

Material Safety Data Sheet  
DEVTHANE 349 ENH BLACK KIT

Sales  
Order: {SalesOrd}  
DC349K9903E  
08/21/2012  
0-

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



1. Identification of the preparation and company

Product Identity DEVTHANE 349 ENH BLACK KIT  
Bulk Sales Reference No. DC349K9903E  
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



Danger

GHS Classification:

Item	Category	Hazard
Flammability	2	Highly 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)	1	May cause allergy or asthma symptoms or breathing difficulties if inhaled.
Sensitization (skin)	1	May cause allergic reaction.
Germ toxicity	Not classified	Not applicable
Specific target organ systemic toxicity (single exposure)	1	central nerve system
	2	Not applicable
	3	Not applicable
Specific target organ systemic Toxicity (repeated exposure)	1	lung
	2	Not applicable
Aspiration hazard	Not classified	Not applicable
Harmfulness to aquatic Environment (acute)	3	Harmful to aquatic life.
	4	

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Harmfulness to aquatic Environment (long term effect)		May cause harm to aquatic life with long lasting effects
Carcinogenicity	Not classified	Not applicable
Reproductive Toxicity	Not classified	Not applicable
Organic Peroxide	Not classified	Not applicable

## Safety Phrases:

S23: Do not breathe vapor/spray.

S24/25: Avoid contact with skin and eyes.

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

S37: Wear suitable gloves.

S38: In case of insufficient ventilation, wear suitable respiratory equipment.

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.

S61: Avoid release to the environment. Refer to special instructions/Safety data sheets.

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. May cause allergic respiratory reaction.			
Inhalation	Harmful if inhaled. May cause lung injury. 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: 3	Flammability: 4	Reactivity: 1	PPE: X

## 3. Composition/information on ingredients

Ingredient	CAS No.	Percent
BUTYL ACETATE	0000123-86-4	1.0 – 10
BUTYL PEROXYBENZOATE	0000614-45-9	0.10 – 1.0
Ethyl 3-ethoxypropionate	0000763-69-9	1.0 – 10
Carbon black	0001333-86-4	1.0 – 10
Silica, amorphous	0007631-86-9	1.0 – 10
Barium sulfate	0007727-43-7	10 – 25
Hexamethylene diisocyanate homopolymer	0028182-81-2	10 – 25
Petroleum naphtha	0064742-95-6	1.0 – 10
AMINOFUNCTIONAL REACTIVE THINNER RESIN	TS-KH3190	1.0 – 10
ASPARTIC ESTER (PROPRIETARY)	Proprietary	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	

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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: 65 C: 18
Lower Explosive Limit (LEL)	1 (%vol in air) at Normal Atmospheric Temp and Pressure
ERG Guide No.	128

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 50 meters (150 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.	128

7. Handling and storage
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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, skin and clothing. Close container after each use. Wash thoroughly after handling.

8. Exposure controls and personal protection
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Exposure			
CAS No.	Ingredient	Source	Value
0000123-86-4	BUTYL ACETATE	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 TWA200 ppm STEL
		Mexico	150 ppm TWA; 710 mg/m3 TWA200 ppm STEL; 950 mg/m3 STEL
		Brazil	No Established Limit
0000614-45-9	BUTYL PEROXYBENZOATE	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

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0000763-69-9	Ethyl 3-ethoxypropionate	Brazil	No Established Limit
		OSHA	No Established Limit
		ACGIH	No Established Limit
		NIOSH	No Established Limit
		Supplier	No Established Limit
		OHSA, CAN	50 ppm TWA; 300 mg/m3 TWA
		Mexico	No Established Limit
		Brazil	No Established Limit
0001333-86-4	Carbon black	OSHA	3.5 mg/m3 TWA
		ACGIH	3.5 mg/m3 TWA
		NIOSH	3.5 mg/m3 TWA; 0.1 mg/m3 TWA (Carbon black in presence of Polycyclic aromatic hydrocarbons, as 1750 mg/m3 IDLH)
		Supplier	No Established Limit
		OHSA, CAN	3.5 mg/m3 TWA
		Mexico	3.5 mg/m3 TWA 7 mg/m3 STEL
		Brazil	No Established Limit
		0007631-86-9	Silica, amorphous
ACGIH	No Established Limit		
NIOSH	6 mg/m3 TWA 3000 mg/m3 IDLH		
Supplier	No Established Limit		
OHSA, CAN	No Established Limit		
Mexico	No Established Limit		
Brazil	No Established Limit		
0007727-43-7	Barium sulfate		
		ACGIH	10 mg/m3 TWA
		NIOSH	10 mg/m3 TWA (total dust); 5 mg/m3 TWA (respirable dust)
		Supplier	No Established Limit
		OHSA, CAN	10 mg/m3 TWA (total dust)
		Mexico	No Established Limit
		Brazil	No Established Limit
		0028182-81-2	Hexamethylene diisocyanate homopolymer
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		
0064742-95-6	Petroleum naphtha		
		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
		TS-KH3190	AMINOFUNCTIONAL REACTIVE THINNER RESIN
ACGIH	No Established Limit		
NIOSH	No Established Limit		
Supplier	No Established Limit		
OHSA, CAN	No Established Limit		

