



# Material Safety Data Sheet

Date Originated: 7/29/2013

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<b>NFPA</b> 	<b>HCS Risk Phrases</b>	<b>Protective Clothing</b> 
	<b>HCS CLASS: Toxic.</b> <b>HCS CLASS: Irritating substance.</b> <b>HCS CLASS: Sensitizing substance.</b> <b>HCS CLASS: Target organ effects.</b> <b>HCS CLASS: Flammable liquid having a flash point lower than 37.8°C (100°F).</b>	

## Section 1. Chemical Product and Company Identification

Product Name

**Incoat All Colors**

Synonym

Not available

Manufacturer

Polyval Coatings Inc.  
 520, Curé Boivin, blvd.  
 Boisbriand, Québec J7G 2A7 CANADA  
 TELEPHONE NUMBER: (450) 430-6780

Chemical Family

Not applicable. (Paint)

In case of Emergency

EMERGENCY PHONE NUMBERS:  
 USA and Canada: 1-800 424-9300  
 International: 1-703 527-3887

## Section 2. Composition and Information on Ingredients

Name	CAS #	% by Weight	TLV/PEL	LC <sub>50</sub> /LD <sub>50</sub>
Aromatic polyisocyanate	Proprietary	10-30	Not available.	Not available.
Light aromatic solvent naphtha (petroleum)	64742-95-6	10-30	TWA: 50 (ppm) from ACGIH (TLV)	DERMAL (LD50): Acute: 4000 mg/kg [Rabbit]. VAPOR (LC50): Acute: 10200 ppm 4 hour(s) [Rat].
Xylenes	1330-20-7	7-13	TWA: 100 STEL: 150 (ppm) from OSHA (PEL)	DERMAL (LD50): Acute: 2000 mg/kg [Rabbit]. VAPOR (LC50): Acute: 6700 ppm 4 hour(s) [Rat].
Artic Mist (Not in high Gloss)		7-13	Not available.	Not available.
Ferric oxide (Earth tones)	1309-37-1	5-10	TWA: 5 (mg/m <sup>3</sup> ) from ACGIH (TLV)	ORAL (LD50): Acute: 10000 mg/kg [Rat].
Titanium oxide (In pastel or greyish only)	13463-67-7	5-10	TWA: 10 (mg/m <sup>3</sup> ) from ACGIH INHALATION	DERMAL (LD50): Acute: 10000 mg/kg [Rabbit].
Di(2-ethylhexyl) phthalate	117-81-7	1-5	TWA: 5 STEL: 10 (mg/m <sup>3</sup> ) from OSHA	DERMAL (LD50): Acute: 2500 mg/kg [Rabbit].
Diphenylmethane-4,4'-diisocyanate	101-68-8	1-5	TWA: 0.005 (ppm)	DERMAL (LD50): Acute: 10000 mg/kg [Rabbit]. VAPOR (LC50): Acute: 36 ppm 4 hour(s) [Rat].
Diphenylmethane diisocyanate (MDI) mixed monomers	26447-40-5	1-5	TWA: 0.005 CEIL: 0.02 (ppm)	Not available.
Isopropyl phenol phosphate(3-1)	68937-41-7	1-5	Not available.	ORAL (LD50): Acute: 20000 mg/kg [Rat].
Glycol Ether PM Acetate (In tinted only)	(108-65-6)	0-5	TWA: 100 STEL: 150 (ppm) from (Supplier)	DERMAL (LD50): Acute: 5000 mg/kg [Rabbit].
Carbon Black (In colors derived from black)	1333-86-4	0.1-1	TWA: 3.5 (mg/m <sup>3</sup> ) from ACGIH	DERMAL (LD50): Acute: 3000 mg/kg [Rabbit].

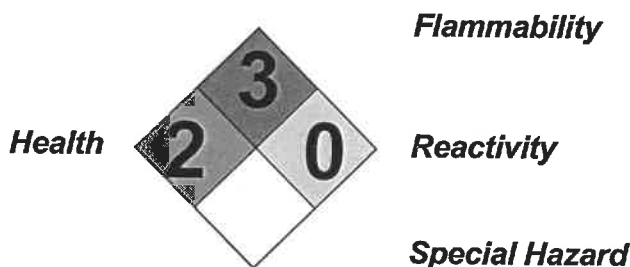
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## Section 5. Fire and Explosion Data

