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Revised October 8th, 2017

SAFETY DATA SHEET

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SECTION 1: IDENTIFICATION

PRODUCT NAME: CIPADECK® TDO-99S PART "A"

MANUFACTURER/SUPPLIER: CPD Construction Products
219 Connie Crescent, Unit #13
Concord, Ontario Canada L4K 1L4

24 HOUR EMERGENCY NUMBER: CANUTEC: (613) 996-6666

APPLICATION AND USE: Squeegee and roller applied traffic deck overlay.

PRODUCT DESCRIPTION: Two component epoxy polyurethane self-levelling traffic deck overlay.

SECTION 2: HAZARDS IDENTIFICATION

GHS CLASSIFICATION Skin sensitization (Category 1); Reproductive toxicity (Category 1)



SIGNAL WORD **DANGER**

HAZARD STATEMENTS H317 May cause an allergic skin reaction.
H360 May damage fertility or the unborn child.

PRECAUTIONARY STATEMENTS

PREVENTION P201 Obtain special instructions before use.
P202 Do not handle until all safety precautions have been read and understood.
P261 Avoid breathing vapours.
P272 Contaminated work clothing must not be allowed out of the workplace.
P280 Wear protective gloves/ eye protection/face protection.

RESPONSE P308+P313 IF exposed or concerned: Get medical advice/ attention.
P302+P352 IF ON SKIN: wash with plenty of soap and water.
P333+P313 If skin irritation or rash occurs: Get medical advice/ attention.
P362+P364 Take off contaminated clothing and wash it before reuse.

STORAGE P405 Store locked up.

OTHER HAZARDS Toxic fumes may be released during a fire. May be mildly irritating to skin, eyes and respiratory system. May cause gastrointestinal irritation. Toxic to aquatic life with long lasting effects.

SECTION 3 : COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous Ingredients	%	C.A.S. #	LD/50, Route, Species	LC/50, Route, Species
4,4-Isopropylidenediphenol	60-100	25068-38-6	11400 mg/ Kg (Oral-Rat)	No Data
4-Nonyl Phenol (branched)	7-13	84852-15-3	>5000 mg/ Kg (Oral-Rat) 3160 mg/ Kg (Dermal-Rabbit)	No Data
Castor Oil Glycidyl Ether	5-15	74398-71-3	>5000 mg/ Kg (Oral-Rat) >2000 mg/ Kg (Dermal-Rabbit)	No Data
C12- C14 Alkyl Glycidyl Ether	1-5	68609-97-2	19200 mg/ Kg (Oral-Rat) >4500 mg/ Kg (Dermal-Rabbit)	No Data
Dibutyl Phthalate	1-5	84-74-2	8000 mg/ Kg (Oral-Rat)	4250mg/m ³ (Inhalation-Rat)
D-Limonene	0.1-1.0	5989-27-5	4400 mg/ Kg (Oral-Rat) >5000 mg/ Kg (Dermal-Rabbit)	No Data

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SECTION 4 : FIRST-AID MEASURES		
FIRST-AID MEASURES		
EYE CONTACT	Flush eyes with lukewarm water for at least 15 minutes holding eye lids open. If irritation persists see a physician.	
SKIN CONTACT.....	Wash with soap and water and remove contaminated clothing. Wash clothing separately prior to reuse. If irritation persists, get medical attention.	
INHALATION	Remove victim to fresh air. Consult a physician after significant exposure.	
INGESTION	If swallowed, DO NOT induce vomiting. Rinse mouth and call a physician or poison control centre immediately. Never give anything by mouth to an unconscious person. Obtain medical attention.	
SYMPTOMS AND EFFECTS, ACUTE OR DELAYED		
EYE CONTACT	Mild irritation and discomfort, may cause excessive lachrymation or serious eye damage.	
SKIN CONTACT.....	Irritation may occur. Prolonged or repeated contact may result in skin sensitization and dermatitis.	
INHALATION	Prolonged inhalation may result in respiratory irritation, coughing.	
INGESTION	Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.	
IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED		
Treat symptomatically.		
SECTION 5: FIRE-FIGHTING MEASURES		
SUITABLE EXTINGUISHING MEDIA	Carbon dioxide (CO ₂), dry chemical, alcohol resistant foam, water fog	
UNSUITABLE EXTINGUISHING MEDIA	Do not use a solid water stream as it may scatter and spread fire.	
SPECIAL HAZARDS ARISING FROM THE SUBSTANCE OR MIXTURE		
The pressure in sealed containers can increase under the influence of heat.		
FLAMMABILITY CLASSIFICATION	Not flammable, according to OSHA 29 CFR 1910.106.	
HAZARDOUS COMBUSTION PRODUCTS	Carbon oxides. Acids, Phenols, Aldehydes, Other unidentified organic compounds.	
FIRE-FIGHTERS PROTECTIVE EQUIPMENT ...	Fire-fighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots and in enclosed spaces, fire-fighters should wear an approved full face, self-contained breathing apparatus (SCBA) and impervious clothing.	
SPECIAL FIRE FIGHTING PROCEDURES.....	Move containers from fire area if safe to do so. Water spray may be useful in cooling equipment exposed to heat and flame. Do not allow run-off from the firefighting to enter drains or water courses. Dike for water control.	
SECTION 6: ACCIDENTAL RELEASE MEASURES		
PERSONAL PRECAUTIONS	Keep people away from and upwind of spill/ leak. Restrict access to area until completion of clean-up. Wear appropriate protective equipment. Refer to protective measures listed in Section 7 and 8.	
ENVIRONMENTAL PRECAUTIONS	Prevent product from entering drains, sewers, waterways and soil.	
METHODS AND MATERIAL FOR CONTAINMENT AND CLEAN-UP		
Ventilate the area. Remove all sources of ignition. Prevent further leakage or spillage if safe to do so. For spilled liquids absorb with inert, non-combustible material such as sand, then place into suitable containers. Pick up and transfer to properly labelled containers. Contaminated absorbent material may pose the same hazard as the spilled product. Contact the proper local authorities. Refer to Section 13 for disposal of contaminated material.		
SPECIAL SPILL RESPONSE PROCEDURES ...	If a spill/ release in excess of the EPA reportable quantity is made into the environment, immediately notify the national response centre in the United States (phone: 1-800-424-8802) US CERCLA Reportable quantity (RQ): None known.	
SECTION 7: HANDLING AND STORAGE		
PRECAUTIONS FOR SAFE HANDLING	Obtain special instruction before use. Do not handle until all safety precautions have been read and understood. Persons with recurrent skin eczema or sensitization problems should be excluded from working with this product. Once a person is sensitized, no further exposure to the material that caused the	

