



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

PRODUCT: RC-IT 2005G YELLOW IRON OXIDE GAL

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..... RC-IT 2005G YELLOW IRON OXIDE GAL

Recommended use and restrictions on .. Paints. Colourant.
use

Chemical family..... Mixture.

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

HMIS..... 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..... WARNING.

Hazard Classification..... Flammable Liquid 3. Carcinogenicity — Category 2. Reproductive Toxicity — Category 2.

Hazard Description..... H226 Flammable liquid and vapour. H351 This product contains ingredients that are suspected of causing cancer. H361 Suspected of damaging fertility or the unborn child.

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. 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.

Response P370 + P378 In case of fire - use dry chemical powder, CO2 or foam to extinguish. P303 + P361 + P353 If on skin or in hair: take off all contaminated clothing immediately. Rinse thoroughly with water and use safety shower . P308 + P313 If exposed or concerned, get medical advice/attention.

Storage..... P403 + P235 Store in well ventilated area. Keep cool. P405 Store locked up.

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.

SECTION 03: COMPOSITION / INFORMATION ON INGREDIENTS

CHEMICAL NAME AND SYNONYMS	CAS #	WT. %
2-Propanol, 1-methoxy-, acetate	108-65-6	20-25
Naphtha (petroleum), heavy alkylate	64741-65-7	7-13
Titanium Dioxide	13463-67-7	1-5
Xylene	1330-20-7	0.1-1
n-Butyl Acetate	123-86-4	0.1-1
Ethylbenzene	100-41-4	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.

PRODUCT: RC-IT 2005G YELLOW IRON OXIDE GAL**SECTION 04: FIRST-AID MEASURES**

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	May cause eye irritation. May cause slight eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Direct contact with eyes may cause temporary irritation. Vapors have a narcotic effect and may cause headache, fatigue, dizziness and nausea. This product contains ingredients that are suspected of damaging fertility or the unborn child. This product contains ingredients that may cause cancer.
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 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). Nitrogen oxides. Hydrocarbon fumes and smoke. By fire: protect against potentially toxic and irritating fumes.
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. Cool fire-exposed containers with cold water spray. Heat will cause pressure buildup and may cause explosive rupture. 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. 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 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.....	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.

SECTION 08: EXPOSURE CONTROLS / PERSONAL PROTECTION

INGREDIENTS	TWA	ACGIH TLV STEL	PEL	OSHA PEL STEL	REL	NIOSH
2-Propanol, 1-methoxy-, acetate	50 ppm	75 ppm	Not established	Not established	Not established	Not established
Naphtha (petroleum), heavy alkylate	525 mg/m ³	Not established	Not established	Not established	Not established	Not established
Titanium Dioxide	10 mg/m ³ CA ON: 10 mg/m ³ (TWA)	Not established	15 mg/m ³	Not established	Not established	Not established
Xylene	50 ppm CA ON: 100ppm (TWA); 150ppm (STEL)	150 ppm	100 ppm TWA	Not established	Not established	Not established

PRODUCT: RC-IT 2005G YELLOW IRON OXIDE GAL**SECTION 08: EXPOSURE CONTROLS / PERSONAL PROTECTION**

INGREDIENTS	TWA	ACGIH TLV STEL	PEL	OSHA PEL STEL	REL NIOSH
n-Butyl Acetate	50 ppm	150 ppm	150 ppm	200 ppm	150 ppm / STEL 200 ppm
	CA ON: 50ppm (TWA), 150ppm (STEL)				
Ethylbenzene	100 ppm	125 ppm	100 ppm	Not established	100 ppm / STEL 125 ppm
	CA ON: 20ppm (TWA)				
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. Chemical safety goggles and full faceshield if a splash hazard exists.				
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. Explosion-proof exhaust ventilation.				

