

**RUSFRE®**RUSFRE  
604 McGEACHIE DRIVE  
MILTON, ONTARIO, L9T 3Y5**PRODUCT: RF7003 CAVITY WAX****SECTION 01: IDENTIFICATION**

Initial supplier identifier..... RUSFRE  
604 McGeachie Drive  
Milton  
Ontario  
L9T 3Y5

Product identifier..... RF7003 CAVITY WAX

Recommended use and restrictions on .. Rust proofing.  
use

Chemical family..... Mixture.

NFPA rating..... Health: 2 Fire: 4 Reactivity: 0.

HMIS..... H: 2 F: 4 R: 1.

24 hour emergency number..... For transportation emergencies (in Canada) call CANUTEC 1-888-226-8832 (CAN-UTEC);  
IN THE UNITED STATES CALL CHEMTREC 1-800-424-9300.  
\*\* For medical emergencies contact your local poison control centre \*\*.

**SECTION 02: HAZARD IDENTIFICATION**

Signal Word..... DANGER.

Hazard Classification..... Flammable Aerosols — Category 2. Gas under pressure: Compressed Gas. Aspiration Toxicity 1. Skin Irritation — Category 2. Eye Irritation — Category 2B. Carcinogenicity — Category 2. Specific Target Organ Toxicity — Single Exposure — Category 3. Specific Target Organ Toxicity — Repeated Exposure — Category 1. (Skin, Eyes, Kidney). (respiratory system). (Central Vascular System). (central nervous system).

Hazard Description..... H223 Flammable aerosol . H229 Pressurized container: may burst if heated. H280 Contains gas under pressure; may explode if heated. H304 May be fatal if swallowed and enters airways. H315 Causes skin irritation. H320 Causes eye irritation. H335 May cause respiratory irritation. H336 May cause drowsiness or dizziness. H351 This product contains ingredients that are suspected of causing cancer. H372 Causes damage to organs through prolonged or repeated exposure.

Prevention..... 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. P260 Do not breathe mist, vapours, or spray. P264 Wash thoroughly after handling. P270 Do not eat drink or smoke while using this product. P271 Use only outdoors or in a well ventilated area. P280 Wear protective gloves and eye protection.

Response ..... P301 + P310 If swallowed IMMEDIATELY CALL A POISON CONTROL CENTRE and follow instructions provided by the centre. P331 Do NOT induce vomiting. P304 + P340 - If inhaled remove person to fresh air and keep comfortable for breathing. P312 Call a POISON CENTER/doctor if you feel unwell. P337 + P313 - If eye irritation persists get medical attention. 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. P302 + P352 - If on skin: wash with plenty of water. P362 + P364 - Take off contaminated clothing and wash before reuse. P332 + P313 - If skin irritation occurs get medical attention or advice. P308 + P313 If exposed or concerned, get medical advice/attention.

Storage..... P403 + P233 Store in a well ventilated area. Keep container tightly closed. P403 Store in a well ventilated area. P405 Store locked up. P410 Protect from sunlight. P412 Do not expose to temperature exceeding 50°C / 122°F.

Disposal..... P501 Dispose all unused, waste or empty containers in accordance with local regulations.

Note ..... 0. % of the mixture consists of an ingredient or ingredients of unknown acute toxicity. This product mixture has been classified based on its ingredients.

**PRODUCT: RF7003 CAVITY WAX****SECTION 03: COMPOSITION / INFORMATION ON INGREDIENTS**

CHEMICAL NAME AND SYNONYMS	CAS #	WT. %
Naphtha (petroleum), heavy alkylate	64741-65-7	10-20
Mineral Spirits (Stoddard solvent)	8052-41-3	10-20
Distillates (petroleum), hydrotreated heavy naphthenic	64742-52-5	10-20
Naphthalene, bis(1-methylethyl)-	38640-62-9	1-10
Calcium Carbonate	1317-65-3	1-10
Ethane, 1,1,1,2-tetrafluoro-	811-97-2	1-10
Octadecanoic acid, 12-hydroxy-, monolithium salt	7620-77-1	1-10
Carbon dioxide	124-38-9	1-10
Titanium Dioxide	13463-67-7	0.1-1
Crystalline Silica	14808-60-7	<0.1

**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.
Most important symptoms and effects, ..... whether acute or delayed	Harmful if swallowed, in contact with skin or if inhaled. Causes skin and eye irritation. May cause respiratory irritation. Vapors have a narcotic effect and may cause headache, fatigue, dizziness and nausea.
Additional information.....	Treat victims symptomatically. The main hazard from ingestion is aspiration of the liquid into the lungs producing chemical pneumonitis.

**SECTION 05: FIRE-FIGHTING MEASURES**

Suitable and unsuitable extinguishing ..... media	"Alcohol" foam, CO <sub>2</sub> , dry chemical. In cases of larger fires, water spray should be used. Do not use water in a jet.
Specific hazards arising from the ..... hazardous product, such as the nature of any hazardous combustion products	Oxides of carbon (CO, CO <sub>2</sub> ).
Special protective equipment and ..... precautions for fire-fighters	Extremely flammable aerosol. 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. Fire in vicinity poses risk of pressure build-up rupture. In fire situations involving the surrounding area, cool the product down with plenty of water. In case of exothermic decomposition, as indicated by generation of large volumes of smoke, spray immediately and thoroughly with water or pour water on. Keep run-off water from entering sewers and other waterways. Dike for water control.