<b>Flammability of the Product</b>	Flammable.
<b>Auto-Ignition Temperature</b>	The lowest known value is 382°C (719.6°F) (Di(2-ethylhexyl) phthalate).
<b>Flash Points</b>	The lowest known value is CLOSED CUP: 24°C (75.2°F). (Tagliabue.). OPEN CUP: 37.8°C (100°F). (Cleveland). (Xylenes)
<b>Flammable Limits</b>	The greatest known range is LOWER: 1.1% UPPER: 7% (Xylenes)
<b>Products of Combustion</b>	Carbon oxides (CO, CO <sub>2</sub> ), and other toxic compounds (nitrogen oxides, isocyanate vapors and traces of hydrogen cyanide).
<b>Fire Hazards in Presence of Various Substances</b>	Flammable in presence of open flames and sparks.
<b>Explosion Hazards in Presence of Various Substances</b>	Risks of explosion of the product in presence of mechanical impact: Not available. Risks of explosion of the product in presence of static discharge: Yes.
<b>Fire Fighting Media and Instructions</b>	Flammable liquid, insoluble in water. SMALL FIRE: Use DRY chemicals, CO <sub>2</sub> , soda ash or lime. LARGE FIRE: Use water spray or fog. Never direct a water jet in the container in order to prevent any splashing of the product which could cause spreading of the fire. Cool the containers with water spray or fog in order to prevent pressure build-up, autoignition or explosion. Firefighters should be equipped with self-contained breathing apparatus to protect against toxic and irritating fumes. During a fire, isocyanate vapors and other irritating, highly toxic gases may be generated by thermal decomposition or combustion.
<b>Special Remarks on Fire Hazards</b>	Vapor may travel considerable distance to source of ignition and flash back. When heated to decomposition it emits highly toxic fumes.
<b>Special Remarks on Explosion Hazards</b>	Container explosion may occur under fire conditions or when heated (due to pressure build-up). Vapor forms explosive mixture with air between upper and lower flammable limits.



## Section 6. Accidental Release Measures

<b>Small Spill</b>	Absorb with an inert material and place in an appropriate waste disposal container. Treat with a neutralizing solution (5% ammonia water, or 5-10 % sodium carbonate in water). Wear suitable protective clothing and respirator.
<b>Large Spill</b>	Poisonous flammable liquid, insoluble or very slightly soluble in water. Ventilate. Eliminate all sources of ignition. Wear suitable protective clothing, gloves and eye/face protection. A self-contained breathing apparatus should be used to avoid inhalation of the product. Warn personnel to move away. Stop leak if without risk. DO NOT touch spilled material. Prevent entry into sewers, basements or confined areas; dike if needed. Cover with WET earth, sand or other non-combustible material, or with DRY absorbent wetted with a neutralizing solution (5% ammonia water, or 5-10% sodium carbonate in water). After 15 minutes transfer it to waste container, or put in open drums - fill the drums half way. Do not seal - evolution of CO <sub>2</sub> can cause pressure build-up. Keep drums (not sealed) outside, or in safe ventilated area for a few days. After clean-up monitor the vapors concentration. Use the neutralizing solution to decontaminate the surface and the tools. The spilled material, clean-up residues, and spent decontamination solution are hazardous wastes. Call for assistance on disposal.

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## Section 11. Toxicological Information

Routes of Entry	Inhalation. Skin contact (absorption). Eye contact. Ingestion.
Toxicity to Animals	See: Section II
Chronic Effects on Humans	The substance is toxic to mucous membranes, upper respiratory tract, lungs, blood, kidney, liver. Sensitive individuals may develop eczema and/or asthma on inhalation of this material. However, in light of good industrial hygiene, exposure to any chemical should be kept to a minimum.
Other Toxic Effects on Humans	See: Section 3
Special Remarks on Toxicity to Animals	Testicular damage in animal. An experimental teratogen (Di(2-ethylhexyl) phthalate). Embryofetotoxic in animal studies. (Xylene) IARC Group 2B carcinogen - possibly carcinogenic to humans (Titanium dioxide).
Special Remarks on Chronic Effects on Humans	Isocyanates are not known to cause cancer in humans, but may cause skin and respiratory sensitization in humans. Sensitive individuals may develop eczema and/or asthma on inhalation of this material. Exposure may cause asthma, dermatitis and pulmonary oedema; effects may be delayed. Reports have associated repeated and prolonged occupational exposure to solvents with permanent brain and nervous system damage, and other systemic effects. Intentional misuse by deliberately concentrating and inhaling vapors may be harmful or fatal.
Special Remarks on other Toxic Effects on Humans	Exposure can cause nausea, headache and vomiting. Over-exposure can cause lung irritation, chest pain and oedema which may be fatal. Sensitizer - skin and inhalation. Medical supervision of all employees who come in contact with this product is recommended (preemployment and periodic medical examinations).

## Section 12. Ecological Information

Ecotoxicity	Not available.
BOD5 and COD	Not available.
Products of Biodegradation	Not available.
Toxicity of the Products of Biodegradation	Not available.
Special Remarks on the Products of Biodegradation	No additional remarks.

## Section 13. Disposal Considerations

Waste Disposal	In accordance with municipal, state, and federal regulations. Consult your local or regional authorities. Empty containers must be handled with care due to product residue. Do not heat or cut empty containers with electric or gas torch.
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## Section 14. Transport Information

DOT Classification	DOT CLASS 3: Flammable liquid with a flash point lower than 37.8°C (100°F). PG: III
DOT Identification number	PIN: UN1263 - Paint.
Special Provisions for Transport	No specific remarks.
DOT (Pictograms)	

