Material Safety Data Sheet

WHMIS	Protective Clothing	TDG Road/Rail
		

Section I. Product Identification and Uses

Common/Trade name	**Shop Primer Grey**
Synonyms	Not available.
Chemical name	Not applicable.
Chemical formula	Not applicable.
Chemical family	Not applicable.
Supplier	Polyval Coatings Inc. 520 Cure-Boivin Blvd. Boisbriand, Que. Canada J7G 2A7 Phone: (450) 430-6780
Material uses	Coatings: Alkyd-based

CI#	Not applicable.
DSL	Not available.
CAS#	Not applicable.
Code	518022,518025
Molecular weight	Not applicable.
Manufacturer	Polyval Coatings Inc. EMERGENCY PHONE NUMBERS: USA and Canada: 1-800 424-9300; International: 1-703 527-3887

Section IA. First Aid Measures

Eye contact	Check for and remove any contact lenses. IMMEDIATELY flush eyes with running water for at least 15 minutes, keeping eyelids open. DO NOT use an eye ointment. Seek medical attention.
Skin contact	Wash gently and thoroughly the contaminated skin with running water and non-abrasive soap. Rinse with plenty of running water. If irritation persists, seek medical attention.
Hazardous skin contact	If the chemical gets onto the clothed portion of the body, remove the contaminated clothes as quickly as possible, protecting your own hands and body. Place the person under the shower. Wash the contaminated skin gently and thoroughly with running water and non abrasive soap. Be particularly careful to clean folds, crevices, creases and groin. Rinse with plenty of running water. Seek medical attention.
Slight inhalation	Allow the person to rest in a well ventilated area. If symptoms persist, seek medical advice immediately (show the label when possible).
Hazardous inhalation	Evacuate the person to a safe area as soon as possible. Loosen tight clothing around the person's neck and waist. If the person is not breathing, administer mouth-to-mouth resuscitation. Warning: It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation if the inhaled material is toxic. Oxygen may be administered if breathing is difficult. Seek medical attention.
Slight ingestion	DO NOT induce vomiting. Have conscious person drink several glasses of water. Seek immediate medical attention.
Hazardous ingestion	DO NOT induce vomiting. Have conscious person drink several glasses of water. Never give an unconscious person anything to ingest. Even small amounts of liquid aspirated into lungs during ingestion or from vomiting may cause mild to severe pulmonary injury and possibly death. If breathing is difficult, administer oxygen. If the person is not breathing, administer mouth-to-mouth resuscitation. WARNING: It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation as the material is toxic. Avoid mouth-to-mouth contact by using mouth guards or shields. Seek immediate medical attention.

Section II. Hazardous Ingredients

			Exposure Limits	
Name	**CAS #**	**% by Weight**	**TLV/PEL**	**LC_{50}/LD_{50}**
Xylenes	1330-20-7	10-30	TWA: 100 STEL: 150 (ppm) from OSHA (PEL)	ORAL (LD50): Acute: 4300 mg/kg [Rat]. DERMAL (LD50): Acute: 2000 mg/kg [Rabbit]. VAPOR (LC50): Acute: 6700 ppm 4 hour(s) [Rat].
Alkyd resin a	Not available	5-10	Not available.	Not available.
Petroleum Naphtha (C6-C9)	64742-89-8	3-7	TWA: 300 STEL: 400 (ppm) from OSHA (PEL) TWA: 300 STEL: 400 (ppm) from ACGIH (TLV)	ORAL (LD50): Acute: 5000 mg/kg [Rat]. VAPOR (LC50): Acute: 3400 ppm 4 hour(s) [Rat.].
Titanium oxide	13463-67-7	1-5	TWA: 10 (mg/m^3) from ACGIH INHALATION	ORAL (LD50): Acute: 24000 mg/kg [Rat]. DERMAL (LD50): Acute: 10000 mg/kg [Rabbit].
alkyd resin	68459-26-7	1-5	Not available.	Not available.
Stoddard Solvent	8052-41-3	1-5	TWA: 100 (ppm) from OSHA (PEL) TWA: 100 (ppm) from ACGIH (TLV)	ORAL (LD50): Acute: 5001 mg/kg [Rat]. VAPOR (LC50): Acute: 5501 ppm 4 hour(s) [Rat].
Silica, crystalline, quartz	14808-60-7	0.1	TWA: 0.1 (mg/m^3) from OSHA (PEL) INHALATION TWA: 0.1 (mg/m^3) from ACGIH (TLV) INHALATION	Not available.

