

DC389K9105_0

Material Safety Data Sheet
DEVTHANE 389 SHEFFIELD BRONZE KIT

Sales
Order: {SalesOrd}
DC389K9105
08/20/2012
0-

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



1. Identification of the preparation and company

Product Identity DEVTHANE 389 SHEFFIELD BRONZE KIT
Bulk Sales Reference No. DC389K9105
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	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)	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	narcotic effects, respiratory tract irritation
Specific target organ systemic Toxicity (repeated exposure)	1	lung, systemic toxicity
	2	liver, testes
Aspiration hazard	Not classified	Not applicable
Harmfulness to aquatic Environment (acute)	Not classified	Not applicable
	Not classified	Not applicable

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Harmfulness to aquatic Environment (long term effect)		
Carcinogenicity	1A	May cause cancer
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.

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: 3	Reactivity: 1	PPE: X

3. Composition/information on ingredients

Ingredient	CAS No.	Percent
Benzene, ethyl-	0000100-41-4	0.10 - 1.0
Methylisobutyl ketone	0000108-10-1	1.0 - 10
Diisobutylketone	0000108-83-8	1.0 - 10
Ethylene glycol monobutyl ether acetate	0000112-07-2	1.0 - 10
BUTYL ACETATE	0000123-86-4	10 - 25
BUTYL PEROXYBENZOATE	0000614-45-9	1.0 - 10
Aluminum	0007429-90-5	1.0 - 10
Barium sulfate	0007727-43-7	1.0 - 10
Stoddard solvent	0008052-41-3	1.0 - 10
Titanium dioxide	0013463-67-7	1.0 - 10
2-Heptanone, 4,6-dimethyl-	0019549-80-5	1.0 - 10
Hexamethylene diisocyanate homopolymer	0028182-81-2	1.0 - 10
Petroleum naphtha	0064742-95-6	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	

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		OHSA, CAN	50 ppm TWA75 ppm STEL
		Mexico	50 ppm TWA; 205 mg/m3 TWA75 ppm STEL; 307 mg/m3 STEL
		Brazil	No Established Limit
0000108-83-8	Diisobutylketone	OSHA	50 ppm TWA; 290 mg/m3 TWA
		ACGIH	25 ppm TWA
		NIOSH	25 ppm TWA; 150 mg/m3 TWA500 ppm IDLH
		Supplier	No Established Limit
		OHSA, CAN	25 ppm TWA
		Mexico	25 ppm TWA; 145 mg/m3 TWA
		Brazil	No Established Limit
0000112-07-2	Ethylene glycol monobutyl ether acetate	OSHA	No Established Limit
		ACGIH	20 ppm TWA
		NIOSH	5 ppm TWA; 33 mg/m3 TWA
		Supplier	No Established Limit
		OHSA, CAN	20 ppm TWA
		Mexico	No Established Limit
		Brazil	No Established Limit
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
		Brazil	No Established Limit
0007429-90-5	Aluminum	OSHA	15 mg/m3 TWA (total dust); 5 mg/m3 TWA (respirable fraction)
		ACGIH	1 mg/m3 TWA (respirable fraction)
		NIOSH	10 mg/m3 TWA (total dust); 5 mg/m3 TWA (respirable dust)
		Supplier	No Established Limit
		OHSA, CAN	1 mg/m3 TWA (respirable)
		Mexico	10 mg/m3 TWA (dust)
		Brazil	No Established Limit
0007727-43-7	Barium sulfate	OSHA	15 mg/m3 TWA (total dust); 5 mg/m3 TWA (respirable fraction)
		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

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0008052-41-3	Stoddard solvent	Brazil	No Established Limit
		OSHA	500 ppm TWA; 2900 mg/m ³ TWA
		ACGIH	100 ppm TWA
		NIOSH	350 mg/m ³ TWA 1800 mg/m ³ Ceiling (15 min) 20000 mg/m ³ IDLH
		Supplier	No Established Limit
		OHSA, CAN	525 mg/m ³ TWA (140C Flash aliphatic solvent)
		Mexico	100 ppm TWA; 523 mg/m ³ TWA 200 ppm STEL; 1050 mg/m ³ STEL
0013463-67-7	Titanium dioxide	Brazil	No Established Limit
		OSHA	15 mg/m ³ TWA (total dust)
		ACGIH	10 mg/m ³ TWA
		NIOSH	5000 mg/m ³ IDLH
		Supplier	No Established Limit
		OHSA, CAN	10 mg/m ³ TWA (total dust)
		Mexico	10 mg/m ³ TWA (as Ti) 20 mg/m ³ STEL (as Ti)
0019549-80-5	2-Heptanone, 4,6-dimethyl-	Brazil	No Established Limit
		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
0028182-81-2	Hexamethylene diisocyanate homopolymer	Brazil	No Established Limit
		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
0064742-95-6	Petroleum naphtha	Brazil	No Established Limit
		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

