



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

PRODUCT: RC-IB 1009 ECONOMY ALKYD BLACK BASE / HIGH VOC

SECTION 01: IDENTIFICATION

Product identifier..... RC-IB 1009 ECONOMY ALKYD BLACK BASE / HIGH VOC
 Other means of identification
 Chemical family..... Mixture.
 Recommended use and restrictions on .. Paints. Basecoat.
 use
 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 **.
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 NFPA rating..... Health: 2 Fire: 4 Reactivity: 0.
 HMIS..... H: 2 F:4 R: 0.

SECTION 02: HAZARD IDENTIFICATION



Hazard Classification..... Flammable Liquid 2. Aspiration Toxicity 1. Skin Irritation — Category 2. Eye Irritation — Category 2A. Specific Target Organ Toxicity — Single Exposure — Category 3. (narcotic effects). Carcinogenicity — Category 2. Reproductive Toxicity — Category 2. Specific Target Organ Toxicity — Repeated Exposure — Category 2.
 Signal Word..... DANGER.
 Hazard Description..... H225 Highly flammable liquid and vapour. H304 May be fatal if swallowed and enters airways. H315 Causes skin irritation. H319 Causes serious eye irritation. 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. P264 Wash thoroughly after handling. P271 Use only outdoors or in a well ventilated area. 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 . P302 + P352 - If on skin: wash with plenty of water. P362 + P364 - Take off contaminated clothing and wash before reuse. P332 + P313 - If skin irritation occurs get medical attention or advice. 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. P301 + P310 If swallowed IMMEDIATELY CALL A POISON CONTROL CENTRE and follow instructions provided by the centre. P331 Do NOT induce vomiting. P308 + P313 If exposed or concerned, get medical advice/attention. P304 + P340 - If inhaled remove person to fresh air and keep comfortable for breathing. P312 Call a POISON CENTER/doctor if you feel unwell.
 Storage..... P233 Keep container tightly closed. 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.

PRODUCT: RC-IB 1009 ECONOMY ALKYD BLACK BASE / HIGH VOC**SECTION 03: COMPOSITION / INFORMATION ON INGREDIENTS**

CHEMICAL NAME AND SYNONYMS	CAS #	WT. %
Toluene	108-88-3	10-30
Xylene	1330-20-7	5-10
Butyl Acetate	123-86-4	5-10
Methyl N-Amyl Ketone	110-43-0	5-10
2-Propanol, 1-methoxy-, acetate	108-65-6	1-5
Light aromatic naphtha*	64742-95-6	1-5
Carbon Black	1333-86-4	1-5
Ethylbenzene	100-41-4	1-5
Naphtha (petroleum), hydrotreated heavy	64742-48-9	0.5-1.5
Methyl ethyl ketoxime (MEKO)	96-29-7	0.1-1
*Light aromatic naphtha (64742-95-6) contains: 1,2,4-trimethylbenzene (<32%), Cumene (<1.1%), and xylene (<2.2%) <<The actual concentration(s) withheld as a trade secret>> .		

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.....	Small amounts of this liquid drawn into the lungs from swallowing or vomiting may cause severe health effects. If ingestion is suspected, contact physician or poison control center immediately. 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.
Skin contact.....	Immediately remove all contaminated clothing, flush skin with water for at least 15 minutes. Wash clothing before reuse. If irritation persists, seek medical attention.
Eye contact.....	In case of contact, immediately flush eyes, keeping eyelids open, with plenty of water for at least 15 minutes. Obtain medical attention.
Most important symptoms and effects, whether acute or delayed	Harmful if swallowed, in contact with skin or if inhaled. Causes skin and eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Vapors have a narcotic effect and may cause headache, fatigue, dizziness and nausea. This product contains ingredients that may cause cancer. This product contains ingredients that are suspected of damaging fertility or the unborn child. May cause damage to organs.
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. The water spray reduces the intensity of the flames. However, water jets can promote the spread of fire. Do not use water in a jet.
Specific hazards arising from the hazardous product, such as the nature of any hazardous combustion products	Flammable liquid. Thermal decomposition products are toxic. May include: Oxides of carbon (CO, CO ₂). Hydrocarbon fumes and smoke. Decomposition may include irritating gases and vapours.
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.
Unusual fire / explosion hazards.....	Vapours can travel to a source of ignition and flash back causing an explosion and fire.

SECTION 06: ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures	Isolate area and keep unauthorized people away. Do not walk through spilled material. Wear recommended protective equipment. Ventilate. Open windows and doors to allow air circulation. Dike area to prevent spreading. The use of absorbent socks or spill pillows may be required. Stop leak if safe to do so. Prevent runoff into drains, sewers, and other waterways. Use non-sparking tools and equipment to pick up the spilled material.
Methods and materials for containment and cleaning up	

PRODUCT: RC-IB 1009 ECONOMY ALKYD BLACK BASE / HIGH VOC**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. Use non-sparking tools and equipment to pick up the spilled material. 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. Prevent runoff into drains, sewers, and other waterways.