Section III. Physical Data

Physical state and appearance	Liquid.
pH (1% soln/water)	Not applicable.
Odor threshold	The highest known value is 2 ppm (Xylenes)
Volatility	70±2% (v/v). 50±2% (w/w).
Melting point	Not available.
Boiling point	The lowest known value is 138.5°C (281.3°F) (Xylenes). Weighted average: 139.63°C (283.3°F)
Specific gravity	1.36-1.50 (Water = 1)
Vapor density	The highest known value is 4.3 (Air = 1) (Light aromatic solvent naphtha (petroleum)). Weighted average: 3.74 (Air = 1)
Vapor pressure	The highest known value is 6.72 mm of Hg (@ 20°C) (Xylenes). Weighted average: 6.38 mm of Hg (@ 20°C)
Evaporation rate	The highest known value is 1.1 (Petroleum Naphtha (C6-C9)). Weighted average: 0.93compared to Butyl acetate = 1
Viscosity	Not available.
Water/oil dist. coeff.	Not available.
Ionicity (surface active agent)	Not available.
Critical temperature	Not available.
Instability temperature	Not available.
Conditions of instability	No additional remarks.
Dispersion properties	Is not dispersed in water.
Solubility	Insoluble in water.

Odor	Aromatic.
Taste	Not available.
Color	Grey.

Section IV. Fire and Explosion Data

The product is:	Flammable.
Auto-ignition temperature	The lowest known value is 527°C (980.6°F) (Xylenes).
Fire degradation products	Carbon oxides (CO, CO2), and other unidentified, possibly toxic compounds.
Flash points	The lowest known value is CLOSED CUP: 24°C (75.2°F). (Tagliabue.). OPEN CUP: 37.8°C (100°F). (Cleveland). (Xylenes)
Flammable limits	The greatest known range is LOWER: 1.1% UPPER: 7% (Xylenes)
Fire extinguishing procedures	SMALL FIRE: Use DRY chemicals, CO2, water spray or foam. 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, irritating and possibly toxic gases may be generated by thermal decomposition or combustion.
Flammability	Flammable in presence of open flames and sparks.
	Remark Vapor may travel considerable distance to source of ignition and flash back. When heated to decomposition it emits toxic fumes. Liquid will float and may reignite on surface of water.
Risks of explosion	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
	Remark 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 V. Reactivity Data

Stability	The product is stable.
Hazardous decomp. products	Not available.
Degradability	Not available.
Products of degradation	Not available. Not available.
	Remark No additional remarks.
Corrosivity	Not considered to be corrosive for glass and metals according to our data base.
	Remark No additional remarks.
Reactivity	Reactive with oxidizing agents.
	Remark No additional remarks.

Section VI. Toxicological Properties

Routes of entry	Inhalation. Skin contact (absorption). Eye contact. Ingestion.
TLV	See: Section II
Toxicity for animals	See: Section II **Remark** Embryofetotoxic in animal studies. (Xylene)
Chronic effects on humans	**CARCINOGENIC EFFECTS**: Not available. **MUTAGENIC EFFECTS**: Not available. **TERATOGENIC EFFECTS**: Not available. Repeated or prolonged exposure to the substance can produce target organs damage. The substance is toxic to mucous membranes, upper respiratory tract, lungs, kidneys and liver. Frequent skin exposure may cause skin irritation or dermatitis. **Remark** May cause nervous system disturbances. 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 vapours may be harmful or fatal.
Acute effects on humans	This product may irritate eyes and skin upon contact. Inflammation of the eyes is characterized by redness, watering, and itching. Skin inflammation is characterized by itching, scaling, reddening, or, occasionally, blistering. Harmful if swallowed. Irritation or chemical burns of the mouth, pharynx, esophagus and stomach can develop following ingestion of this product. Even small amounts of liquid aspirated into lungs during ingestion or from vomiting may cause mild to severe pulmonary injury and possibly death. Harmful if inhaled. Over exposure by inhalation of the vapors/spray mist may produce irritation of respiratory tract. Possibility of headaches, nausea, vomiting and dizziness. Severe overexposure can cause unconciousness or death. **Remark** This product is irritating to mucous membranes and upper respiratory tract. Exposure can cause nausea, headaches and vomiting. May be aggravating to some skin and asthma-type conditions, and to pre-existing liver/or kidney disorders.

