



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

PRODUCT: KKMT81 MEDIUM ALUMINIUM

SECTION 01: IDENTIFICATION

Product identifier..... KKMT81 MEDIUM ALUMINIUM
Initial supplier identifier..... Pro Form Products Ltd.
604 McGeachie Drive
Milton, Ontario L9T3Y5
Tel (905) 878-4990 Fax (905) 878-1189
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 .. Paints.
use
Chemical family..... Mixture.
Hazard rating
NFPA rating..... Health: 2 Fire: 3 Reactivity: 0.
HMIS..... H: 2 F: 3 R: 0.

SECTION 02: HAZARD IDENTIFICATION



Signal Word..... DANGER.
Hazard Classification..... Flammable Liquid 2. Skin Irritation — Category 2. Eye Irritation — Category 2A. Specific
Target Organ Toxicity — Single Exposure — Category 3. Acute Toxicity 4.
Hazard Description..... H225 Highly flammable liquid and vapour. H315 Causes skin irritation. H319 Causes
serious eye irritation. H332 Harmful if inhaled. H336 May cause drowsiness or dizziness.
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. P261 Avoid breathing mists, vapours and
sprays. P264 Wash hands thoroughly after handling. P271 Use only outdoors or in a well
ventilated area. P280 Wear protective gloves and eye protection.
Response P303 + P361 + P353 If on skin or in hair: take off all contaminated clothing immediately.
Rinse thoroughly with water and use safety shower . P332 + P313 - If skin irritation occurs
get medical attention or advice. P301 + P312 If swallowed call a poison control centre.
P330 Rinse mouth. P304 + P340 - If inhaled remove person to fresh air and keep
comfortable for breathing. P312 Call a POISON CENTER/doctor if you feel unwell. 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. 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. P321 - For specific treatment see section 4 on this SDS.
Storage..... P233 Keep container tightly closed. P235 Keep cool. P403 Store in a well ventilated area.
P405 Store locked up.
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. %
4-Chlorobenzotrifluoride	98-56-6	30-40
Methyl Acetate	79-20-9	20-30
Methyl N-Amyl Ketone	110-43-0	1-5
Light Aliphatic Solvent Naphtha	64742-89-8	1-5
n-Butyl Acetate	123-86-4	1-5
Xylene	1330-20-7	1-5

PRODUCT: KKMT81 MEDIUM ALUMINIUM**SECTION 03: COMPOSITION / INFORMATION ON INGREDIENTS**

Aluminum	7429-90-5	1-5
Naphtha (petroleum), hydrotreated heavy	64742-48-9	1-5
Solvent Naphtha, Light Aromatics	64742-95-6	1-3

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. Obtain medical attention.
Skin contact.....	Immediately remove all contaminated clothing; flush skin with water for at least 15 minutes. 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.....	Rinse mouth with water. Give 1 to 2 glasses of water to drink. Do not induce vomiting. 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. Get medical attention.
Additional information.....	This compound is a known skin sensitizer. Treat symptomatically as for contact dermatitis. In the event of an incident involving this product ensure that medical authorities are provided a copy of this safety data sheet. See sections 2 and 11.

SECTION 05: FIRE-FIGHTING MEASURES

Suitable extinguishing media.....	Carbon dioxide, dry chemical, foam. In cases of larger fires, water spray should be used. In case of large fire, cool containers with water jet in order to prevent pressure build up, autoignition or explosion.
Specific hazards arising from the hazardous product, such as the nature of any hazardous combustion products	Oxides of carbon (CO, CO ₂). Nitrogen oxides. Other potentially toxic 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. Keep run-off water from entering sewers and other waterways. Dike for water control.
Unusual fire / explosion hazards.....	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.

SECTION 06: ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures	Ventilate area, eliminate all sources of ignition, sound alarm, avoid all skin and eye contact and avoid breathing vapours.
Methods and materials for containment and cleaning up	Dike area to contain the spill, prevent runoff from going into drains, absorb residual material with an inert absorbent, shovel or pump to a properly labelled container and dispose of as a hazardous waste.

