



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

PRODUCT: 21032 WAX BASED PERMANENT RUSTPROOFING AMBER

SECTION 01: IDENTIFICATION

Initial supplier identifier..... Pro Form Products Ltd.
604 McGeachie Drive
Milton, Ontario L9T3Y5
Tel (905) 878-4990 Fax (905) 878-1189

Product identifier..... 21032 WAX BASED PERMANENT RUSTPROOFING AMBER

Recommended use and restrictions on .. Rust proofing. This product should not be used for any other purpose other than the ones
use described in this section.

Chemical family..... Mixture.

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

HMS..... H: 2 F: 2 R: 0.

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 Liquid 3. Eye Irritant 2. Specific Target Organ Toxicity — Repeated Exposure
— Category 1.

Hazard Description..... H226 Flammable liquid and vapour. H320 Causes eye irritation. H372 Causes damage to
organs through prolonged or repeated exposure.

Prevention..... 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. P280 Wear protective gloves and eye
protection. P264 Wash thoroughly after handling. P260 Do not breathe mist, vapours, or
spray. P270 Do not eat drink or smoke while using this product.

Response P303 + P361 + P353 If on skin or in hair: take off all contaminated clothing immediately.
Rinse thoroughly with water and use safety shower . P370 + P378 In case of fire - use dry
chemical powder, CO2 or foam to extinguish. 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.

Storage..... 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

CHEMICAL NAME AND SYNONYMS	CAS #	WT. %
Solvent naphtha medium aliphatic	64742-88-7	35-60
N-Nonane	111-84-2	0.5-3.5
1,2,4-Trimethylbenzene	95-63-6	0.5-1.5
Propylene carbonate	108-32-7	0.5-1.5

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: 21032 WAX BASED PERMANENT RUSTPROOFING AMBER**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.
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.

SECTION 05: FIRE-FIGHTING MEASURES

Suitable and unsuitable 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).
Special protective equipment and precautions for fire-fighters	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. 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. Evacuate all non-essential personnel. Contain the spill. Avoid all personal contact. 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%). 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.....	Keep away from heat, sparks, and open flame. 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 oxidizing and reducing materials. Store away from sunlight. (min/max): 10/30 C.

SECTION 08: EXPOSURE CONTROLS / PERSONAL PROTECTION

INGREDIENTS	TWA	ACGIH TLV STEL	PEL	OSHA PEL STEL	REL NIOSH
Solvent naphtha medium aliphatic	Not established	Not established	Not established	Not established	Not established
N-Nonane	200 ppm	--	--	--	1050 mg/m ³
1,2,4-Trimethylbenzene	25 ppm	Not established	Not established	Not established	25 ppm
Propylene carbonate	Not established		Not established		Not established
Personal Protective Equipment					
Eye/type.....	Liquid chemical goggles.				
Gloves/ type.....	Chemical resistant gloves. Neoprene. Nitrile rubber.				
Clothing/type.....	Wear adequate protective clothes.				
Footwear/type.....	Safety boots per local regulations.				
Respiratory/type.....	Local exhaust ventilation is recommended. Wear an appropriate, properly fitted respirator when contaminant levels exceed the recommended exposure limits.				
Other/type.....	Emergency showers and eye wash stations should be available.				
Appropriate engineering controls.....	Local exhaust at points of emission. Explosion-proof exhaust ventilation.				

PRODUCT: 21032 WAX BASED PERMANENT RUSTPROOFING AMBER**SECTION 09: PHYSICAL AND CHEMICAL PROPERTIES**

Appearance/Physical state.....	Liquid.
Colour.....	Amber.
Odour.....	Light solvent. Sweet odour.
Odour threshold (ppm).....	Not available.
Vapour pressure (mm Hg).....	Not available.
Vapour density (air=1).....	>1.
pH.....	Not applicable.
Relative Density (Specific Gravity).....	0.8 - 0.9.
Melting / Freezing point (deg C).....	No data.
Solubility.....	Insoluble.
Initial boiling point / boiling range (deg C).....	No data.
Evaporation rate.....	<1.
Flash point (deg C), method.....	60°C (140°F).
Auto ignition temperature (deg C).....	> 100.
Upper flammable limit (% vol).....	No data.
Lower flammable limit (% vol).....	No data.
Partition coefficient — n-octanol/water.....	Not available.
% Volatile by volume.....	Not available.
VOC (less water).....	315 g/L.
Viscosity.....	>20.5 cSt @ 40C.

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	Keep away from heat. Incompatible with strong oxidizers.
discharge, shock or vibration	
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
Solvent naphtha medium aliphatic	>1,400 ppm	3160 mg/kg oral rat
N-Nonane	3200 ppm (4 hrs)	>5000 mg/kg (oral, rat)
1,2,4-Trimethylbenzene	>2,000 ppm 48 hours rat	3,280 mg/kg rat oral
Propylene carbonate	Not available	>5000 mg/kg (oral, rat) >2000 mg/kg (dermal, rat)
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.	
Ingestion.....	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.	
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.....	No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC or ACGIH.	
Reproductive effects.....	No data.	

SECTION 12: ECOLOGICAL INFORMATION

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

PRODUCT: 21032 WAX BASED PERMANENT RUSTPROOFING AMBER**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.

SECTION 14: TRANSPORT INFORMATION

TDG Classification..... This product is exempt for the transportation of dangerous goods regulations when shipped by road in containers less than 450L. Shipments in containers larger than 450L are classified as UN1993 - FLAMMABLE LIQUIDS, N.O.S. (Petroleum Distillate) - Class 3 - Packing Group III.

DOT Classification (Road)..... UN1993 - FLAMMABLE LIQUID, N.O.S. (Petroleum distillates) - Class 3 - PGIII - Ltd Qty (5 Liters/1.3 Gallons).

IATA Classification (Air)..... UN1993 - FLAMMABLE LIQUIDS, N.O.S. (Petroleum distillates) - Class 3 - Packing Group III .

IMDG Classification (Marine)..... UN1993 - FLAMMABLE LIQUIDS, N.O.S. (Petroleum distillates) - Class 3 - PGIII - EmS: F-E, S-E.

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

WHMIS 1988 classification..... B3. D2B.

CEPA status..... Not determined.

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 None.

substances

Section 311/312 - hazard categories..... Immediate health, delayed health, fire hazard.

Section 313..... 1,2,4-Trimethylbenzene.

EPA hazardous air pollutants (HAPS) None.

40CFR63

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.

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data sheet