



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

PRODUCT: 13564 URETHANE GRADE REDUCER (MEDIUM)

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..... 13564 URETHANE GRADE REDUCER (MEDIUM)

Recommended use and restrictions on .. Paint reducer. Recommended use and restrictions on use. Attapulgitte clays.
use

Chemical family..... Mixture.

NFPA rating..... Health: 2 Fire: 3 Reactivity: 0.

HMIS..... H: 2 F: 3 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 2. Aspiration Toxicity 1. Skin Corrosion/Irritation — Category 2. Serious Eye Damage/Eye Irritation — Category 2A. Specific Target Organ Toxicity — Single Exposure — Category 3. (CNS). (Respiratory System). (Narcotic Effects). Carcinogenicity — Category 2. Reproductive Toxicity — Category 2. Specific Target Organ Toxicity — Repeated Exposure — Category 2. Acute Toxicity (Inhalation) — Category 4. Acute Toxicity (Oral) — Category 4.

Hazard Description..... H225 Highly flammable liquid and vapour. H302 Harmful if swallowed. H304 May be fatal if swallowed and enters airways. H315 Causes skin irritation. H319 Causes serious eye irritation. H332 Harmful if inhaled. H335 May cause respiratory irritation. H336 May cause drowsiness or dizziness. H351 This product contains ingredients that are suspected of causing cancer. H361 Suspected of damaging fertility or the unborn child. H373 May cause 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. 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. P260 Do not breathe the mist, vapours, or spray. P261 Avoid breathing mists, vapours and sprays. 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. P301 + P312 If swallowed call a poison control centre. P302 + P352 - If on skin: wash with plenty of water. P303 + P361 + P353 If on skin or in hair: take off all contaminated clothing immediately. Rinse thoroughly with water and use safety shower . P304 + P340 - If inhaled remove person to fresh air and keep comfortable for breathing. 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. P308 + P313 If exposed or concerned, get medical advice/attention. P312 Call a POISON CENTER/doctor if you feel unwell. P314 - Get medical advice/attention if you feel unwell. P321 - For specific treatment see section 4 on this SDS. P330 Rinse mouth. P331 Do NOT induce vomiting. P332 + P313 - If skin irritation occurs get medical attention or advice. P337 + P313 - If eye irritation persists get medical attention. P362 + P364 - Take off contaminated clothing and wash before reuse. P370 + P378 In case of fire - use dry chemical powder, CO2 or foam to extinguish.

Storage..... P403+P433+P435 Store in a well ventilated area. Keep container tightly closed. Keep cool. P405 Store locked up.

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

PRODUCT: 13564 URETHANE GRADE REDUCER (MEDIUM)**SECTION 02: HAZARD IDENTIFICATION**

Other hazards..... Burning produces obnoxious and toxic fumes. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea. Toxic to aquatic life with long lasting effects. .
 Note This product mixture has been classified based on its ingredients.

SECTION 03: COMPOSITION / INFORMATION ON INGREDIENTS

CHEMICAL NAME AND SYNONYMS	CAS #	WT. %
Ethyl Acetate	141-78-6	1-5
Methyl Isobutyl Ketone	108-10-1	10-30
Methyl N-Amyl Ketone	110-43-0	10-30
Toluene	108-88-3	10-30
Xylene	1330-20-7	10-30
Ethylbenzene	100-41-4	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. Check for and remove any contact lenses, if safe and easy to do so. If irritation persists, obtain medical attention.
 Skin contact..... Rinse skin for 15-20 minutes. Remove contaminated clothing and launder before reuse. 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, Harmful if swallowed, in contact with skin or if inhaled. Causes skin and eye irritation. whether acute or delayed Aspiration hazard. May cause respiratory irritation. Vapors have a narcotic effect and may cause headache, fatigue, dizziness and nausea. May damage fertility or the unborn child.
 Additional information..... Treat victims symptomatically. This product is an CNS depressant. Aspiration hazard.

SECTION 05: FIRE-FIGHTING MEASURES

Suitable extinguishing media..... "Alcohol" foam, CO₂, dry chemical. In cases of larger fires, water spray should be used.
 Unsuitable extinguishing media..... Do not use solid water streams or water jet.
 Specific hazards arising from the Do not allow run-off from fire fighting to enter drains or water courses. Oxides of carbon hazardous product, such as the nature of (CO, CO₂). Other unidentified organic compounds.
 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. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

SECTION 06: ACCIDENTAL RELEASE MEASURES

Environmental precautions..... Do not allow product to leak into drains or waterways. If spill does contaminate waterways then inform authorities. Prevent further leakage of product if safe to do so.
 Personal precautions, protective equipment and emergency procedures Wear appropriate personal protection equipment. Ventilate area. Remove all sources of ignition. Evacuate personnel to a safe area. Beware of vapours accumulating to form explosive concentrations. Vapors can form explosive mixture in air. Vapours can accumulate in low areas.
 Methods and materials for containment and cleaning up Contain spilled material and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local/national regulations. Ventilate. Eliminate all sources of ignition.