SECTION 07: HANDLING AND STORAGE

Precautions for safe handling.....	Avoid all skin contact and ventilate adequately, otherwise wear an appropriate breathing apparatus. Avoid breathing vapours or mist. 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. Keep container closed when not in use. Handle and open container with care. Employees should wash hands and face before eating or drinking.
Conditions for safe storage, including any incompatibilities	Store in a cool, dry and well ventilated area. Keep away from heat, sparks, and open flames.

SECTION 08: EXPOSURE CONTROLS / PERSONAL PROTECTION

INGREDIENTS	ACGIH TLV		PEL	OSHA PEL		NIOSH REL
	TWA	STEL		STEL	STEL	
4-Chlorobenzotrifluoride	Not established	Not established	Not established	Not established	Not established	Not established
Methyl Acetate	200 ppm	250 ppm	200 ppm	250 ppm in some States	200 ppm	200 ppm
	AB/BC/ON/PQ: 200ppm (TWA), 250ppm (STEL)					
Methyl N-Amyl Ketone	50 ppm	Not established	100 ppm	465 mg/m3 TWA	Not established	Not established

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SECTION 08: EXPOSURE CONTROLS / PERSONAL PROTECTION

INGREDIENTS	ACGIH TLV		OSHA PEL		NIOSH
	TWA	STEL	PEL	STEL	
Light Aliphatic Solvent Naphtha	CA ON: 25 ppm; 115 mg/m3 (TWA) Not established	Not established	Not established	Not established	Not established
n-Butyl Acetate	50 ppm	150 ppm	150 ppm	200 ppm	150 ppm / STEL 200 ppm
Xylene	CA ON: 50ppm (TWA), 150ppm (STEL) 50 ppm	150 ppm	100 ppm TWA	Not established	Not established
Aluminum	CA ON: 100ppm (TWA); 150ppm (STEL) No data 1 mg/m3	No data	No data	No data	No data
Naphtha (petroleum), hydrotreated heavy	175 ppm	Not established	Not established	Not established	Not established
Solvent Naphtha, Light Aromatics	Not established	Not established	500 ppm (2000 mg/m3) TWA	Not established	350 mg/m3 TWA
Eye/type.....	Chemical safety goggles and full faceshield if a splash hazard exists.				
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.....	Eye wash facility and emergency shower should be in close proximity.				
Appropriate engineering controls.....	Use local exhaust or general room ventilation sufficient to prevent overexposure. Wear an appropriate, properly fitted respirator when contaminant levels exceed the recommended exposure limits.				

SECTION 09: PHYSICAL AND CHEMICAL PROPERTIES

Appearance/Physical state.....	Liquid.
Colour.....	Aluminum.
Odour.....	Characteristic odour.
Odour threshold (ppm).....	Not available.
Vapour pressure (mm Hg).....	Not available.
Vapour density (air=1).....	>1.
pH.....	Not applicable.
Relative Density (Specific Gravity).....	1.142 - 9.53 lb/gal .
Melting / Freezing point (deg C).....	Not available.
Solubility.....	Not available.
Initial boiling point / boiling range (deg C).....	56°C - 127°C.
Evaporation rate.....	Not available.
Flammability (solids and gases).....	Flammable liquid.
Flash point (deg C), method.....	-15 Tag Closed Cup. (estimated).
Auto ignition temperature (deg C).....	>215°C.
Upper flammable limit (% vol).....	16.0.
Lower flammable limit (% vol).....	0.9.
Partition coefficient — n-octanol/water.....	Not available.
Decomposition temperature.....	Not available.
VOC (less water).....	1.48 lb/gal - 177.3 g/L - total MIR: 0.13.
Viscosity.....	540 cps spindle #4 @ 20rpm.

SECTION 10: STABILITY AND REACTIVITY

Chemical stability.....	Stable at normal temperatures and pressures.
Reactivity	Avoid heat, sparks and flames.
Conditions to avoid, including static discharge, shock or vibration	Keep away from heat.
Incompatible materials.....	Strong oxidizing agents, acids, bases.
Hazardous decomposition products.....	See hazardous combustion products section 5.
Possibility of hazardous reactions.....	Hazardous polymerization will not occur.

