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Material Safety Data Sheet CEILCOTE CEILLINE 50 HORIZONTAL HARDENER PTB



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

Sales
Order: {SalesOrd}
NCA956
25/10/2010
0-

1. Identification of the preparation and company

Product Identity CEILCOTE CEILLINE 50 HORIZONTAL
HARDENER PTB
Bulk Sales Reference No. NCA956
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
Fax No. (800) 631-7481

2. Hazard identification of the product



Danger

GHS Classification;

Item	Category	Hazard
Flammability	Not classified	Not applicable
Acute Toxicity (mouth)	5	May be harmful if swallowed
Acute Toxicity (skin)	Not classified	Not applicable
Acute Toxicity (inhalation)	4	Harmful if inhaled
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	Not applicable
	2	Not applicable
	3	respiratory tract irritation
Specific target organ systemic Toxicity (repeated exposure)	1	lung, respiratory system
	2	Not applicable
Aspiration hazard	Not classified	Not applicable
Harmfulness to aquatic Environment (acute)	Not classified	Not applicable

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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:

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. Repeated exposure to Isocyanates may cause an allergic sensitization of the respiratory tract. This is characterized by an asthma-like response upon re-exposure to the chemical.			
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 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: 1	Flammability: 0	Reactivity: 0	PPE: X

3. Composition/information on ingredients

Ingredient	CAS No.	Percent
Chrome oxide	0001308-38-9	1.0 - 10
Iron oxide	0001309-37-1	1.0 - 10
Cyclohexane, 5-isocyanato-1-(isocyanatomethyl)-1,3,3-trimethyl-	0004098-71-9	1.0 - 10
Titanium dioxide	0013463-67-7	1.0 - 10
Polypropylene glycol	0025322-69-4	75 - 100

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: 315
C: 157

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

ERG Guide No. 159

6. Accidental release measures

Spill Response Procedures ELIMINATE ALL IGNITION SOURCES (no smoking, flares, sparks or flames in immediate area). 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. Absorb or cover with dry earth, sand, or other non-combustible material and transfer to containers. LARGE SPILLS: Dike far ahead of liquid spill to contain released material and runoff from fire control.

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.

ERG Guide No. 159

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

8. Exposure controls and personal protection

Exposure

CAS No.	Ingredient	Source	Value
0001308-38-9	Chrome oxide	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
0001309-37-1	Iron oxide	OSHA	10 mg/m3 TWA
		ACGIH	5 mg/m3 TWA (respirable fraction)
		NIOSH	5 mg/m3 TWA (dust and fume, as Fe) 2500 mg/m3 IDLH (dust and fume, as Fe)
		Supplier	No Established Limit
		OHSA, CAN	5 mg/m3 TWAEV (respirable)
		Mexico	5 mg/m3 TWA 10 mg/m3 STEL (as Fe)
		Brazil	No Established Limit
0004098-71-9	Cyclohexane, 5-isocyanato-1-(isocyanatomethyl)-1,3,3-trimethyl-	OSHA	0.02 ppm STEL
		ACGIH	0.005 ppm TWA
		NIOSH	

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			0.005 ppm TWA; 0.045 mg/m ³ TWA 0.02 ppm STEL; 0.180 mg/m ³ STEL
		Supplier	No Established Limit
		OHSA, CAN	0.005 ppm TWAEV (designated substance regulation); 0.2 µmol/m ³ TWAEV (designated substance regulation); 0.02 ppm CEV (designated substances regulation); 0.8 µmol/m ³ CEV (designated substances regulation); 0.005 ppm TWAEV; 0.2 µmol/m ³ TWAEV; 0.02 ppm CEV; 0.8 µmol/m ³ CEV
		Mexico	0.01 ppm TWA; 0.09 mg/m ³ TWA
		Brazil	No Established Limit
0013463-67-7	Titanium dioxide	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 TWAEV (total dust)
		Mexico	10 mg/m ³ TWA (as Ti) 20 mg/m ³ STEL (as Ti)
		Brazil	No Established Limit
0025322-69-4	Polypropylene glycol	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
0001308-38-9	Chrome oxide	NIOSH	No Established Limit
0001309-37-1	Iron oxide	NIOSH	Benign pneumoconiosis termed siderosis
0004098-71-9	Cyclohexane, 5-isocyanato-1-(isocyanatomethyl)-1,3,3-trimethyl-	NIOSH	Respiratory effects and sensitization pulmonary irritation (Listed under
0013463-67-7	Titanium dioxide	NIOSH	Lung tumors in animals
0025322-69-4	Polypropylene glycol	NIOSH	No Established Limit