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		Mexico	No Established Limit
		Brazil	No Established Limit
Proprietary	ASPARTIC ESTER (PROPRIETARY)	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
0000123-86-4	BUTYL ACETATE	NIOSH	Mucous membrane and eye irritation; high concentrations cause nervous system effects in animals
0000614-45-9	BUTYL PEROXYBENZOATE	NIOSH	No Established Limit
0000763-69-9	Ethyl 3-ethoxypropionate	NIOSH	No Established Limit
0001333-86-4	Carbon black	NIOSH	Lung cardiovascular
0007631-86-9	Silica, amorphous	NIOSH	No Established Limit
0007727-43-7	Barium sulfate	NIOSH	Eye nose
0028182-81-2	Hexamethylene diisocyanate homopolymer	NIOSH	No Established Limit
0064742-95-6	Petroleum naphtha	NIOSH	No Established Limit
TS-KH3190	AMINOFUNCTIONAL REACTIVE THINNER RESIN	NIOSH	No Established Limit
Proprietary	ASPARTIC ESTER (PROPRIETARY)	NIOSH	No Established Limit

## Carcinogen Data

CAS No.	Ingredient	Source	Value
0000123-86-4	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;
0000614-45-9	BUTYL PEROXYBENZOATE	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;
0000763-69-9	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;
0001333-86-4	Carbon black	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;
0007631-86-9	Silica, amorphous	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;
0007727-43-7	Barium sulfate	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;
0028182-81-2	Hexamethylene diisocyanate homopolymer	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;
0064742-95-6	Petroleum naphtha	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-KH3190	AMINOFUNCTIONAL REACTIVE THINNER RESIN	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;
Proprietary	ASPARTIC ESTER (PROPRIETARY)	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. INDIVIDUALS WITH LUNG OR BREATHING PROBLEMS OR PRIOR REACTION TO ISOCYANATES MUST NOT BE EXPOSED TO VAPOR OR SPRAY MIST. Do not breathe vapor or spray mist. Wear an appropriate, properly fitted respirator (NIOSH approved) during and after application unless air monitoring demonstrates vapor/mist levels are below applicable limits. A supplied air respirator (either positive pressure or continuous flow type) is required. Follow manufacturer's directions for respirator use and observe requirements specified in 29 CFR 1910.134.
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
pH	No Established Limit
Specific Gravity	1.12
Boiling Point F	244
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
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handled.

Incompatible Materials Strong oxidizing agents.

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

Decomposition 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
BUTYL ACETATE – (0000123–86–4)	10,768.00, Rat – Category: NA	17,600.00, Rabbit – Category: NA	-----
BUTYL PEROXYBENZOATE – (0000614–45–9)	1,012.00, Rat – Category: 4	-----	-----
Ethyl 3–ethoxypropionate – (0000763–69–9)	3,200.00, Rat – Category: 5	-----	-----
Carbon black – (0001333–86–4)	15,400.00, Rat – Category: NA	3,000.00, Rabbit – Category: 5	-----
Silica, amorphous – (0007631–86–9)	5,000.00, Rat – Category: 5	2,000.00, Rabbit – Category: 4	-----
Barium sulfate – (0007727–43–7)	-----	-----	-----
Hexamethylene diisocyanate homopolymer – (0028182–81–2)	-----	-----	-----
Petroleum naphtha – (0064742–95–6)	8,400.00, Rat – Category: NA	2,000.00, Rabbit – Category: 4	5.20, Rat – Category: 3
AMINOFUNCTIONAL REACTIVE THINNER RESIN – (TS–KH3190)	-----	-----	-----
ASPARTIC ESTER (PROPRIETARY) – (Proprietary)	-----	-----	-----

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

Not Defined

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	IMDG Proper Shipping Name	PAINT
DOT Hazard Class	3	IMDG Hazard Class	3 – Flammable and Combustible liquid
UN / NA Number	UN 1263	UN / NA Number	UN 1263
DOT Packing Group	III	IMDG Packing Group	III
CERCLA/DOT RQ	3706 gal. / 34571 lbs.	System Reference Code	2

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;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)

Butanol (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%) :

Aluminum oxide

Butanol

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

Mass RTK Substances (>1%) :

Barium sulfate

Carbon black

BUTYL ACETATE

Silica, amorphous

Mass Extraordinarily Haz Sub (>.01%) :

Quartz

Penn RTK Substances (>1%) :

Barium sulfate

Carbon black

BUTYL ACETATE

Silica, amorphous

Penn Special Hazardous Substances (>.01%) :

(No Product Ingredients Listed)

Rhode Island Hazardous Substances (>.1%) :

Aluminum oxide

Carbon black

Diisobutylketone

BUTYL ACETATE

Butanol

BUTYL PEROXYBENZOATE

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

RCRA Status:

(No Product Ingredients Listed)

N.J. RTK Substances (>1%) :

Barium sulfate

Carbon black

BUTYL ACETATE

N.J. Special Hazardous Substances (>.01%) :

Carbon black

Benzene, ethyl-

BUTYL ACETATE

Butanol

Potassium oxide

Quartz

BUTYL PEROXYBENZOATE

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

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

Aluminum oxide

Butanol

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



Proposition 65 – Carcinogens (>0%):

- Carbon black
- Benzene, ethyl-
- Formaldehyde
- Quartz
- Refractory ceramic fibers

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%):  
(No Product Ingredients Listed)

Risk Phrases:

R42/43: May cause sensitisation by inhalation and skin contact.

R52/53: Harmful 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.