

RUSFRE
604 McGEACHIE DRIVE
MILTON, ONTARIO, L9T 3Y5

PRODUCT: 1020F-1, 1020F-2.5, 1020F-16, 1020F-55 UNDERCOATING**Section 01: Chemical product and company identification**

Product name..... 1020F-1, 1020F-2.5, 1020F-16, 1020F-55 UNDERCOATING
 Manufactured for..... RUSFRE
 604 McGeachie Drive
 Milton
 Ontario
 L9T 3Y5
 24 hour emergency number..... IN CANADA CALL CANUTEC (613) 996-6666-IN THE UNITED STATES CALL
 CHEMTREC (800) 424-9300.
 Material use..... Rust proofing. This product should not be used for any other purpose other than the ones
 described in this section.
 Chemical family..... Mixture.
 Preparation date..... April 21, 2015.
 Hazard rate
 NFPA rating..... Health: 2 Fire: 2 Reactivity: 0.
 HMIS..... H: 2* F: 2 R: 0.

Section 02: Hazards identification

Signal Word..... DANGER.
 Hazard Classification..... Skin Irritant 2. Flammable Liquid 3. Eye Irritant 2. Mutagen 1B. Reproductive 2. STOT SE
 1. Carcinogen 1B. STOT RE 1.
 Hazard Description..... H226 Flammable liquid and vapour. H315 Causes skin irritation. H319 Causes serious eye
 irritation. H340 This product contains ingredients that may cause genetic defects. H350
 This product contains ingredients that may cause cancer. H361 This product contains
 ingredients that are suspected of damaging fertility or the unborn child. H370 Causes
 damage to the liver and kidneys. H372 Causes damage to the liver and kidneys through
 prolonged or repeated exposure.
 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. P233 Keep container tightly closed. P240
 Ground and bond container and receiving equipment. P241 Use explosion proof
 equipment. P242 Use only non-sparking tools. P243 Take precautionary measures against
 static discharge. P260 Do not breathe mist, vapours, or spray. P264 Wash hands
 thoroughly after handling. P270 Do not eat drink or smoke while using this product. P280
 Wear protective gloves and eye protection.
 Response P303 + P361 + P353 If on skin or in hair: take off all contaminated clothing immediately.
 Rinse thoroughly with water and use safety shower. P321 - Consult with a doctor or poison
 control centre if skin is itchy or a skin rash develops or you feel unwell. P305 + P351 +
 P338 If in eyes rinse cautiously with water for several minutes. Remove contact lenses, if
 present and easy to do. Continue rinsing until medical help arrives. P337 + P313 - If eye
 irritation persists get medical attention. P314 - Get medical advice/attention if you feel
 unwell. P362 + P364 - Take off contaminated clothing and wash before reuse. P370 +
 P378 In case of fire - use dry chemical powder, CO2 or 6% foam.
 Storage..... P405 Store locked up. P403 + P235 Store in well ventilated area. Keep cool.
 Disposal..... P501 Dispose all unused, waste or empty containers in accordance with local regulations.

Section 03: COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous Ingredients	CAS #	Wt. %
ASPHALT	8052-42-4	75-80
MINERAL SPIRITS	8052-41-3	10-15
METHANOL	67-56-1	0.1-1.0
BENZENE	71-43-2	0.1-1.0

PRODUCT: 1020F-1, 1020F-2.5, 1020F-16, 1020F-55 UNDERCOATING**Section 03: COMPOSITION/INFORMATION ON INGREDIENTS**

SBS RUBBER

Not toxic

2

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.....	Do not induce vomiting. 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. The main hazard from ingestion is aspiration of the liquid into the lungs. 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, CO ₂ , dry chemical. In cases of larger fires, water spray should be used.
Hazardous combustion products.....	Oxides of carbon (CO, CO ₂).
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. Cool fire-exposed containers with cold water spray. Heat will cause pressure buildup and may cause explosive rupture. Keep run-off water from entering sewers and other waterways. Dike for water control.