**SECTION 06: ACCIDENTAL RELEASE MEASURES**

Leak/spill.....	Keep away from heat, sparks and flames. Ventilate. Eliminate all sources of ignition. Evacuate all non-essential personnel. Avoid all personal contact. Contain the spill. Prevent runoff into drains, sewers, and other waterways. Absorb with earth, sand, or another dry inert material. Shovel or pump to drum or salvage tank. 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.
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**SECTION 07: HANDLING AND STORAGE**

Precautions for safe handling.....	Pressurized container: Do not pierce or burn, even after use. Do not use if spray button is missing or defective. Do not spray on a naked flame or any other incandescent material.
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**PRODUCT: RF7003 CAVITY WAX****SECTION 07: HANDLING AND STORAGE**

Precautions for safe handling..... Do not smoke while using or until sprayed surface is thoroughly dry. Do not pressurize, cut, weld, braze, solder, drill, grind, or expose empty containers to heat, sparks or open flames. Always adopt precautionary measures against build-up of static which may arise from appliances, handling and the containers in which product is packed. Ground handling equipment. Avoid all skin contact and ventilate adequately, otherwise wear an appropriate breathing apparatus. Avoid breathing vapours or mist. Handle and open container with care. Employees should wash hands and face before eating or drinking.

Conditions for safe storage, including any incompatibilities Keep away from heat, sparks, and open flames. Keep container closed when not in use. Store away from sunlight. Keep away from acids and alkalis. Store away from oxidizing and reducing materials. Do not store above 50 deg C.

**SECTION 08: EXPOSURE CONTROLS / PERSONAL PROTECTION**

INGREDIENTS	TWA	ACGIH TLV STEL	OSHA PEL STEL	REL	NIOSH
Naphtha (petroleum), heavy alkylate	525 mg/m3	Not established	Not established	Not established	Not established
Mineral Spirits (Stoddard solvent)	100 ppm CA ON: 100 ppm (TWA)	Not established	100ppm, 525 mg/m <sup>3</sup>	Not established	Not established
Distillates (petroleum), hydrotreated heavy naphthenic	No data	No data	No data	No data	No data
Naphthalene, bis(1-methylethyl)-	No data	No data	No data	No data	No data
Calcium Carbonate	Not established	Not established	5 mg/m3	Not established	5 mg/m3
Ethane, 1,1,1,2-tetrafluoro-	1000 ppm 8 hours.	No data	No data	No data	No data
Octadecanoic acid, 12-hydroxy-, monolithium salt	No data	No data	No data	No data	No data
Carbon dioxide	5000 ppm STEL 30000ppm (3%)	30000 ppm	5000 ppm	No data	5000 ppm 10 hours STEL 30000 ppm 15 minutes
Titanium Dioxide	10 mg/m3 CA ON: 10 mg/m3 (TWA)	Not established	15 mg/m3	Not established	Not established
Crystalline Silica	0.025 mg/m3 CA ON: 0.025 mg/m3 Respirable	Not established	0.1 mg/m3 TWA	Not established	0.05 mg/m3

**Personal Protective Equipment**

Respiratory/type..... Local exhaust ventilation is recommended. Wear an appropriate, properly fitted respirator when contaminant levels exceed the recommended exposure limits.

Eye/type..... Safety glasses with side-shields.

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.

Appropriate engineering controls..... 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.

**PRODUCT: RF7003 CAVITY WAX****SECTION 09: PHYSICAL AND CHEMICAL PROPERTIES**

Appearance/Physical state.....	Aerosol.
Colour.....	Light brown. Opaque.
Odour.....	Solvent odour.
Odour threshold (ppm).....	Not available.
Vapour pressure (mm Hg).....	No data.
Vapour density (air=1).....	No data.
pH.....	Not applicable.
Relative Density (Specific Gravity).....	1.049.
Melting / Freezing point (deg C).....	Not available.
Solubility.....	Practically insoluble in water.
Initial boiling point / boiling range (deg C).....	No data.
Evaporation rate.....	No data.
Flash point (deg C), method.....	42°C (108 °F). (propellant).
Auto ignition temperature (deg C).....	No data.
Upper flammable limit (% vol).....	No data.
Lower flammable limit (% vol).....	No data.
Partition coefficient — n-octanol/water.....	Not available.
VOC (less water).....	3.21 lb/USG.
Viscosity.....	Not available.

**SECTION 10: STABILITY AND REACTIVITY**

Chemical stability.....	Stable at normal temperatures and pressures.
Reactivity .....	Avoid heat, sparks and flames. Explosive reactions can occur in the presence of strong oxidizing agents.
Possibility of hazardous reactions.....	Hazardous polymerization will not occur.
Conditions to avoid, including static discharge, shock or vibration .....	Keep away from heat. Incompatible with strong oxidizers. Strong acids and bases.
Hazardous decomposition products.....	By fire:. Oxides of carbon (CO,CO2). Dense black smoke. Other potentially toxic fumes.