Section VII. Preventive Measures

Waste disposal	In accordance with municipal, provincial 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.
Storage	Flammable materials should be stored in a separate safety storage cabinet or room. Keep away from heat. Keep away from sources of ignition. Keep container tightly closed and in a well-ventilated place. Keep away from incompatibles. A refrigerated room would be preferable for materials with a flash point lower than 37.8°C (100°F).
Precautions	Keep locked up and out of reach of children. Manipulate in a well ventilated area. In case of insufficient ventilation, wear suitable respiratory equipment. Do not breathe gas/fumes/vapour/spray. Avoid contact with skin and eyes. Contact lenses should not be worn when working with chemicals because they may contribute to the severity of an eye injury. Keep away from foodstuff, drinks and tobacco. Eating, drinking and smoking should be prohibited in area where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Ensure that eyewash station and safety shower is proximal to the work-station location. In case of accident or if you feel unwell, seek medical advice immediately (show the label when possible). Individuals with respiratory problems (asthma, chronic bronchitis), or allergic to solvents, should avoid any contact with this product. Ground all equipment containing material (during handling, mixing, and spraying).
Small spill and leak	Absorb with an inert material and put the spilled material in an appropriate waste disposal. Wear suitable protective clothing and proper respirator.
Large spill and leak	Poisonous flammable liquid, insoluble or very slightly soluble in water. Ventilate. Eliminate all sources of ignition. Wear full protective equipment, including respiratory equipment during clean-up. Stop leak if without risk. DO NOT touch spilled material. Prevent entry into storm or sanitary sewers, lakes, rivers, streams or public waterways. Absorb with an inert material and put the spilled material in an appropriate waste disposal. Call for assistance on disposal.
Protective Clothing	Splash goggles. Full suit. Boots. Gloves (impervious). Wear appropriate respirator when ventilation is inadequate.

Section VIII. Classification

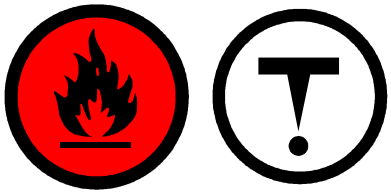
TDG road / rail TDG CLASS 3: Flammable liquid.

PIN: UN1263 - Paint. TDG Class: 3 PG: III

Remark

109 The consignor must determine legal limit.

WHMIS WHMIS CLASS B-2: Flammable liquid with a flash point lower than 37.8°C (100°F).
WHMIS CLASS D-2A: Material causing other toxic effects (VERY TOXIC).
WHMIS CLASS D-2B: Material causing other toxic effects (TOXIC).



Remark

No additional remarks.

Section IX. Protective Clothing

Splash goggles. Full suit. Gloves (impervious). In case of insufficient ventilation, wear suitable respiratory equipment. During spray application: Air-purifying respirator with an organic vapor cartridge and particulate pre-filters. Be sure to use a MSHA/NIOSH approved respirator or equivalent.

Section X. Other Information

References Manufacturer's MSDS, RTESC, NIOSH, CCOHS.
Hazardous Chemicals Desk Reference-R.J.Lewis,Sr. 2nd ed. 1991 Van Nostrand Reinhold.
Hawley, G.G.. The Condensed Chemical Dictionary, 12th ed., New York N.Y., Van Nostrand Reinhold, 1987.

CANADIAN ENVIRONMENTAL PROTECTION ACT (CEPA): All components of this product are either on the Domestic Substances List (DSL), or exempt, and acceptable for use under the provisions of CEPA. Individuals with respiratory problems (asthma, chronic bronchitis) should avoid any contact with this product.

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