



Pro Form Products Ltd.  
604 McGeachie Drive  
Milton, Ontario, L9T 3Y5  
Canada  
905-878-4990

**PRODUCT: RF 1008HD-16 HEAVY DUTY UNDERCOATING 16GAL**

### SECTION 01: IDENTIFICATION

Product identifier..... RF 1008HD-16 HEAVY DUTY UNDERCOATING 16GAL  
Initial supplier identifier..... RUSFRE  
604 McGeachie Drive  
Milton  
Ontario  
L9T 3Y5  
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 \*\*.  
Recommended use and restrictions on .. Rust proofing.  
use  
Chemical family..... Mixture.  
Hazard rating  
NFPA rating..... Health: 1 Fire: 2 Reactivity: 0 .  
HMIS..... H: 1 F: 2 R: 0 .

### SECTION 02: HAZARD IDENTIFICATION



Signal Word..... WARNING.  
Hazard Classification..... Flammable Liquid 3. Eye Irritant 2.  
Hazard Description..... H226 Flammable liquid and vapour. H319 Causes serious eye irritation.  
Prevention..... P210 Keep away from heat, sparks, open flames and hot surfaces. No smoking. P233  
Keep container tightly closed. P235 Keep cool. 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. P271 Use only  
outdoors or in a well ventilated area. P280 Wear protective gloves and eye protection.

### SECTION 03: COMPOSITION / INFORMATION ON INGREDIENTS

CHEMICAL NAME AND SYNONYMS	CAS #	WT. %
Asphalt	8052-42-4	40-70
Mineral Spirits (Stoddard solvent)	8052-41-3	10-30
Methanol	67-56-1	0.1-1

### 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.  
Additional information..... Treat victims symptomatically. The main hazard from ingestion is aspiration of the liquid  
into the lungs producing chemical pneumonitis. In the event of an incident involving this  
product ensure that medical authorities are provided a copy of this safety data sheet.

**PRODUCT: RF 1008HD-16 HEAVY DUTY UNDERCOATING 16GAL****SECTION 05: FIRE-FIGHTING MEASURES**

Suitable extinguishing media..... "Alcohol" foam, CO<sub>2</sub>, dry chemical. In cases of larger fires, water spray should be used.  
 Specific hazards arising from the ..... Oxides of carbon (CO, CO<sub>2</sub>).  
 hazardous product, such as the nature of  
 any hazardous combustion products  
 Special protective equipment and ..... Firefighter should be equipped with self-contained breathing apparatus and full protective  
 precautions for fire-fighters ..... 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%).

**SECTION 07: HANDLING AND STORAGE**

Precautions for safe handling..... 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.  
 Conditions for safe storage, including any ..... Keep away from heat, sparks, and open flames. Keep container closed when not in use.  
 incompatibilities ..... 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	REL	STEL	
Asphalt	0.5 mg/cu m (Inhalable fraction) 8hr	Not established	Not established	Not established	5 mg/m <sup>3</sup> 15 minutes
Mineral Spirits (Stoddard solvent)	100 ppm	Not established	100ppm, 525 mg/m <sup>3</sup>	Not established	Not established
Methanol	CA ON: 100 ppm (TWA)	250 ppm skin	200 ppm	Not established	200 ppm / STEL 250 ppm
	200 ppm				
CA ON: 200 ppm (TWA), 250 ppm (STEL)					
Personal 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.				
Appropriate engineering controls.....	Local exhaust at points of emission.				
Exposure limits					

**SECTION 09: PHYSICAL AND CHEMICAL PROPERTIES**

Appearance/Physical state..... Liquid.  
 Colour..... Black.  
 Odour..... Petroleum solvent odour.  
 Odour threshold (ppm)..... Not available.  
 Vapour pressure (mm Hg)..... Not available.  
 Vapour density (air=1)..... 4.7.  
 pH..... Not applicable.  
 Relative Density (Specific Gravity)..... 0.984 - 8.2 lb/USG.  
 Melting / Freezing point (deg C)..... Not available.

**PRODUCT: RF 1008HD-16 HEAVY DUTY UNDERCOATING 16GAL****SECTION 09: PHYSICAL AND CHEMICAL PROPERTIES**

Solubility.....	Insoluble.
Initial boiling point / boiling range (deg C).	154C - 205C.
Evaporation rate.....	0.12 (n-Butyl Acetate = 1).
Flash point (deg C), method.....	40°C Closed cup.
Auto ignition temperature (deg C).....	Not available.
Upper flammable limit (% vol).....	6.0.
Lower flammable limit (% vol).....	0.9.
Partition coefficient — n-octanol/water.....	Not available.
% Volatile by volume.....	35.
VOC (less water).....	344 g/L - 2.87 lb/USG.
Viscosity.....	6000 - 7000 cPs.

**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.
Conditions to avoid, including static discharge, shock or vibration .....	Keep away from heat. Incompatible with strong oxidizers.
Hazardous decomposition products.....	By fire: Dense black smoke. Oxides of carbon (CO,CO2).
Possibility of hazardous reactions.....	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 (Stoddard solvent)	5500 ppm (4 hrs)	5000 mg/kg (oral, rat)
Methanol	128.2 mg/L, 4h rat	420 mg/kg (oral); 5,628 mg/kg (rat oral); 15,800 mg/kg (rabbit dermal)
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.....	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.	
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. Prolonged or repeated exposure may lead to allergic skin reactions. Prolonged or repeated exposure may result in skin sensitization. Intentional misuse by deliberately concentrating and inhaling this product may be harmful or fatal.	
Carcinogenicity of material.....	None known.	
Reproductive effects.....	No data. Methanol is listed on California's Proposition 65 as causing developmental toxicity.	
Toxicological Data		

**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.
---	---

**PRODUCT: RF 1008HD-16 HEAVY DUTY UNDERCOATING 16GAL****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.  
 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..... No.

**SECTION 15: REGULATORY INFORMATION**

WHMIS 1988 classification..... B3. 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..... Methanol.  
 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.

**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.  
 Review Date:..... 2022-11-30.  
 Date of the latest revision of the safety .. 2016-08-25  
 data sheet