**SECTION 11: TOXICOLOGICAL INFORMATION**

INGREDIENTS	LC50	LD50
Naphtha (petroleum), heavy alkylate	>4000 mg/kg dermal rat	>8000 mg/kg oral rat
Mineral Spirits (Stoddard solvent)	5500 ppm (4 hrs)	5000 mg/kg (oral, rat)
Distillates (petroleum), hydrotreated heavy naphthenic	5 mg/L 4 hours rat	>5000 mg/kg oral rat >5000 mg/kg dermal rabbit
Naphthalene, bis(1-methylethyl)-	5.64 mg/L rat 4 hrs	>3,900 mg/kg rat oral; >4,500 mg/kg rat dermal
Calcium Carbonate	Not available	6450 mg/kg rat oral
Ethane, 1,1,1,2-tetrafluoro-	1500 g/m3 (Rat) 4 h	Not available
Octadecanoic acid, 12-hydroxy-, monolithium salt	Not available	Not available
Carbon dioxide	No data	No data
Titanium Dioxide	>6.8 mg/L (4 hr)	> 10,000 mg/kg (rat, oral) > 10,000 mg/kg (rabbit, dermal)
Crystalline Silica	Not available	>22,500 mg/kg oral rat
Acute Toxicity Estimate (ATE).....	ATEmix (oral): 40628 mg/kg . ATEmix (dermal) 46926 mg/kg. . ATEmix (inhalation-vapor) 359 mg/l .	
Route of exposure.....	Eye contact. Skin contact. Inhalation.	
Skin contact.....	Can cause moderate irritation, defatting and dermatitis.	
Skin absorption.....	May be harmful if absorbed through the skin.	
Eye contact.....	Causes eye irritation.	
Ingestion.....	Slightly toxic. May be harmful if swallowed. Aspiration of material into lungs can cause chemical pneumonitis which can be fatal.	
Inhalation (acute).....	Excessive inhalation of vapours can cause respiratory irritation, dizziness, headache, vomiting and unconsciousness.	
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.	

**PRODUCT: RF7003 CAVITY WAX****SECTION 11: TOXICOLOGICAL INFORMATION**

Effects of chronic exposure.....	Breathing high concentrations of vapour may cause anesthetic effects and serious health effects. Prolonged or repeated skin contact may cause drying or cracking of skin. Intentional misuse by deliberately concentrating and inhaling this product may be harmful or fatal.
Carcinogenicity of material.....	IARC has classified Titanium Dioxide as a group 2B carcinogen. Quartz (Crystalline Silica) is listed by IARC in Group 1 as a carcinogen.
Reproductive effects.....	No known reproductive effects.
Specific Target Organ Toxicity .....	May cause respiratory irritation. May cause drowsiness or dizziness. Causes damage to organs.

**SECTION 12: ECOLOGICAL INFORMATION**

Environmental.....	Do not allow to enter waters, waste water or soil.
Persistence and degradability.....	Not available.

**SECTION 13: DISPOSAL CONSIDERATIONS**

Information on safe handling for disposal and methods of disposal, including any contaminated packaging	Contents under pressure. Do not puncture, incinerate or expose to heat, even when empty. Dispose of waste in accordance with all applicable Federal, Provincial/State and local regulations.
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**SECTION 14: TRANSPORT INFORMATION**

TDG Classification.....	UN1950 - AEROSOLS, flammable - Class 2.1 - This product meets limited quantity exemption when shipped in containers less than 1 Litre.
DOT Classification (Road).....	UN1950 - AEROSOLS, flammable - Class 2.1 - Ltd Qty (1 Liter/0.26 Gallons).
IATA Classification (Air).....	UN1950 - AEROSOLS, flammable - Class 2.1 - Limited Quantity. Do not ship by air without checking appropriate IATA regulations.
IMDG Classification (Marine).....	UN1950 - AEROSOLS - Class 2.1 - EmS: F-D, S-U - Limited Quantity. Check IMDG regulations for limited quantity exemptions.
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).
TSCA inventory status.....	All components are listed.
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.
Section 313.....	None.
EPA hazardous air pollutants (HAPS) 40CFR63	None.
California Proposition 65.....	*** ! WARNING: This product can expose you to chemicals including [see below], which are known to the State of California to cause cancer . (Silica, crystalline (airborne particles of respirable size), (Titanium dioxide - airborne, unbound particles of respirable size). For more information, go to <a href="http://www.P65Warnings.ca.gov">www.P65Warnings.ca.gov</a> .

**SECTION 16: OTHER INFORMATION**

Prepared by: .....	REGULATORY AFFAIRS. Trivalent Data Systems Ltd. <a href="http://www.trivalent.com">www.trivalent.com</a> .
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.
Review Date:.....	2021-11-15.
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