Carcinogen Data

CAS No.	Ingredient	Source	Value
0001308-38-9	Chrome oxide	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;
0001309-37-1	Iron oxide	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;
0004098-71-9	Cyclohexane, 5-isocyanato-1-(isocyanatomethyl)-1,3,3-trimethyl-	OSHA	Select Carcinogen: No
		NTP	Known: No; Suspected: No

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		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;
0025322-69-4	Polypropylene glycol	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	1.05
Boiling Point F	No Established Limit
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

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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 oxides (CO, CO₂), and other toxic compounds (nitrogen oxides, isocyanate vapors, and traces of hydrogen cyanide).

11. Toxicological information

Ingredient	Oral LD50, mg/kg	Skin LD50, mg/kg	Inhalation Vapor LD50, mg/L/4hr
Chrome oxide – (0001308–38–9)	-----	-----	-----
Iron oxide – (0001309–37–1)	10,000.00, Rat – Category: NA	-----	-----
Cyclohexane, 5–isocyanato–1–(isocyanatomethyl)–1,3,3–trimethyl– – (0004098–71–9)	1,270.00, Rat – Category: 4	4,780.00, Rabbit – Category: 5	0.12, Rat – Category: 1
Titanium dioxide – (0013463–67–7)	10,000.00, Rat – Category: NA	10,000.00, Rabbit – Category: NA	6,082.00, Rat – Category: NA
Polypropylene glycol – (0025322–69–4)	2,000.00, Rat – Category: 4	-----	-----

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 OR PAINT RELATED MATERIAL, NMFC 149980	IMDG Proper Shipping Name	PAINT OR PAINT RELATED MATERIAL, NMFC 149980
DOT Hazard Class	NR	IMDG Hazard Class	Not Regulated
UN / NA Number	Not Regulated	UN / NA Number	Not Regulated
DOT Packing Group	Not Regulated	IMDG Packing Group	Not Regulated
CERCLA/DOT RQ	Not Applicable gal. / Not Applicable lbs.	System Reference Code	9

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 No Established Limit

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

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

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

(No Product Ingredients Listed)

EPCRA 302 Extremely Hazardous (>.1%) :

Cyclohexane, 5-isocyanato-1-(isocyanatomethyl)-1,3,3-trimethyl- (500 lb TPQ)

EPCRA 313 Toxic Chemicals (>.1%) :

Cyclohexane, 5-isocyanato-1-(isocyanatomethyl)-1,3,3-trimethyl-

Mass RTK Substances (>1%) :

Chrome oxide

Iron oxide

Cyclohexane, 5-isocyanato-1-(isocyanatomethyl)-1,3,3-trimethyl-

Titanium dioxide

Mass Extraordinarily Haz Sub (>.01%) :

Chrome oxide

Cyclohexane, 5-isocyanato-1-(isocyanatomethyl)-1,3,3-trimethyl-

Penn RTK Substances (>1%) :

Iron oxide

Cyclohexane, 5-isocyanato-1-(isocyanatomethyl)-1,3,3-trimethyl-

Titanium dioxide

Penn Special Hazardous Substances (>.01%) :

(No Product Ingredients Listed)

Rhode Island Hazardous Substances (>.1%) :

Iron oxide

Cyclohexane, 5-isocyanato-1-(isocyanatomethyl)-1,3,3-trimethyl-

Titanium dioxide

RCRA Status:

(No Product Ingredients Listed)

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

Chrome oxide

Iron oxide

Cyclohexane, 5-isocyanato-1-(isocyanatomethyl)-1,3,3-trimethyl-

Titanium dioxide

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

(No Product Ingredients Listed)

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

Cyclohexane, 5-isocyanato-1-(isocyanatomethyl)-1,3,3-trimethyl-

Proposition 65 – Carcinogens (>0%):

(No Product Ingredients Listed)

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:

R20: Harmful by inhalation.

R42/43: May cause sensitisation by inhalation and 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.