash thoroughly after handling.

## 8. Exposure controls and personal protection

## Exposure

CAS No.	Ingredient	Source	Value
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, CAN	25 ppm TWAEV; 115 mg/m3 TWAEV
		Mexico	50 ppm TWA; 235 mg/m3 TWA100 ppm STEL; 465 mg/m3 STEL
000123-86-4	BUTYL ACETATE	Brazil	No Established Limit
		OSHA	150 ppm TWA; 710 mg/m3 TWA200 ppm STEL; 950 mg/m3 STEL
		ACGIH	150 ppm TWA200 ppm STEL
		NIOSH	150 ppm TWA; 710 mg/m3 TWA200 ppm STEL; 950 mg/m3 STEL1700 ppm IDLH (10% LEL)
		Supplier	No Established Limit
		OHSA, CAN	150 ppm TWAEV; 710 mg/m3 TWAEV200 ppm STEV; 950 mg/m3 STEV
000763-69-9	Ethyl 3-ethoxypropionate	Mexico	150 ppm TWA; 710 mg/m3 TWA200 ppm STEL; 950 mg/m3 STEL
		Brazil	No Established Limit
		OSHA	No Established Limit
		ACGIH	No Established Limit
		NIOSH	No Established Limit
		Supplier	No Established Limit
013463-67-7	Titanium dioxide	OHSA, CAN	50 ppm TWAEV; 300 mg/m3 TWAEV
		Mexico	No Established Limit
		Brazil	No Established Limit
		OSHA	15 mg/m3 TWA (total dust)
		ACGIH	10 mg/m3 TWA
		NIOSH	5000 mg/m3 IDLH
Supplier	No Established Limit		

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		OSHA, CAN	10 mg/m3 TWAEV (total dust)
		Mexico	10 mg/m3 TWA (as Ti)20 mg/m3 STEL (as Ti)
		Brazil	No Established Limit
TS-RC3532	ACRYLIC COPOLYMER	OSHA	No Established Limit
		ACGIH	No Established Limit
		NIOSH	No Established Limit
		Supplier	No Established Limit
		OSHA, CAN	No Established Limit
		Mexico	No Established Limit
		Brazil	No Established Limit

## Health Data

CAS No.	Ingredient	Source	Value
000110-43-0	Methyl n-amyl ketone	NIOSH	Irritation; liver kidney
000123-86-4	BUTYL ACETATE	NIOSH	Mucous membrane and eye irritation; high concentrations cause nervous system effects in animals
000763-69-9	Ethyl 3-ethoxypropionate	NIOSH	No Established Limit
013463-67-7	Titanium dioxide	NIOSH	Lung tumors in animals
TS-RC3532	ACRYLIC COPOLYMER	NIOSH	No Established Limit

## Carcinogen Data

CAS No.	Ingredient	Source	Value
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;
000123-86-4	BUTYL ACETATE	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;
000763-69-9	Ethyl 3-ethoxypropionate	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;
TS-RC3532	ACRYLIC COPOLYMER	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.

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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
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Physical State	Liquid
pH	No Established Limit
Specific Gravity	1.19
Boiling Point F	230
Vapor Density	Heavier than air
VOC %	Refer to the Technical Data Sheet for this product
Evaporation Rate	Slower than ether

10. Stability and reactivity
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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
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Ingredient	Oral LD50, mg/kg	Skin LD50, mg/kg	Inhalation Vapor LD50, mg/L/4hr
Methyl n-amyl ketone – (000110–43–0)	1,670.00, Rat – Category: 4	-----	-----
BUTYL ACETATE – (000123–86–4)	10,768.00, Rat – Category: NA	17,600.00, Rabbit – Category: NA	-----
Ethyl 3-ethoxypropionate – (000763–69–9)	3,200.00, Rat – Category: 5	-----	-----
Titanium dioxide – (013463–67–7)	10,000.00, Rat – Category: NA	10,000.00, Rabbit – Category: NA	6,082.00, Rat – Category: NA
ACRYLIC COPOLYMER – (TS–RC3532)	-----	-----	-----

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

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

14. Transport information
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DOT (Domestic Surface Transportation)		IMO / IMDG (Ocean Transportation)	
DOT Proper Shipping Name	PAINT	IMDG Proper Shipping Name	PAINT
DOT Hazard Class	3	IMDG 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
CERCLA/DOT RQ	5110 gal. / 50540 lbs.	System Reference Code	2

15. Regulatory information
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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%) :	
	BUTYL ACETATE (5000 lb final RQ; 2270 kg final RQ)
	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%) :	
	1-Methyl-2-pyrrolidone
	Xylenes (o-, m-, p- isomers)
Mass RTK Substances (>1%) :	
	Methyl n-amyl ketone
	BUTYL ACETATE
Mass Extraordinarily Haz Sub (>.01%) :	
	Quartz
Penn RTK Substances (>1%) :	
	Methyl n-amyl ketone
	BUTYL ACETATE
Penn Special Hazardous Substances (>.01%) :	(No Product Ingredients Listed)
Rhode Island Hazardous Substances (>.1%) :	
	Kaolin
	Methyl n-amyl ketone
	BUTYL ACETATE
	Titanium dioxide
	Xylenes (o-, m-, p- isomers)
RCRA Status (>.01%) :	(No Product Ingredients Listed)
N.J. RTK Substances (>1%) :	
	Methyl n-amyl ketone
	BUTYL ACETATE
N.J. Special Hazardous Substances (>.01%) :	
	Benzene, ethyl-
	BUTYL ACETATE
	Benzene, methyl-
	Xylenes (o-, m-, p- isomers)
N.J. Env. Hazardous Substances (>.1%) :	
	1-Methyl-2-pyrrolidone

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

Proposition 65 – Carcinogens (>0%):

Benzene, ethyl-

Formaldehyde

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%):

1-Methyl-2-pyrrolidone

Benzene, methyl-

Risk Phrases:

R66: Repeated exposure may cause skin dryness or cracking

R51/53: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

16. Other information
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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.