PRODUCT: KKMT81 MEDIUM ALUMINIUM**SECTION 11: TOXICOLOGICAL INFORMATION**

INGREDIENTS	LC50	LD50
4-Chlorobenzotrifluoride	4479 ppm	>6,800 mg/kg (rat oral); >2,700 mg/kg (rabbit dermal)
Methyl Acetate	>49 mg/L (4 hr) rat	6482 mg/kg (oral rat); >2,000 mg/kg (dermal rat)
Methyl N-Amyl Ketone	Not Available	1,670 mg/kg rat oral 12,600 mg/kg rabbit dermal
Light Aliphatic Solvent Naphtha	3400 ppm 4hr rat	3000 mg/kg dermal rat
n-Butyl Acetate	>33 mg/L vapour, 5.2 mg/L (rat) dust/mist	10760 mg/kg (rat, oral) 14112 mg/kg (rabbit, dermal)
Xylene	6350 ppm 4 hours rat	>3523 mg/kg rat oral
Aluminum	No data	No data
Naphtha (petroleum), hydrotreated heavy	>8500 mg/m3 (rat, 4 hr)	>6000 mg/kg (oral, rat)
Solvent Naphtha, Light Aromatics	5.2 mg/L 4 hours, rat 3400 ppm 4 hours, rat	>5,000 mg/kg (rat oral) >2,000 mg/kg (rabbit dermal)
Route of exposure.....	Eye contact. Skin contact. Inhalation.	
Effects of acute exposure.....	Causes serious eye irritation. Causes skin irritation. Aspiration of material into the lungs can cause chemical pneumonitis which can be fatal. Inhalation may cause respiratory tract irritation. May cause central nervous system effects such as headache, nausea, vomiting and weakness.	
Effects of chronic exposure.....	Reports have associated repeated or prolonged overexposure to solvents with permanent brain and nervous system damage. Repeated contact with the skin may cause dermatitis in sensitive individuals. Prolonged skin contact may cause reddening, swelling, rash, scaling, blistering, and in some cases, sensitization. Intentional misuse by deliberately concentrating and inhaling this product may be harmful or fatal. Prolonged or repeated exposure to this product may result in effects to the liver.	
Carcinogenicity of material.....	None of the components present in this material at concentrations equal to or greater than 0.1% are listed by IARC, NTP, OSHA or ACGIH as a 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. Industrial incineration is the preferred method. Empty containers retain product residue; observe all precautions for the product. Decontaminate containers prior to disposal. Empty decontaminated containers should be crushed to prevent reuse. Do not heat or cut empty containers with electric or gas torch as vapours and gases may be toxic.

SECTION 14: TRANSPORT INFORMATION

TDG Classification..... UN1263 - PAINT - Class 3 - Packing Group II - This product meets limited quantity exemption when shipped in containers less than 5 litres.
DOT Classification (Road)..... UN1263 - PAINT - Class 3 - Packing Group II - Ltd Qty (1 Liter). Refer to 49CRF 172.101 for additional non-bulk packaging requirements.
IATA Classification (Air)..... UN1263 - PAINT - Class 3 - Packing Group II.
IMDG Classification (Marine)..... UN1263 - PAINT - Class 3 - Packing Group II - EmS: F-E S-E.
Marine Pollutant..... Potential marine pollutant.
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).
Section 313..... Xylene.
OSHA..... This product is considered hazardous under the OSHA Hazard Communication Standard.
SARA Title III

PRODUCT: KKMT81 MEDIUM ALUMINIUM**SECTION 15: REGULATORY INFORMATION**

Section 302 - extremely hazardous None.
 substances
 Section 311/312 - hazard categories..... Immediate health, delayed health, fire hazard.
 EPA hazardous air pollutants (HAPS) Xylene.
 40CFR63
 TSCA inventory status..... All components are listed.
 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.
 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 .. 2016-06-01
 data sheet