SECTION 07: HANDLING AND STORAGE

Precautions for safe handling..... Keep away from heat, sparks, and open flame. Avoid all skin contact and ventilate adequately, otherwise wear an appropriate breathing apparatus. This material is a static accumulator. 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 breathing vapours or mist. Employees should wash hands and face before eating or drinking. Handle and open container with care.

Conditions for safe storage, including any incompatibilities Keep away from heat, sparks, and open flames. Store away from oxidizing and reducing materials. Store away from sunlight. Keep container closed when not in use. Unsuitable materials and coatings: Polystyrene, Natural rubber, Butyl rubber, EPDM.

SECTION 08: EXPOSURE CONTROLS / PERSONAL PROTECTION

INGREDIENTS	TWA	ACGIH TLV STEL	PEL	OSHA PEL STEL	REL	NIOSH
Toluene	20 ppm CA ON: TWA: 20 ppm	Not established	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 established	Not established	
Butyl Acetate	150 ppm CA ON: 50ppm (TWA), 150 ppm (STEL)	200 ppm	150 ppm	200 ppm vacated	150 ppm - STEL 200 ppm	
Methyl N-Amyl Ketone	50 ppm CA ON: 25 ppm; 115 mg/m3 (TWA)	Not established	100 ppm	465 mg/m3 TWA	Not established	
2-Propanol, 1-methoxy-, acetate	50 ppm	75 ppm	Not established	Not established	Not established	
Light aromatic naphtha*	Not established	Not established	500 ppm (2000 mg/m3) TWA	Not established	350 mg/m3 TWA	
Carbon Black	3 mg/m3 CA ON: 3 mg/m3 (Inhalable) TWA	Not established	3.5 mg/m3	Not established	3.5 mg/m3	
Ethylbenzene	100 ppm CA ON: 20ppm (TWA)	125 ppm	100 ppm	Not established	100 ppm / STEL 125 ppm	
Naphtha (petroleum), hydrotreated heavy	175 ppm Not available	Not available	Not available	Not available	Not available	
Methyl ethyl ketoxime (MEKO)	Not established		Not established		Not established	

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.

Personal Protective Equipment
Respiratory/type..... Local exhaust ventilation is recommended. If engineering controls do not maintain airborne contaminant concentrations at a level which is adequate to protect worker health, an approved respirator may be appropriate. Respirator selection, use, and maintenance must be in accordance with regulatory requirements, if applicable.

Eye/type..... Wear eye protection if there is a risk of splashing. The selection of this equipment depends on the nature of the work to be performed and, if applicable, the type of respirator used.

PRODUCT: RC-IB 1009 ECONOMY ALKYD BLACK BASE / HIGH VOC**SECTION 08: EXPOSURE CONTROLS / PERSONAL PROTECTION**

Gloves/ type..... Wear skin protection equipment. The selection of this equipment depends on the nature of the work to be done. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated. Contact glove supplier for recommendations.

Clothing/type..... Wear adequate protective clothes.

Footwear/type..... Safety boots per local regulations.

Other/type..... Emergency showers and eye wash stations should be available. Employees should wash their hands and face before eating, drinking, or using tobacco products.

SECTION 09: PHYSICAL AND CHEMICAL PROPERTIES

Appearance/Physical state..... Liquid.

Colour..... Black.

Odour..... Characteristic odour.

Odour threshold (ppm)..... Not available.

pH..... Not available.

Melting / Freezing point (deg C)..... Not available.

Initial boiling point / boiling range (deg C). >35 C.

Flash point (deg C), method..... 4 °C. (estimate; lowest flash point ingredient).

Evaporation rate..... Not available.

Flammability (solids and gases)..... Not applicable. Flammable liquid.

Upper flammable limit (% vol)..... 10.8.

Lower flammable limit (% vol)..... 0.6.

Vapour pressure (mm Hg)..... Not available.

Vapour density (air=1)..... >1.

Relative Density (Specific Gravity)..... 1.029.

Pounds / USG..... 8.59.

Solubility..... Not available.

Partition coefficient — n-octanol/water..... Not available.

Auto ignition temperature (deg C)..... > 200°C.

Decomposition temperature..... Not available.

Viscosity..... 800-1000 cPs. #4 @ 20 RPM.

% Volatile by weight..... 52.73.

VOC LBS/GAL less water..... 4.53 lbs/USG; 542.8 g/L.

SECTION 10: STABILITY AND REACTIVITY

Reactivity Not available. Avoid heat, sparks and flames.

Chemical stability..... Stable at normal temperatures and pressures.

Possibility of hazardous reactions..... Hazardous polymerization will not occur.

Conditions to avoid, including static Keep away from heat. Electrostatic charge.

discharge, shock or vibration

Incompatible materials..... Strong oxidizing agents. Avoid natural, butyl, and neoprene rubbers. Avoid prolonged contact with nitrile rubber and PVC.

Hazardous decomposition products..... No hazardous decomposition products when stored and handled correctly. See hazardous combustion products section 5.

