

RUSFRE®RUSFRE
604 McGEACHIE DRIVE
MILTON, ONTARIO, L9T 3Y5**PRODUCT: RF 7005 FLEXIBLE WAND CLEANER****SECTION 01: IDENTIFICATION**

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

Product identifier..... RF 7005 FLEXIBLE WAND CLEANER

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 1. Gas under pressure: Compressed Gas. Aspiration Toxicity 1. Specific Target Organ Toxicity — Single Exposure — Category 3.

Hazard Description..... H222 Extremely 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. H335 May cause respiratory irritation. H336 May cause drowsiness or dizziness.

Prevention..... 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. P271 Use only outdoors or in a well ventilated area.

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.

Storage..... P233 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 This product mixture has been classified based on its ingredients. % of the mixture consists of an ingredient or ingredients of unknown acute toxicity. 0.

SECTION 03: COMPOSITION / INFORMATION ON INGREDIENTS

CHEMICAL NAME AND SYNONYMS	CAS #	WT. %
Distillates (petroleum), hydrotreated light	64742-47-8	70-80
Petroleum gases, liquefied, sweetened	68476-86-8	20-30

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.

PRODUCT: RF 7005 FLEXIBLE WAND CLEANER**SECTION 04: FIRST-AID MEASURES**

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. May cause eye irritation. May cause mild skin irritation. May cause respiratory irritation.
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 extinguishing media.....	"Alcohol" foam, CO ₂ , 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 ₂). Hydrocarbon fumes and smoke.
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. 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. 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.

SECTION 06: ACCIDENTAL RELEASE MEASURES

Leak/spill.....	Ventilate. Eliminate all sources of ignition. Always adopt precautionary measures against build-up of static which may arise from appliances, handling and the containers in which product is packed. Contain the spill. Avoid all personal contact. Evacuate all non-essential personnel. Prevent runoff into drains, sewers, and other waterways. Absorb with an inert dry material and place in an appropriate waste container. 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. 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. Store away from oxidizing and reducing materials. Keep away from acids and alkalis. Store away from sunlight. Keep container closed when not in use. Do not store above 50 deg C.

SECTION 08: EXPOSURE CONTROLS / PERSONAL PROTECTION

INGREDIENTS	TWA	ACGIH TLV STEL	OSHA PEL STEL	REL	NIOSH
Distillates (petroleum), hydrotreated light	1200 mg/m ³	Not established	Not established	Not established	Not established
Petroleum gases, liquefied, sweetened	Not established	Not established	Not established	Not established	Not established
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.....	Liquid chemical goggles.				
Gloves/ type.....	Chemical resistant gloves.				
Clothing/type.....	Wear adequate protective clothes.				
Footwear/type.....	Safety boots per local regulations.				

PRODUCT: RF 7005 FLEXIBLE WAND CLEANER**SECTION 08: EXPOSURE CONTROLS / PERSONAL PROTECTION**

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. Explosion-proof exhaust ventilation.

SECTION 09: PHYSICAL AND CHEMICAL PROPERTIES

Appearance/Physical state..... Aerosol.
 Colour..... Clear.
 Odour..... Solvent odour.
 Odour threshold (ppm)..... Not available.
 pH..... Not applicable.
 Melting / Freezing point (deg C)..... Not available.
 Initial boiling point / boiling range (deg C). Not available.
 Flash point (deg C), method..... -104°C. (propellant).
 Evaporation rate..... No data.
 Flammability (solids and gases)..... Flammable aerosol.
 Upper flammable limit (% vol)..... No data.
 Lower flammable limit (% vol)..... No data.
 Vapour pressure (mm Hg)..... No data.
 Vapour density (air=1)..... No data.
 Relative Density (Specific Gravity)..... 0.718.
 Solubility..... Practically insoluble in water.
 Partition coefficient — n-octanol/water..... Not available.
 Auto ignition temperature (deg C)..... Not available.
 Decomposition temperature..... Not available.
 Viscosity..... Not available.
 % Volatile by volume..... 100.
 VOC (less water)..... 5.98 lbs/USG.

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 Keep away from heat. Incompatible with strong oxidizers. Strong acids and bases.
 discharge, shock or vibration
 Hazardous decomposition products..... By fire:. Oxides of carbon (CO,CO2). Hydrocarbons. Dense black smoke.

SECTION 11: TOXICOLOGICAL INFORMATION

INGREDIENTS	LC50	LD50
Distillates (petroleum), hydrotreated light	>3,000 mg/kg (dermal, rabbit)	>5,000 mg/kg (oral, rat)
Petroleum gases, liquefied, sweetened	31mg/L (Rat) 4 hr	No data
Route of exposure.....	Eye contact. Skin contact. Inhalation.	
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.	
Skin contact.....	Can cause moderate irritation, defatting and dermatitis.	
Skin absorption.....	May be harmful if absorbed through the skin.	
Eye contact.....	Can cause redness, irritation, tissue destruction.	
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.	
Ingestion.....	Slightly toxic. May be harmful if swallowed. Aspiration of material into lungs can cause chemical pneumonitis which can be fatal.	
Carcinogenicity of material.....	None known.	
Reproductive effects.....	None.	
Specific Target Organ Toxicity	May cause drowsiness or dizziness. May cause respiratory irritation.	

PRODUCT: RF 7005 FLEXIBLE WAND CLEANER**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 . This material and its container must be disposed of as hazardous waste. Avoid release to the environment. Dispose of waste in accordance with all applicable Federal, Provincial/State and local regulations. Contents under pressure. Do not puncture, incinerate or expose to heat, even when empty.

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..... No.
 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..... This product does not contain any chemical(s) known to the State of California to cause cancer or reproductive toxicity.

SECTION 16: OTHER INFORMATION

Prepared by: REGULATORY AFFAIRS. Trivalent Data Systems Ltd. www.trivalent.com.
 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:..... 2022-11-30.
 Date of the latest revision of the safety data sheet .. 2018-04-06