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

Ingredients	ACGIH TLV		OSHA PEL		NIOSH
	TWA	STEL	PEL	STEL	
ASPHALT	0.5 mg/cu m (Inhalable fraction) 8hr	Not established	Not established	Not established	5 mg/m ³ 15 minutes
MINERAL SPIRITS	525 mg/m ³	No data	No data	No data	No data
METHANOL	200 ppm	250 ppm skin	200 ppm	Not established	200 ppm / STEL 250 ppm
BENZENE	0.5 ppm skin	2.5 ppm skin	1 ppm	5 ppm	0.1 ppm
SBS RUBBER	Not established	Not established	Not established	Not established	Not established
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: 1020F-1, 1020F-2.5, 1020F-16, 1020F-55 UNDERCOATING**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..... Local exhaust at points of emission.

Section 09: Physical and chemical properties

Physical state..... Liquid.
 Colour..... Black.
 Odour..... Aromatic petroleum odour.
 Odour threshold (ppm)..... 0.2 ppm.
 Vapour pressure (mm Hg)..... No data.
 Vapour density (air=1)..... 4.7.
 pH..... No data.
 Density..... 8.2 lb/usg - 0.98 g/mL.
 Freezing point (deg C)..... No data.
 Solubility..... No data.
 Boiling point (deg C)..... 154-196°C .
 Evaporation rate..... 0.12 (n-Butyl Acetate = 1).
 Flash point (deg C), method..... 40°C Closed cup.
 Auto ignition temperature (deg C)..... 210°C .
 Upper flammable limit (% vol)..... 5.0.
 Lower flammable limit (% vol)..... 0.8.
 Coefficient of water/oil distribution..... No data.
 VOC..... 2.87 lb/usg - 343.9 g/L.
 Decomposition temperature..... No data.
 Viscosity..... 4000-5000 cps.

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 carbon (CO,CO2).
 Hazardous polymerization..... Hazardous polymerization will not occur.

Section 11: Toxicological information

Ingredients	LC50	LD50
ASPHALT	>94.4 mg/cu m 4.5hr rat	>5000 mg/kg rat oral >2000 mg/kg rabbit dermal
MINERAL SPIRITS	No data	No data
METHANOL	128.2 mg/L, 4h rat	5,628 mg/kg rat oral 15,800 mg/kg rabbit dermal
BENZENE	10,000 ppm 7 hours rat	3306 mg/kg rat oral >8260 mg/kg dermal rabbit
SBS RUBBER	No data	No data
Route of entry	Eye contact. Skin contact. Inhalation.	
Effects of acute exposure.....	Hazardous in contact with skin, by ingestion, and by inhalation. Excessive vapours may cause nasal and respiratory tract irritation. Irritating to eyes, skin and respiratory system. May cause central nervous system effects such as headache, nausea, vomiting and weakness.	
Effects of chronic exposure.....	Breathing high concentrations of vapour may cause anesthetic effects and serious health effects. Chronic exposure to organic solvents may cause permanent brain and nervous system damage. Possible damage to liver and kidneys. Intentional misuse by deliberately concentrating and inhaling this product may be harmful or fatal .	
Carcinogenicity of material.....	Benzene is known to the state of California to cause cancer and developmental effects.	
Reproductive effects.....	Methanol is listed on California's Proposition 65 as causing developmental toxicity.	

Section 12: Ecological information

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

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Waste disposal..... Dispose of as an industrial waste in a manner acceptable to good waste management practice and in accordance with applicable local, provincial/State or federal regulations. Dispose of waste in accordance with all applicable Federal, Provincial/State and local regulations.

Section 14: Transport information

TDG Classification..... UN1999 - Tars, Liquid - Class 3 - Packing Group III - This product meets limited quantity exemption when shipped in containers less than 5 Litres.
 DOT Classification (Road)..... UN1999 - Tars, Liquid - Class 3 - Packing Group III - Ltd Qty (5 Liters/1.3 Gallons).
 IATA Classification (Air)..... UN1999 - Tars, liquid - Class 3 - Packing Group III .
 IMDG Classification (Marine)..... UN1999 - Tars, Liquid - Class 3 - Packing Group III - 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

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..... Methanol. Benzene.
 EPA hazardous air pollutants (HAPS) Methanol.
 40CFR63
 TSCA inventory status..... All components are listed.
 California Proposition 65..... This product contains Methanol known to the State of California to cause developmental reproductive toxicity. Benzene is known by 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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