



Plastique Royal
2809 Rue Etienne Lenoir
Laval, H7R 6J4
QC

PRODUCT: FUS32BLV GRAVELGUARD COATING BLACK

Section 01: Chemical product and company identification

Product name..... FUS32BLV GRAVELGUARD COATING BLACK
 Manufactured for..... Plastique Royal Inc.,
 2809 Rue Etienne-Lenoir
 Laval, QC H7R 6J4
 24 hour emergency number..... IN CANADA CALL CANUTEC (613) 996-6666-IN THE UNITED STATES CALL
 CHEMTREC (800) 424-9300.
 Material use..... Paints.
 Chemical family..... Mixture.
 Preparation date..... September 26, 2013.
 NFPA rating..... Health: 2 Fire: 3 Reactivity: 0.
 HMIS..... H: 2 F: 3 R: 0.

Section 02: Hazards identification



Signal Word..... DANGER.
 Hazard Classification..... Flammable Liquid 2. Carcinogen 2. Eye Irritant 2. Skin Irritant 2.
 Hazard Description..... H225 Highly flammable liquid and vapour. H315 Causes skin irritation. H320 Causes eye irritation. H333 May be harmful if inhaled. H351 This product contains ingredients that are suspected of causing cancer.
 Precautionary Statements..... P210 Keep away from heat, sparks, open flames and hot surfaces. No smoking. P211 Do not spray on an open flame or other ignition sources. P233 Keep container tightly closed. P235 Keep cool. P240 Ground and bond container and receiving equipment. P243 Take precautionary measures against static discharge. P261 Avoid breathing mists, vapours and sprays. P264 Wash thoroughly after handling. P271 Use only outdoors or in a well ventilated area. P280 Wear protective gloves and eye protection. P284 In case of inadequate ventilation wear respiratory protection.

Section 03: COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous Ingredients	CAS #	Wt. %
ACETIC ACID, TERT-BUTYL ESTER	540-88-5	15-30
TOLUENE	108-88-3	10-30
CALCIUM CARBONATE	1317-65-3	10-30
BENTONE	68953-58-2	1-5
SOLVENT NAPHTHA, HEAVY ALIPHATIC	64742-96-7	1-5
CRYSTALLINE SILICA	14808-60-7	0.1-1.0
CARBON BLACK	1333-86-4	0.1-1.0

Section 04: First aid measures

Eye contact..... In case of contact, immediately flush eyes, keeping eyelids open, with plenty of water for at least 15 minutes. Obtain medical attention.
 Skin contact..... Remove all contaminated clothing and immediately wash the exposed areas with copious amounts of water for a minimum of 30 minutes or up to 60 minutes for critical body areas. If irritation persists, seek medical attention.
 Inhalation..... If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen, obtain medical attention.
 Ingestion..... If ingestion is suspected, contact physician or poison control center immediately. If spontaneous vomiting occurs have victim lean forward with head down to prevent aspiration of fluid into the lungs. Never give anything by mouth to an unconscious person.

PRODUCT: FUS32BLV GRAVELGUARD COATING BLACK**Section 04: First aid measures**

Additional information..... Treat victims symptomatically. In the event of an incident involving this product ensure that medical authorities are provided a copy of this safety data sheet.

Section 05: Fire fighting measures

Extinguishing media..... "Alcohol" foam, CO₂, dry chemical. During a fire, isocyanate vapors and other irritating, highly toxic gases may be generated by thermal decomposition or combustion. Use cold water spray to cool exposed containers to minimize risk of rupture .

Hazardous combustion products..... Oxides of carbon (CO, CO₂). Oxides of nitrogen.

Special fire fighting procedures..... Firefighter should be equipped with self-contained breathing apparatus and full protective clothing to protect against potentially toxic and irritating fumes. Solvent vapours may be heavier than air and may build up and travel along the ground to an ignition source, which may result in a flash back to the source of the vapours. Cool fire-exposed containers with cold water spray. Heat will cause pressure buildup and may cause explosive rupture.

Section 06: Accidental release measures

Leak/spill..... Ventilate. Eliminate all sources of ignition. Contain the spill. Avoid all personal contact. Spilled material and water rinses are classified as chemical waste, and must be disposed of in accordance with current local, provincial, state, and federal regulations. Evacuate all non-essential personnel. Prevent runoff into drains, sewers, and other waterways. Absorb with earth, sand, or another dry inert material. Shovel into suitable unsealed containers, transport to well-ventilated area (outside) and treat with neutralizing solution: mixture of water (80%) with non-ionic surfactant Tergitol TMN-10 (20%); or water (90%), concentrated ammonia (3-8%) and detergent (2%).

