



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

## PRODUCT: FUS13B GRAVELGUARD COATING BLACK

### Section 01: Chemical product and company identification

Product name..... FUS13B 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..... January 17, 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..... Aerosol 1. Reproductive 2. Aspiration Toxicity 1. STOT SE 3. Skin Irritant 2. STOT RE 2. Eye Irritant 2.  
 Hazard Description..... H222 Extremely flammable aerosol . H229 Pressurized container: may burst if heated. H304 May be fatal if swallowed and enters airways. H315 Causes skin irritation. H319 Causes serious eye irritation. H336 May cause drowsiness or dizziness. H361 This product contains ingredients that are suspected of damaging fertility or the unborn child. H373 May cause damage to the liver and kidneys through prolonged or repeated contact.  
 Precautionary Statements..... P201 Obtain special instructions before use. P202 Do not handle this product until all safety instructions have been read and understood. 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. P251 Do not pierce or burn container, even after use. 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. P410 Protect from sunlight. P412 Do not expose to temperature exceeding 50C / 122F.

### Section 03: COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous Ingredients	CAS #	Wt. %
TOLUENE	108-88-3	30-60
ALICYCLIC HYDROCARBON RESIN	69430-35-9	10-30
PROPANE	74-98-6	10-30
TRIMETHYLMETHANE ISOBUTANE	75-28-5	7-13
CARBON BLACK	1333-86-4	0.1-1.0
METHANOL	67-56-1	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.  
 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.

**PRODUCT: FUS13B GRAVELGUARD COATING BLACK****Section 05: Fire fighting measures**

Extinguishing media.....	"Alcohol" foam, CO2, dry chemical.
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. 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%).
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**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**

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.
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 or 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. In the event of thermal decomposition from overheating the product (decomposition begins at 380 C), evacuate the work area, shut down equipment, and provide general ventilation to the room prior to reoccupying.

**Exposure limits**

Ingredients	TWA	ACGIH TLV STEL	PEL	OSHA PEL STEL	NIOSH REL
TOLUENE	20 ppm	Not established	200 ppm	500 ppm 10 minutes	100 ppm / STEL 150 ppm
ALICYCLIC HYDROCARBON RESIN	Not established	Not established	Not established	Not established	Not established
PROPANE	1,000 ppm	Not established	1,000 ppm	Not established	1,000 ppm
TRIMETHYLMETHANE ISOBUTANE	Not established	Not established	Not established	Not established	800 ppm (1900 mg/m3)
CARBON BLACK	3.5 mg/m3	No data	3.5 mg/m3	No data	3.5 mg/m3
METHANOL	200 ppm	250 ppm skin	200 ppm	Vacated	200 ppm / STEL 250 ppm

**PRODUCT: FUS13B GRAVELGUARD COATING BLACK****Section 09: Physical and chemical properties**

Physical state.....	Aerosol.
Colour.....	Black.
Odour.....	Solvent odour.
Odour threshold (ppm).....	100.
Vapour pressure (mm Hg).....	35 - 45 psig @ 68f (20c).
Vapour density (air=1).....	>1.
pH.....	Not applicable.
Specific gravity.....	0.80 (aerosol); 0.88 (liquid).
Freezing point (deg C).....	No data.
Solubility.....	Negligible.
Boiling point (deg C).....	110.
Evaporation rate.....	(butyl acetate = 1). < 0.1.
Flash point (deg C), method.....	Liquid: 4C aerosol: -105C flame projection: >45 cm < 100cm.
Auto ignition temperature (deg C).....	480.
Upper flammable limit (% vol).....	7.0.
Lower flammable limit (% vol).....	1.0.
Coefficient of water/oil distribution.....	None.
VOC.....	647.6 g/L - 5.4 Lb/usg.

**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**

Route of entry .....	Eye contact. Skin contact. Inhalation.
Effects of acute exposure.....	The aromatic hydrocarbon solvents in this product can be irritating to the eyes, nose and throat. In high concentration, they may cause central nervous system depression and narcosis characterized by nausea, lightheadedness and dizziness from overexposure by inhalation.
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 .
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.
Ingestion.....	Aspiration of material into lungs can cause chemical pneumonitis which can be fatal. May be harmful or fatal if swallowed.
Carcinogenicity of material.....	IARC has classified Carbon Black as "Group 2B", possibly carcinogenic to humans, based on laboratory animal inhalation studies.
Reproductive effects.....	Toluene is fetotoxic in rats and mice at maternally toxic levels. Methanol is teratogenic and embryotoxic in animals.

**Toxicological Data**

Ingredients	LC50-inh, rat	LD50-Oral, rat
TOLUENE	400 ppm/24 hr mouse	>2,600 mg/kg rat oral 12,124 mg/kg rabbit dermal
ALICYCLIC HYDROCARBON RESIN	No data	No data
PROPANE	>1,464 mg/L 15 minutes rat	No data
TRIMETHYLMETHANE ISOBUTANE	570000 ppm/15 minute rat	No data
CARBON BLACK	No data	>8,000 mg/kg oral (rat)
METHANOL	64,000 ppm 4 hours rat	5,628 mg/kg rat oral 15,800 mg/kg rabbit dermal

**PRODUCT: FUS13B GRAVELGUARD COATING BLACK****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.

**Section 14: Transport information**

TDG Classification (Road)..... Aerosols - Class 2.1 - UN1950 - This product meets limited quantity exemption when shipped in containers less than 1 Litre.  
IATA Classification (Air)..... Aerosols - Class 2.1 - UN1950.  
IMDG Classification (Marine)..... Aerosols - Class 2.1 - UN1950 - EmS: F-D, S-U.  
Marine Pollutant..... No.

**Section 15: Regulatory information**

WHMIS classification..... A. B5. D2A. D2B.  
CEPA status..... On Domestic Substances List (DSL).  
OSHA..... This product is considered hazardous under the OSHA Hazard Communication Standard.  
SARA Title III  
Section 302 - extremely hazardous ..... None.  
substances  
Section 311/312 - hazard categories..... Immediate health, delayed health, fire hazard.  
Section 313..... Toluene. Methanol.  
EPA hazardous air pollutants (HAPS) ..... Toluene. Methanol.  
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 Methanol known to the State of California to cause developmental reproductive toxicity.

**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.