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CONDITIONS FOR SAFE STORAGE		sensitization should be permitted. Provide adequate ventilation. Wear suitable protective equipment during handling. Wear protective gloves/ clothing and eye/ face protection. Avoid breathing vapours. Avoid contact with skin, eyes and clothing. Keep away from extreme heat and flame. Keep away from incompatibles. Keep containers closed when not in use. Wash thoroughly after handling. Contaminated work clothing must not be allowed out of the workplace. Empty containers retain residue (liquid and/or vapour) and can be dangerous. Store in cool/ well ventilated place. Store locked up. Storage area should be clearly identified, clear of obstruction and accessible only to trained and authorised personnel. Inspect periodically for damage or leaks.			
SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION					
EXPOSURE LIMITS:		ACGIH TLV		OSHA PEL	
		TWA	STEL	PEL	STEL
DIBUTYL PHTHALATE		5 mg/ m³	N/Av	5 mg/ m³	N/Av
D-LIMONENE		30 ppm (skin) (AIHA WEEL)	N/Av	N/Av	N/Av
EXPOSURE CONTROLS:					
VENTILATION/ ENGINEERING MEASURES:		Provide adequate ventilation. Apply technical measures to comply with the occupational exposure limits. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction. In case of insufficient ventilation, wear suitable respiratory equipment.			
RESPIRATORY PROTECTION		If airborne concentrations are above the permissible exposure limit or are not known, use NIOSH-approved respirators. Respirators should be selected based on the form and concentration of contaminants in air, and in accordance with OSHA (29CFR 1910.134) or CSA Z94.4-02. NIOSH approved organic vapour cartridge respirators are recommended. Advice should be sought from respiratory protection specialists.			
SKIN PROTECTION		Wear protective gloves/ clothing. The suitability for a specific workplace should be discussed with the producers of the protective gloves. Wear resistant clothing and boots.			
EYE/ FACE PROTECTION		Wear eye/ face protection. Wear as appropriate: Safety glasses with side shields; Tightly fitting safety goggles.			
OTHER PROTECTIVE EQUIPMENT		An eyewash station and safety shower should be made available in the immediate working area. Other equipment may be required depending on workplace standards.			
GENERAL HYGIENE CONSIDERATIONS		Avoid breathing dust, fume and vapours. Avoid contact with skin, eyes and clothing. Wash thoroughly after handling. Remove and wash contaminated clothing before reuse. Handle in accordance with good industrial hygiene and safety practice. Contaminated clothing must not be allowed out of the workplace.			
SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES					
PHYSICAL STATE/ APPEARANCE		White Liquid			
ODOUR		Mild Sweet Hydrocarbon			
ODOUR THRESHOLD		Not available			
pH LEVEL		Not available			
MELTING/ FREEZING POINT		Not available			
EVAPORATION RATE (N-BuAc=1)		Not applicable			
VAPOUR PRESSURE		Not applicable			
VISCOSITY		3700 cPs			
VAPOUR DENSITY (AIR=1)		Not applicable			
SPECIFIC GRAVITY @20°C (68°F)		1.13			
BOILING POINT		Not applicable			
SOLUBILITY IN WATER		Insoluble			
% VOLATILE		10 grams/L			