Section 07: Handling and storage

Handling procedures..... Avoid all skin contact and ventilate adequately, otherwise wear an appropriate breathing apparatus. Always adopt precautionary measures against build-up of static which may arise from appliances, handling and the containers in which product is packed. Avoid breathing vapours or mist. Ground handling equipment. Handle and open container with care. Employees should wash hands and face before eating or drinking. Keep away from heat, sparks, and open flame.

Storage needs..... Keep away from heat, sparks, and open flames. Keep container closed when not in use. Store away from oxidizing and reducing materials. Store away from sunlight.

Section 08: Exposure controls / personal protection

Ingredients	TWA	ACGIH TLV STEL	PEL	OSHA PEL STEL	REL	NIOSH
ACETIC ACID, TERT-BUTYL ESTER	200 ppm	Not established	200 ppm	Not established	200 ppm	
	200 ppm					
TOLUENE	20 ppm	Not established	200 ppm	500 ppm 10 minutes	100 ppm / STEL 150 ppm	
	50 ppm					
CALCIUM CARBONATE	No data	No data	5 mg/m ³	No data	5 mg/m ³	
	No data					
BENTONE	No data	No data	No data	No data	No data	
	No data					
SOLVENT NAPHTHA, HEAVY ALIPHATIC	No data	No data	No data	No data	No data	
	No data					
CRYSTALLINE SILICA	0.025 mg/m ³	No data	No data	No data	0.05 mg/m ³	
	No data					
CARBON BLACK	3.5 mg/m ³	Not established	3.5 mg/m ³	Not established	3.5 mg/m ³	
	No data					
Protective equipment						
Eye/type.....						Liquid chemical goggles.
Respiratory/type.....						Local exhaust ventilation is recommended. Wear an appropriate, properly fitted respirator when contaminant levels exceed the recommended exposure limits.
Gloves/ type.....						Chemical resistant gloves.
Clothing/type.....						Wear adequate protective clothes.

PRODUCT: FUS32BLV GRAVELGUARD COATING BLACK**Section 08: Exposure controls / personal protection**

Footwear/type.....	Safety boots per local regulations.
Other/type.....	Emergency showers and eye wash stations should be available.
Ventilation requirements.....	Provide natural or mechanical ventilation to control exposure levels below airborne exposure limits. Local mechanical exhaust ventilation should be used at sources of air contamination, such as open process equipment, or during purging operations, to capture gases and fumes that may be emitted. Standard reference sources regarding industrial ventilation (ie. ACGIH industrial ventilation) should be consulted for guidance about adequate ventilation. .

Exposure limits

Section 09: Physical and chemical properties

Physical state.....	Liquid.
Colour.....	Gray.
Odour.....	Solvent odour.
Odour threshold (ppm).....	No data.
Vapour pressure (mm Hg).....	No data.
Vapour density (air=1).....	>1.
pH.....	Not applicable.
Specific gravity.....	8.38 lb/usg - 1.00 g/mL.
Freezing point (deg C).....	No data.
Solubility.....	Slightly soluble in water.
Boiling point (deg C).....	97°C.
Evaporation rate.....	No data.
Flash point (deg C), method.....	4°C Closed Cup.
Auto ignition temperature (deg C).....	> 500°C.
Upper flammable limit (% vol).....	6.9.
Lower flammable limit (% vol).....	1.2.
Coefficient of water/oil distribution.....	No data.
VOC.....	249.2 g/l - 2.08 lb/usg.
Viscosity.....	3400 cPs spindle #5.

Section 10: Stability and reactivity

Stability.....	Stable at normal temperatures and pressures.
Reactivity conditions.....	Avoid heat, sparks and flames. Explosive reactions can occur in the presence of strong oxidizing agents.
Incompatibility.....	Keep away from heat. Incompatible with strong oxidizers.
Hazardous products of decomposition.....	By fire: Dense black smoke. Oxides of nitrogen. Oxides of carbon (CO,CO2).
Hazardous polymerization.....	Hazardous polymerization will not occur.