SECTION 11: TOXICOLOGICAL INFORMATION

INGREDIENTS	LC50	LD50
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
Butyl Acetate	390 ppm (4 hr)	10768 mg/kg oral rat 17600 mg/kg dermal rabbit
Methyl N-Amyl Ketone	Not Available	1,670 mg/kg rat oral 12,600 mg/kg rabbit dermal
2-Propanol, 1-methoxy-, acetate	Not Available	8,532 mg/kg rat oral 5,000 mg/kg dermal rabbit
Light aromatic naphtha*	10.2 mg/L (inhal, hr.)	>3400 mg/kg (oral, rat). >2000 mg/kg (dermal, rabbit)
Carbon Black	Not available	>10,000 mg/kg (oral rat) 3,000 mg/kg (dermal rabbit)

PRODUCT: RC-IB 1009 ECONOMY ALKYD BLACK BASE / HIGH VOC**SECTION 11: TOXICOLOGICAL INFORMATION**

INGREDIENTS	LC50	LD50
Ethylbenzene	No data	3,500 mg/kg rat oral 17,800 mg/kg rabbit dermal
Naphtha (petroleum), hydrotreated heavy	>8500 mg/m3 (rat, 4 hr)	>6000 mg/kg (oral, rat)
Methyl ethyl ketoxime (MEKO)	> 4.8 MG/L 4-Hr., rat	2300-3700 mg/kg (oral, rat). >1000M g/kg (dermal, rabbit)
Route of exposure.....	Eye contact. Skin contact. Inhalation.	
Symptoms related to the physical, chemical and toxicological characteristics		
Effects of acute exposure.....	This product is harmful if inhaled or swallowed. Can cause moderate skin irritation. Can cause eye irritation. Symptoms include stinging, tearing, redness, and swelling of eyes. Aspiration of material into the 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. Intentional misuse by deliberately concentrating and inhaling this product may be harmful or fatal. Several studies of workers indicate that the central and peripheral nervous systems are the main targets of styrene following repeated exposures.	
Carcinogenicity of material.....	IARC has classified Carbon Black as "Group 2B", possibly carcinogenic to humans, based on laboratory animal inhalation studies. Xylene has been listed by IARC as a Group 3; not classifiable as to its carcinogenicity to humans. Ethylbenzene is classified as an A3 known animal carcinogen. Male rats and mice exposed to methyl ethyl ketoxime (MEKO) throughout their lifetime developed liver cancer.	
Reproductive effects.....	Xylene has been classified by The Commission on Health and Safety as causing reproductive effects. Toluene is fetotoxic in rats and mice at maternally toxic levels. Prolonged and repeated exposure of pregnant animals (>1500 ppm) to Toluene have been reported to cause adverse fetal developmental effects. Solvent Naphtha is classified as a possible reproductive toxin.	
Mutagenicity.....	The data does not allow for an adequate assessment of the mutagenic effect.	
Sensitizing capability of material.....	Not expected.	
Specific Target Organ Toxicity	May cause drowsiness or dizziness. Causes damage to organs through prolonged or repeated exposure .	

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity.....	Product data not available.
Persistence and degradability.....	Product data not available.
Bioaccumulative potential.....	Product data not available.
Mobility in soil.....	Product data not available.
Other adverse effects.....	Do not allow to enter waters, waste water or soil.

SECTION 13: DISPOSAL CONSIDERATIONS

Information on safe handling for disposal and methods of disposal, including any contaminated packaging	Empty containers must be handled with care due to product residue. Do not heat or cut empty containers with electric or gas torch. Dispose of as an industrial waste in a manner acceptable to good waste management practice and in accordance with applicable local, provincial/State or federal regulations.
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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. Limited Quantity. Do not ship by air without checking appropriate IATA regulations.
IMDG Classification (Marine).....	UN1263 - PAINT - Class 3 - Packing Group II - EmS: F-E S-E. Limited Quantity. Check IMDG regulations for limited quantity exemptions.
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.....	Contains ingredient(s) not on the DSL. A Ministerial Condition has been imposed on (an ingredient) in this substance. Contact supplier for additional information.
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	

PRODUCT: RC-IB 1009 ECONOMY ALKYD BLACK BASE / HIGH VOC**SECTION 15: REGULATORY INFORMATION**

Section 302 - extremely hazardous substances None.
Section 311/312 - hazard categories Immediate health, delayed health, fire hazard.
Section 313 1,2,4-Trimethylbenzene. Ethylbenzene. Glycol ethers. Toluene. Xylene.
EPA hazardous air pollutants (HAPS) 40CFR63 1,2,4-Trimethylbenzene. Benzene. Cumene. Ethylbenzene. Glycol ethers. Methyl Isobutyl Ketone. Toluene. Xylene.
California Proposition 65 *** ! 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. (Benzene (D)). (Methyl Isobutyl Ketone (D)). (Toluene). *** ! WARNING: This product can expose you to chemicals including [see below], which are known to the State of California to cause cancer . (Benzene). (Carbon black - airborne, unbound particles of respirable size). (Cumene). (Ethyl benzene). (Silica, crystalline (airborne particles of respirable size)). For more information, go to www.P65Warnings.ca.gov .

SECTION 16: OTHER INFORMATION

Prepared by: REGULATORY AFFAIRS. Trivalent Data Systems Ltd. www.trivalent.com .
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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