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SECTION 10: STABILITY AND REACTIVITY		
REACTIVITY	Not normally reactive.	
CHEMICAL STABILITY	Stable under normal conditions.	
HAZARDOUS REACTIONS	Hazardous polymerization does not occur.	
CONDITIONS TO AVOID	Avoid direct sources of heat. Do not use in areas without adequate ventilation.	
	Avoid contact with incompatible materials.	
INCOMPATIBLE MATERIALS	Strong oxidizing agents; Strong acids; Strong bases.	
HAZARDOUS DECOMPOSITION PRODUCTS	Refer to hazardous combustion products, Section 5.	
SECTION 11: TOXICOLOGICAL INFORMATION		
LIKELY ROUTES OF EXPOSURE	Inhalation, skin and eye contact, ingestion, skin absorption.	
SIGNS AND SYMPTOMS OF EXPOSURE		
INHALATION	Mild respiratory irritant. May cause coughing and breathing difficulties.	
INGESTION	Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.	
SKIN CONTACT	May cause mild skin irritation. Direct skin contact may cause temporary redness.	
EYE CONTACT	Direct eye contact may cause slight or mild transient irritation. Exposure may cause temporary irritation, redness or discomfort.	
CHRONIC HEALTH EFFECTS	None known.	
MUTAGENICITY	Not expected to be mutagenic.	
CARCINOGENICITY	Not classified as carcinogens by ACGIH, IARC, OSHA or NTP.	
REPRODUCTIVE EFFECTS	This material is classified as hazardous under U.S. OSHA regulations (29 CFR1910.1200) (Hazcom2012) and Canadian WHMIS regulations (Hazardous Products Regulations) (WHMIS 2015) Classification: Reproductive Toxicity-Category 1, May damage fertility or the unborn child. Contains Dibutyl Phthalate	
SENSITIZATION TO MATERIAL	This material is classified as hazardous under U.S. OSHA regulations (29 CFR1910.1200) (Hazcom2012) and Canadian WHMIS regulations (Hazardous Products Regulations) (WHMIS 2015) Classification: Skin sensitization-Category 1A- May cause allergic skin reaction.	
	Not expected to be a respiratory sensitizer.	
SPECIFIC TARGET ORGAN EFFECTS	Not classified as specific target organ toxicity-single exposure	
	Not classified as specific target organ toxicity- repeated exposure.	
MEDICAL CONDITIONS AGGRAVATED BY OVEREXPOSURE	Pre-existing skin, eye, and respiratory disorders.	
TOXICOLOGICAL DATA	There is no data available for this product.	
INGREDIENTS LD50/ LC50 DATA	Refer to Section 3.	
SECTION 12: ECOLOGICAL INFORMATION		
ECOTOXICITY	No data is available on the product itself. However, ingredients of the chemical composition are toxic to aquatic life with long lasting effects. The product should not be allowed to enter drains or watercourses, or be deposited where it can affect ground or surface waters.	
PERSISTANCE AND DEGRADABILITY	No data is available on the product itself.	
BIOACCUMULATION POTENTIAL	No data is available on the product itself.	
MOBILITY IN SOIL	No data is available on the product itself.	
SECTION 13: DISPOSAL CONSIDERATIONS		
HANDLING FOR DISPOSAL	Handle in accordance with good industrial hygiene and safety practice. Refer to protective measures listed in Sections 7 and 8.	
METHODS OF DISPOSAL	Dispose in accordance with all applicable federal, state, provincial and local regulations.	
RCRA	If this product, as supplied, becomes a waste in the United States, it may meet the criteria of a hazardous waste as defined under RCRA, Title 40 CFR 261. It is the responsibility of the waste generator to determine the proper waste identification and disposal method. For disposal of unused or waste material, check with local, state and federal environmental agencies.	

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SECTION 14: TRANSPORTATION INFORMATION								
TDG CLASSIFICATION	Not regulated.							
SECTION 15: REGULATORY INFORMATION								
CEPA INFORMATION	All ingredients listed appear on the Domestic Substances List (DSL).							
WHMIS CLASSIFICATION	Class D Division 2, Subdivision A & B.							
CPR (CANADA) COMPLIANCE	Meets all requirements.							
SECTION 16: OTHER INFORMATION								
ACGIH	American Confederation of Governmental Industrial Hygienists							
IARC	International Agency for Research on Cancer							
NTP	National Toxicology Program							
STEL	Short Term Exposure Limit							
PEL	Permissible Exposure Limit							
TLV-TWA	Threshold Limit Value - Time-Weighted Average							
OSHA	Occupational Safety and Health Administration							
NIOSH	National Institute for Occupational Safety and Health							
MSHA	Mine Safety and Health Administration							
RCRA	Resource Conservation and Recovery Act							
CPR	Controlled Products Regulations							
CEPA	Canadian Environmental Protection Act							
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act							
CAS	Chemical Abstracts Service							
PPE	Personal Protection Equipment							
N/Av	Not available							
<table style="width: 100%;"> <tr> <td style="width: 35%;">PREPARED BY:</td> <td>Camelia Gardo</td> </tr> <tr> <td>TELEPHONE NUMBER:</td> <td>(905) 669-5013</td> </tr> <tr> <td>PREPARATION DATE:</td> <td>October 8th, 2017</td> </tr> </table>			PREPARED BY:	Camelia Gardo	TELEPHONE NUMBER:	(905) 669-5013	PREPARATION DATE:	October 8 th , 2017
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