



MATERIAL SAFETY DATA SHEET

Product Name: EX-2C THINNER

SECTION 01: CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Manufacturer/Supplier: Endura Manufacturing Co. Ltd.
12425 - 149 Street
Edmonton, Alberta
T5L 2J6
Ph: (780) 451-4242 Fax: (780) 452-5079
24-Hour Emergency Number:..... (613) 996-6666 (Canutec)
Product Name:..... EX-2C THINNER
Item Number:..... UN 1263 CL 3 PG II
Chemical Family:..... Esters, Ketone
Material Use:..... Paint Thinner and Cleaner

SECTION 02: COMPOSITION / INFORMATION ON INGREDIENTS

HAZARDOUS INGREDIENTS	C.A.S.	LD/50, ROUTE, SPECIES	LC/50, ROUTE, SPECIES	TLV	% WT
acetone	67-64-1	>9.7 g/kg o-r >20 ml/kg d-rbt	>16000 ppm/4h i-r	500 ppm	10 – 30
ethyl 3-ethoxypropionate	763-69-9	5 g/kg o-r 10 ml/kg d-rbt	>1000 ppm/6h i-r	N/A	10 – 30
n-butyl acetate	123-86-4	14 g/kg o-r	2000 ppm/4h i-r	150 ppm	30 – 60
pm acetate	108-65-6	8.5 g/kg o-fr >5 g/kg d-rbt	N/A	N/A	10 – 30
Legend:	o=oral	d=dermal	i=inhalation	r=rat	fr=female rat

SECTION 03: HAZARD IDENTIFICATION

Eye Contact:..... Moderately irritating to eyes and can cause tissue damage.
Skin Contact:..... Low toxicity by skin absorption, but extended contact can cause irritation and dermatitis.
Inhalation:..... Vapors are of low to moderate toxicity when inhaled and are irritating to nose, throat and other respiratory passages, especially in higher concentrations. Extended exposure can cause headaches, dizziness, nausea or even loss of muscular control and coordination, narcosis or unconsciousness.
Ingestion:..... Liquid is of low to moderate toxicity when ingested, but can be hazardous if aspirated into lungs during swallowing or vomiting.
Additional Information:..... Chronic hazards include narcosis, specific organ damage, permanent brain and nervous system damage or coma if extensively abused.

SECTION 04: FIRST AID MEASURES

Inhalation (acute):..... Remove to fresh air and if necessary restore breathing by giving artificial respiration. Administer oxygen if victim is breathing with difficulty. GET IMMEDIATE MEDICAL HELP.
Ingestion:..... DO NOT INDUCE VOMITING. Seek medical help. Give 1 or 2 glasses water or milk, BUT ONLY IF VICTIM IS CONSCIOUS.
Eye Contact:..... Check for and remove any contact lenses. Flush eyes IMMEDIATELY with water for at least 15 minutes, and get immediate medical help.
Skin Contact:..... Wash with soap and water. Clean contaminated clothing before reuse.
Notes to Physician:..... Treatment is symptomatic. There is no specific antidote. See list of ingredients.

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SECTION 05: FIRE FIGHTING MEASURES

Flash Point (°C) (TCC):..... -18
 Auto Ignition Temperature (°C):..... N/A
 Upper Explosive Limit (% Vol):..... >1
 Lower Explosive Limit (% Vol):..... N/A
 Extinguishing Media:..... CO₂, dry chemical, foam. Avoid using water except as a fog.
 Hazardous Combustion Products:..... CO, CO₂
 Sensitivity To Mechanical Impact:..... None
 Sensitivity To Static Discharge:..... Can ignite vapors
 Special Fire Fighting Procedures:..... Wear self-contained breathing apparatus and full protective clothing. Extreme heat may cause pressure build-up in containers and possibly explosion, therefore use water to keep containers cool.
 Conditions of Flammability:..... Sparks, open flame, static discharge or extreme temperature.

SECTION 06: ACCIDENTAL RELEASE MEASURES

Leak / Spill:..... The product should be contained and absorbed with inert materials and placed into a container. Do not seal the containers until any gas, which might form, has done so.
 Clean Up:.....

SECTION 07: HANDLING AND STORAGE

Handling Procedures:..... Avoid static charges, sparks, flames and excessive heat. Keep containers tightly closed and upright when not in use. Transfer equipment should be properly grounded or bonded. Electrical and mechanical equipment should be explosion-proof. Do not allow contact with skin or eyes and don't breathe vapors.
 Storage Needs:..... Store in a cool, dry place.

SECTION 08: EXPOSURE CONTROLS / PERSONAL PROTECTION

PROTECTIVE EQUIPMENT

Eye/Type:..... Personnel should wear liquid chemical goggles or a full-face shield.
 Respiratory/Type:..... Personnel should wear a suitable air supplied respirator.
 Gloves/Clothing/Footwear/Type:..... Personnel should wear chemical-resistant clothing, gloves and footwear.
 Other/Type:..... A safety shower and eye wash facility should be available.
 Ventilation Requirements:..... Adequate ventilation must be assured to prevent the accumulation of dangerous amounts of vapor or mist.

SECTION 09: PHYSICAL AND CHEMICAL PROPERTIES

Physical State (appearance):..... Clear, colourless liquid
 Odor:..... Ketone like
 Density (g/ml):..... 0.90
 Odor Threshold (ppm):..... N/A
 Vapor Pressure (@20°C):..... 180 mm Hg
 Vapor Density (Air=1):..... Heavier than air
 Evaporation Rate:..... 5.7
 Boiling Point (°C):..... 57
 pH:..... N/A
 Solubility in Water (% W/W):..... N/A
 Coefficient of Water/Oil Distribution:..... N/A
 Freezing Point (°C):..... N/A
 VOC:..... 695 g/l 5.79 lbs/gal

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SECTION 10: STABILITY AND REACTIVITY

Incompatibility:.....
Materials to Avoid:..... Oxidizing materials. Product is otherwise stable.
Hazardous Products of Decomposition:.....

SECTION 11: REGULATORY INFORMATION

WHMIS Classification..... B-2, D-1B, D-2B

SECTION 12: DISPOSAL CONSIDERATIONS

Waste Disposal:..... Dispose of waste according to local, provincial and federal regulations. Utilize authorized centers for disposal of combustible chemical material.

SECTION 13: TRANSPORT INFORMATION

T.D.G. Classification:..... Shipping name: Paint related material. UN 1263, CL 3, PG II.

SECTION 14: OTHER INFORMATION

Note:.....
Prepared By:..... Michel Gelly
Revision Date:..... August 25, 2003