SECTION 07: HANDLING AND STORAGE

Precautions for safe handling..... Avoid formation of aerosol. Avoid all skin contact and ventilate adequately, otherwise wear an appropriate breathing apparatus. Avoid breathing vapours or mist. Obtain special instructions before use. Open drum carefully as content may be under pressure. Do not

PRODUCT: 13564 URETHANE GRADE REDUCER (MEDIUM)**SECTION 07: HANDLING AND STORAGE**

Precautions for safe handling..... eat, drink or smoke while using this product. Do not spray on a naked flame or any incandescent material. Use adequate ventilation. Always adopt precautionary measures against build-up of static which may arise from appliances, handling and the containers in which product is packed. Use non sparking tools. 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. Dispose of rinse water according to local, Provincial and Federal guidelines. Handle in accordance with good industrial hygiene and safety practices.

Conditions for safe storage, including any incompatibilities No smoking. Keep away from heat, sparks, and open flames. Keep container closed when not in use. Observe label precautions. Electrical installations / working materials must comply with the technological safety standards. Empty containers retain hazardous product residues, both liquid and vapor.

SECTION 08: EXPOSURE CONTROLS / PERSONAL PROTECTION

INGREDIENTS	TWA	ACGIH TLV STEL	PEL	OSHA PEL STEL	REL NIOSH
Ethyl Acetate	400 ppm CA ON: 400 ppm (TWA)	Not established	400 ppm	Not established	400 ppm
Methyl Isobutyl Ketone	50 ppm ON: 20 ppm (TWA), 75 ppm (STEL)	75 ppm	100 ppm	Not established	50 ppm / STEL 75 ppm
Methyl N-Amyl Ketone	50 ppm CA ON: 25 ppm; 115 mg/m3 (TWA)	Not available	100 ppm	465 mg/m3 TWA	Not available
Toluene	20 ppm CA ON: TWA: 20 ppm	Not available	200 ppm	500 ppm 10 minutes	100 ppm / STEL 150 ppm
Xylene	50 ppm CA ON: 100ppm (TWA); 150ppm (STEL)	150 ppm	100 ppm TWA	Not available	Not available
Ethylbenzene	100 ppm CA ON: 20ppm (TWA)	125 ppm	100 ppm	Not established	100 ppm / STEL 125 ppm

Personal Protective Equipment

Eye/type..... Liquid chemical goggles. Chemical safety goggles and full faceshield if a splash hazard exists. Consult your personal protective equipment supplier for additional recommendations.

Respiratory/type..... Wear an appropriate, properly fitted respirator when contaminant levels exceed the recommended exposure limits. Consult your personal protective equipment supplier for additional recommendations.

Gloves/ type..... Chemical resistant gloves. Consult your personal protective equipment supplier for additional recommendations.

Clothing/type..... Wear impervious protective clothing. Consult your personal protective equipment supplier for additional recommendations.

Footwear/type..... Wear chemical resistant safety boots. Consult your personal protective equipment supplier for additional recommendations.

Other/type..... Emergency showers and eye wash stations should be available. Wash hands at the end of the work day.

Appropriate engineering controls..... Local exhaust at points of emission. Ventilation system should be designed for vapors and explosion proof for handling solvent vapors. Avoid breathing mists; if general ventilation or local exhaust is inadequate, persons exposed to mists should wear approved breathing devices.

SECTION 09: PHYSICAL AND CHEMICAL PROPERTIES

Appearance/Physical state..... Liquid.

Colour..... Not available.

Odour..... Not available.

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..... Not available.

Evaporation rate..... Not available.

PRODUCT: 13564 URETHANE GRADE REDUCER (MEDIUM)**SECTION 09: PHYSICAL AND CHEMICAL PROPERTIES**

Flammability (solids and gases).....	Not applicable.
Upper flammable limit (% vol).....	Not available.
Lower flammable limit (% vol).....	Not available.
Vapour pressure (mm Hg).....	Not available.
Vapour density (air=1).....	Not available.
Relative Density (Specific Gravity).....	0.841.
Solubility.....	Not available.
Partition coefficient — n-octanol/water.....	Not available.
Auto ignition temperature (deg C).....	Not available.
Decomposition temperature.....	Not available.
Viscosity.....	Not available.
% Volume Volatile exempt.....	0.00.
% Weight Solids.....	0.00.
% Volume Solids.....	0.00.
% Volatile by volume.....	100.
LBS VOC/GAL solids.....	0.00.
Total MIR.....	4.81.
VOC LBS/GAL less exempt volatiles.....	7.02.
VOC LBS/GAL less water.....	7.02.