Section 11: Toxicological information

Ingredients	LC50	LD50
ACETIC ACID, TERT-BUTYL ESTER	>2,230 mg/m ³ 4 hours rat	4,100 mg/kg rat oral >2,000 mg/kg rabbit dermal
TOLUENE	8000 ppm rat inhalation	5,000 mg/kg rat oral; 12,124 mg/kg rabbit dermal
CALCIUM CARBONATE	No data	6450 mg/kg rat oral
BENTONE	No data	No data
SOLVENT NAPHTHA, HEAVY ALIPHATIC	>6 mg/L 4 hours rat	>2,000 mg/kg oral rat >2,000 mg/kg dermal rabbit
CRYSTALLINE SILICA	No data	No data
CARBON BLACK	No data	>8,000 mg/kg oral (rat)
Route of entry	Eye contact. Skin contact. Inhalation.	
Skin contact.....	Can cause moderate irritation, defatting and dermatitis.	
Skin absorption.....	Chronic skin exposure to solvents may cause effects similar to those identified under chronic inhalation.	
Eye contact.....	Can cause redness, irritation, tissue destruction.	
Inhalation (acute).....	Solvent vapours may be irritating to the eyes, nose and throat, resulting in redness, burning and itching of eyes, dryness of the throat and tightness in the chest. Breathing of high vapour concentrations may cause anesthetic effects and serious health effects.	
Inhalation (chronic).....	Chronic exposure to organic solvent vapors have been associated with various neurotoxic effects including permanent brain and/or nervous system damage, kidney, liver, blood damage and reproductive effects among women. Symptoms may include nausea, vomiting, abdominal pain, headache, impaired memory, loss of coordination, insomnia and breathing difficulties. Excessive inhalation of vapours can cause respiratory irritation, dizziness, headache, nausea and asphyxiation.	

PRODUCT: FUS32BLV GRAVELGUARD COATING BLACK**Section 11: Toxicological information**

Ingestion.....	Aspiration of material into lungs can cause chemical pneumonitis which can be fatal. May be harmful or fatal if swallowed.
Effects of chronic exposure.....	Breathing high concentrations of vapour may cause anesthetic effects and serious health effects. Intentional misuse by deliberately concentrating and inhaling this product may be harmful or fatal .
Carcinogenicity of material.....	IARC has classified Carbon Black as "Group 2B", possibly carcinogenic to humans, based on laboratory animal inhalation studies. Quartz (Crystalline Silica) is a suspect carcinogen per IARC and NTP.

Toxicological Data

Section 12: Ecological information

Environmental.....	Do not allow to enter waters, waste water or soil.
Biodegradability.....	No data.

Section 13: Disposal considerations

Waste disposal.....	Empty containers must be handled with care due to product residue. This material and its container must be disposed of as hazardous waste. Avoid release to the environment.
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Section 14: Transport information

TDG Classification (Road).....	UN1139 - COATINGS SOLUTION - Class 3 - Packing Group II - This product meets the limited quantity exemption when packaged in containers less than 5 Litres.
DOT Classification (Road).....	UN1139 - COATINGS SOLUTION - Class 3 - Packing Group II .
IATA Classification (Air).....	UN1139 - COATINGS SOLUTION - Class 3 - Packing Group II .
IMDG Classification (Marine).....	UN1139 - COATINGS SOLLUTION - Class 3 - Packing Group II - EmS: F-E S-E.
Marine Pollutant.....	Potential marine pollutant.
Proof of Classification.....	In accordance with Part 2.2.1 of the Transportation of Dangerous Goods Regulations (July 2, 2014) - we certify that classification of this product is correct. .

Section 15: Regulatory information

WHMIS classification.....	B2, D2A, D2B.
CEPA status.....	On Domestic Substances List (DSL).
Section 313.....	Toluene.
OSHA.....	This product is considered hazardous under the OSHA Hazard Communication Standard.
SARA Title III	
Section 302 - extremely hazardous substances	None.
Section 311/312 - hazard categories.....	Immediate health, delayed health, fire hazard.
EPA hazardous air pollutants (HAPS)	Toluene.
40CFR63	
TSCA inventory status.....	All components are listed.
California Proposition 65.....	This product contains Toluene known to the State of California to cause (developmental) reproductive toxicity. This product contains Carbon Black known to the State of California to cause cancer. This product contains Crystalline Silica (Quartz) known to the State of California to cause cancer.

Section 16: Other information

Prepared by:	REGULATORY AFFAIRS.
Telephone number:.....	(800) 387-7981.
Disclaimer:.....	DISCLAIMER: All information appearing herein is based upon data obtained from experience and recognized technical sources. To the best of our knowledge, it is believed to be correct as of the date of issue but we make no representations as to its accuracy or sufficiency and do not suggest or guarantee that any hazards listed herein are the only ones which exist. The hazard information contained herein is offered solely for the consideration of the user, subject to his own investigation and verification of compliance with applicable regulations, including the safe use of the product under every foreseeable condition. The information relates only to the product designated herein, and does not relate to its use in combination with any other material or in any other process.
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