SECTION 09: PHYSICAL AND CHEMICAL PROPERTIES

Appearance/Physical state.....	Paste.
Colour.....	Yellow.
Odour.....	Sweet odour. Methacrylate.
Odour threshold (ppm).....	Not available.
Vapour pressure (mm Hg).....	No data.
Vapour density (air=1).....	No data.
pH.....	No data.
Density.....	13.04 lbs/USG.
Melting / Freezing point (deg C).....	Not available.
Solubility.....	No data.
Initial boiling point / boiling range (deg C).....	>100°C.
Evaporation rate.....	Not available.
Flash point (deg C), method.....	28. (estimate; lowest flash point ingredient).
Auto ignition temperature (deg C).....	>200.
Upper flammable limit (% vol).....	12.0.
Lower flammable limit (% vol).....	1.0.
Partition coefficient — n-octanol/water.....	Not available.
% Volatile by volume.....	57.14.
VOC LBS/GAL less water.....	4.21 lbs/USG.
Viscosity.....	860 cPs, #5 (20 rpm).

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. Electrostatic charge. Incompatible with strong oxidizers. Strong acids.
discharge, shock or vibration	
Hazardous decomposition products.....	By fire: Oxides of carbon (CO,CO2). Methyl methacrylate, Isobornyl methacrylate. Thermal decomposition may produce acrid smoke and irritating fumes.

SECTION 11: TOXICOLOGICAL INFORMATION

INGREDIENTS	LC50	LD50
2-Propanol, 1-methoxy-, acetate	Not Available	8,532 mg/kg rat oral 5,000 mg/kg dermal rabbit
Naphtha (petroleum), heavy alkylate	>4000 mg/kg dermal rat	>8000 mg/kg oral rat

PRODUCT: RC-IT 2005G YELLOW IRON OXIDE GAL**SECTION 11: TOXICOLOGICAL INFORMATION**

INGREDIENTS	LC50	LD50
Titanium Dioxide	>6.8 mg/L (4 hr)	>10,000 mg/kg (rat, oral) >10,000 mg/kg (rabbit, dermal)
Xylene	6350 ppm 4 hours rat	>3523 mg/kg rat oral
n-Butyl Acetate	>33 mg/L vapour, 5.2 mg/L (rat) dust/mist	10760 mg/kg (rat, oral) 14112 mg/kg (rabbit, dermal)
Ethylbenzene	No data	3,500 mg/kg rat oral 17,800 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.....	May be harmful or fatal if swallowed. Swallowing causes inebriation, headache, vomiting, leading to severe illness, blindness, even death. 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.	
Carcinogenicity of material.....	IARC has classified Titanium Dioxide as a group 2B carcinogen. Ethylbenzene is known to the state of California to cause cancer and developmental effects and is listed by IARC as a Group 2B Carcinogen.	
Reproductive effects.....	High level exposure to Xylene in some animal studies have been reported to cause health effects on the developing embryo/fetus. The relevance of this to humans is not known.	

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.
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SECTION 14: TRANSPORT INFORMATION

TDG Classification.....	UN1263 - PAINT RELATED MATERIAL - Class 3 - Packing Group III - This product meets the limited quantity exemption when packaged in containers less than 5 liters .
DOT Classification (Road).....	UN1263 - PAINT RELATED MATERIAL - Class 3 - Packing Group III - This product meets the limited quantity exemption when packaged in containers less than 5 liters . Refer to 49CFR 172.101 for additional non-bulk packaging requirements.
IATA Classification (Air).....	UN1263 - PAINT RELATED MATERIAL - Class 3 - Packing Group III. Limited Quantity. Do not ship by air without checking appropriate IATA regulations.
IMDG Classification (Marine).....	UN1263 - PAINT RELATED MATERIAL - Class 3 - Packing Group III - EmS: F-E S-E . 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 either listed or exempt from the TSCA. .
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.....	Fire hazard. Delayed Health.
Section 313.....	Ethylbenzene.

PRODUCT: RC-IT 2005G YELLOW IRON OXIDE GAL**SECTION 15: REGULATORY INFORMATION**

EPA hazardous air pollutants (HAPS) Ethylbenzene. Xylene.

40CFR63

California Proposition 65..... *WARNING: This product contains a chemical known to the State of California to cause birth defects or other reproductive harm. *WARNING: This product contains a chemical known to 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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Date of the latest revision of the safety .. 2018-09-19
data sheet