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. Vapours may form explosive mixture with air.
Conditions to avoid, including static discharge, shock or vibration	Provide adequate ventilation. Keep away from heat. Incompatibilities include but not limited to the following: Acids. Bases. Lithium aluminum hydride. Nitrates. Strong oxidizing agents. Alkali metals. Amines. Peroxides. Aldehydes. Halogens. Hydrogen peroxide. Metals. Halogenated compounds. Metal salts.
Hazardous decomposition products.....	Oxides of carbon (CO,CO2). Other unidentified organic compounds.

SECTION 11: TOXICOLOGICAL INFORMATION

INGREDIENTS	LC50	LD50
Ethyl Acetate	16,000 ppm 6 hours rat	5,600 mg/kg (rat oral)
Methyl Isobutyl Ketone	8.2 - 16.4 mg/L 4 hours rat	2080 mg/kg (rat oral) >16,000 mg/kg (rabbit dermal)
Methyl N-Amyl Ketone	Not available	1,670 mg/kg rat oral 12,600 mg/kg rabbit dermal
Toluene	8000ppm (rat inhalation) 400ppm mouse (inhalation 24hr)	5,000 mg/kg (rat ora); 12,124 mg/kg (rabbit dermal)
Xylene	6350 ppm 4 hours rat	>3523 mg/kg rat oral
Ethylbenzene	No data	3,500 mg/kg rat oral 17,800 mg/kg rabbit dermal
Route of exposure.....	Eye contact. Skin contact. Inhalation. Ingestion.	
Skin contact.....	Can cause moderate irritation, defatting and dermatitis.	
Skin absorption.....	May be harmful if absorbed through the skin.	
Serious eye damage/eye irritation.....	Irritating to the eyes.	
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 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. Intentional misuse by deliberately concentrating and inhaling this product may be harmful or fatal.	
Carcinogenicity.....	Suspected of causing cancer.	

PRODUCT: 13564 URETHANE GRADE REDUCER (MEDIUM)**SECTION 11: TOXICOLOGICAL INFORMATION**

Reproductive effects.....	Toluene is known by the State of California to cause adverse fetal developmental effects. Methyl Ethyl Ketone has been found to cause embryol toxicity in large concentrations. Suspected of damaging fertility or the unborn child.
STOT-SE.....	Central nervous system. Certain components are know to have narcotic effects.
STOT-RE.....	Respiratory system. May cause drowsiness or dizziness.
Skin Sensitization.....	May cause damage to organs (Respiratory system, Respiratory Tract) through prolonged or repeated exposure if inhaled.
Respiratory Sensitization.....	Not expected to be a skin sensitizer.
Aspiration Hazard.....	Not expected to be a respiratory sensitizer.
	May be fatal if aspired into the airways.

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity.....	Do not allow product to enter drains, sewers, bodies of water or soil.
Mobility in soil.....	No product data available.
Persistence and degradability.....	No product data available.
Bioaccumulative potential.....	No product data 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 II - 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 II - Ltd Qty (5 L). Refer to 49CRF 172.101 for additional non-bulk packaging requirement.
IATA Classification (Air).....	UN1263 - PAINT RELATED MATERIAL - Class 3 - Packing Group II. Do not ship by air without checking appropriate IATA regulations.
IMDG Classification (Marine).....	UN1263 - PAINT RELATED MATERIAL - Class 3 - Packing Group II - EmS: F-E S-E. Limited Quantity.
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).
National Pollutant Release Inventory (NPRI).....	(CAS # 141-78-6 (CAT 5)). (CAS # 108-10-1 (CAT 1A & 5)). (CAS # 108-88-3 (CAT 1A & 5)). (CAS # 1330-20-7 (CAT 1A & 5)). (CAS # 100-41-4 (CAT 1A)).
Environmental Emergency Regulations....	Toluene (CAS # 108-88-3) Part 1. Xylene (CAS # 1330-20-7) Part 1. Ethylbenzene (CAS # 100-41-4) Part 1.
Categorization of the DSL.....	(CAS # 108-10-1). (CAS # 108-88-3). (CAS # 100-41-4).
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.....	Methyl Ethyl Ketone. Toluene. Xylene. Ethylbenzene.
EPA hazardous air pollutants (HAPS) 40CFR63	Toluene. Ethylbenzene.
California Proposition 65.....	(Methyl Isobutyl Ketone (C)). (Methyl Isobutyl Ketone (D)). *** ! WARNING: This product can expose you to chemicals including [see below], which are known to the State of California to cause cancer and birth defects or other reproductive harm. . (Toluene(D)). *** ! WARNING: This product can expose you to chemicals including [see below], which are known to the State of California to cause birth defects or other reproductive harm. (Ethylbenzene (C)). *WARNING: This product contains a chemical known to the State of California to cause cancer. For more information, go to www.P65Warnings.ca.gov .

SECTION 16: OTHER INFORMATION

Prepared by:	REGULATORY AFFAIRS.
Telephone number:.....	(800) 387-7981.

PRODUCT: 13564 URETHANE GRADE REDUCER (MEDIUM)**SECTION 16: OTHER INFORMATION**

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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data sheet