Health Data

CAS No.	Ingredient	Source	Value
0000100-41-4	Benzene, ethyl-	NIOSH	Eye skin
0000108-10-1	Methylisobutyl ketone	NIOSH	Irritation liver
0000108-83-8	Diisobutylketone	NIOSH	Irritation; liver kidney
0000112-07-2	Ethylene glycol monobutyl ether acetate	NIOSH	Adverse effects on blood and hematopoietic system tissue irritation
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
0007429-90-5	Aluminum	NIOSH	Lung changes that may lead to pulmonary fibrosis; respiratory and skin irritation
0007727-43-7	Barium sulfate	NIOSH	Eye nose
0008052-41-3	Stoddard solvent	NIOSH	Eye nose

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0013463-67-7	Titanium dioxide	NIOSH	Lung tumors in animals
0019549-80-5	2-Heptanone, 4,6-dimethyl-	NIOSH	No Established Limit
0028182-81-2	Hexamethylene diisocyanate homopolymer	NIOSH	No Established Limit
0064742-95-6	Petroleum naphtha	NIOSH	No Established Limit

Carcinogen Data

CAS No.	Ingredient	Source	Value
0000100-41-4	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;
0000108-10-1	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;
0000108-83-8	Diisobutylketone	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;
0000112-07-2	Ethylene glycol monobutyl ether 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;
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;
0007429-90-5	Aluminum	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;
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;
0008052-41-3	Stoddard solvent	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;
0019549-80-5	2-Heptanone, 4,6-dimethyl-	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;

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	1.13
Boiling Point F	257
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

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Benzene, ethyl- (0000100-41-4)	3,500.00, Rat – Category: 5	15,354.00, Rabbit – Category: NA	17.20, Rat – Category: 4
Methylisobutyl ketone (0000108-10-1)	2,080.00, Rat – Category: 5	16,000.00, Rabbit – Category: NA	8.20, Rat – Category: 3
Diisobutylketone (0000108-83-8)	5,750.00, Rat – Category: NA	16,000.00, Rabbit – Category: NA	-----
Ethylene glycol monobutyl ether acetate – (0000112-07-2)	1,600.00, Rat – Category: 4	1,480.00, Rabbit – Category: 4	-----
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	-----	-----
Aluminum (0007429-90-5)	-----	-----	-----
Barium sulfate (0007727-43-7)	-----	-----	-----
Stoddard solvent (0008052-41-3)	5,000.00, Rat – Category: 5	3,000.00, Rabbit – Category: 5	5,500.00, Rat – Category: NA
Titanium dioxide (0013463-67-7)	10,000.00, Rat – Category: NA	10,000.00, Rabbit – Category: NA	6,082.00, Rat – Category: NA
2-Heptanone, 4,6-dimethyl- (0019549-80-5)	-----	-----	-----
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

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 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	2209 gal. / 20784 lbs.	System Reference Code	1

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%) :

Benzene, ethyl- (1000 lb final RQ; 454 kg final RQ)
 Methylisobutyl ketone (5000 lb final RQ; 2270 kg final RQ)
 BUTYL ACETATE (5000 lb final RQ; 2270 kg final RQ)
 Benzene, 1,3-dimethyl- (1000 lb final RQ; 454 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
 Benzene, ethyl-
 Methylisobutyl ketone
 Benzene, 1,3-dimethyl-
 Xylenes (o-, m-, p- isomers)

Mass RTK Substances (>1%) :

Aluminum
 Barium sulfate
 Diisobutylketone
 Methylisobutyl ketone
 BUTYL ACETATE
 Stoddard solvent
 BUTYL PEROXYBENZOATE
 Titanium dioxide

Mass Extraordinarily Haz Sub (>.01%) :

(No Product Ingredients Listed)

Penn RTK Substances (>1%) :

Aluminum
 Barium sulfate
 Diisobutylketone
 Methylisobutyl ketone
 BUTYL ACETATE
 Stoddard solvent
 BUTYL PEROXYBENZOATE
 Titanium dioxide

Penn Special Hazardous Substances (>.01%) :

(No Product Ingredients Listed)

Rhode Island Hazardous Substances (>.1%) :

Aluminum
 2-Butoxyethanol
 Diisobutylketone
 Benzene, ethyl-
 Kaolin
 Methylisobutyl ketone
 BUTYL ACETATE
 Stoddard solvent
 BUTYL PEROXYBENZOATE
 Titanium dioxide
 Xylenes (o-, m-, p- isomers)

RCRA Status:

(No Product Ingredients Listed)

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

Aluminum
 Barium sulfate
 Diisobutylketone
 Ethylene glycol monobutyl ether acetate
 Methylisobutyl ketone

BUTYL ACETATE
Stoddard solvent
BUTYL PEROXYBENZOATE
Titanium dioxide

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

Aluminum
2-Butoxyethanol
Ethyl alcohol
Benzene, ethyl-
Methanol
Methylisobutyl ketone
BUTYL ACETATE
Benzene, 1,2-dimethyl-
BUTYL PEROXYBENZOATE
Benzene, 1,3-dimethyl-
Xylenes (o-, m-, p- isomers)

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

Aluminum
Benzene, ethyl-
Methylisobutyl ketone
Benzene, 1,3-dimethyl-
Xylenes (o-, m-, p- isomers)

Proposition 65 – Carcinogens (>0%):

Benzene, ethyl-
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

Risk Phrases:

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

R45: May cause cancer.

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.