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SAFETY DATA SHEET

SECTION 1: IDENTIFICATION

Product Code: 10006
Product Trade Name: Lacquer Thinner
Product Class / Intended End Use: Thinner
Emergency Telephone Numbers: For emergency health, safety and environmental information call 416-252-5676 (Monday to Friday 9am-4pm est/edt)

For Emergency Transportation Information call CANUTEC at 613-996-6666

SECTION 2: HAZARDS IDENTIFICATION

Classification:

	Category
Flammable Liquids	2
Acute Oral Toxicity	3
Acute Dermal Toxicity	3
Acute Inhalation Toxicity - Vapours	3
Skin Irritation	2
Eye Irritation	2A
Reproductive Toxicity	2
Specific Target Organ Toxicity – Single Exposure (CNS)	3
Specific Target Organ Toxicity – Single Exposure (Optic Nerve)	1
Specific Target Organ Toxicity – Repeated Exposure (Kidney, Liver, Spleen, Blood)	1
Aspiration Toxicity	1
Signal word:	DANGER!

Hazard Statements:

- Highly flammable liquid and vapour
- Toxic if swallowed
- Toxic in contact with skin
- Toxic if inhaled
- Causes serious eye irritation
- Causes damage to organs
- Causes damage to organs through prolonged or repeated exposure
- May cause damage to the brain and central nervous system through prolonged or repeated exposure via inhalation
- Suspected of damaging the unborn child
- May cause drowsiness or dizziness

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Precautionary Statements:

- Obtain special instructions before use
- Do not handle until all safety precautions have been read and understood
- Keep away from heat, open flames and hot surfaces. No smoking
- Keep container tightly closed
- Ground/Bond container and receiving equipment
- Use explosion-proof electrical/ventilating/lighting/equipment
- Use only non-sparking tools
- Take precautionary measures against static discharge
- Avoid breathing mist or vapours
- Do not eat, drink or smoke when using this product
- Wash face, hands and exposed skin thoroughly after handling
- Use only outdoors or in a well-ventilated area
- Do not breathe dust/fume/gas/mist/vapours/spray
- Wear protective gloves/clothing and eye/face protection
- Keep product cool

Other Hazards:

- POISON. May be fatal or cause blindness if swallowed.
- Vapour harmful
- Can not be made non-poisonous
- Burning produces obnoxious and toxic fumes.
- Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea

Hazard Pictograms:



SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

NAME	CAS #	WT RANGE %
Methylbenzene	108-88-3	30 – 60
Butanone	78-93-3	15 – 40
Ethyl Acetate	141-78-6	15 – 40
Methyl Alcohol	67-56-1	5 - 30

N/A = Not Available N/E = Not Established

SECTION 4: FIRST-AID MEASURES

- Ingestion:** Immediately call a POISON CENTER or doctor/physician. Rinse mouth. Do NOT induce vomiting. Never give anything by mouth to an unconscious person. If vomiting occurs spontaneously, keep victim's head lowered (forward) to reduce the risk of aspiration.
- Inhalation:** Remove person to fresh air and keep comfortable for breathing. If breathing has stopped, give artificial respiration. If breathing is difficult, give oxygen by qualified medical personnel only. Immediate medical attention is required. Call a POISON CENTRE or doctor/physician if you feel unwell.
- Skin Contact:** Immediately flush with plenty of water, while removing contaminated clothing. Immediately call a POISON CENTER or doctor/physician. Wash contaminated clothing before reuse.
- Eye Contact:** For eye contact, flush with running water for at least 15 minutes. If eye irritation persists, get medical advice/attention.

Call a poison centre or doctor/physician if you feel unwell.

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Most Important Symptoms and Effects (both acute and delayed):

- POISON. Toxic by ingestion, absorption through skin and inhalation, potentially causing irreversible effects.
- Irritating to eyes, skin, and respiratory tract. Symptoms include breathing difficulties, nausea and headache.
- May be fatal or cause blindness if swallowed
- Can not be made non-poisonous
- Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.
- Central nervous system disorders
- Inhalation of high vapour concentration may cause symptoms like headache, dizziness, tiredness, nausea and vomiting
- Aspiration hazard. Aspiration into the lungs during swallowing or subsequent vomiting may cause chemical pneumonitis, which can be fatal.
- Prolonged exposure can cause central nervous system effects.
- Contains a chemical or chemicals which can cause birth defects or other reproductive harm. Suspected of causing cancer.

Indication of any Immediate Medical Attention and Special Treatment Needed:

- POISON. Aspiration hazard. This product is a CNS depressant.

Notes to Physician:

- Treat symptomatically

SECTION 5: FIRE-FIGHTING MEASURES

Suitable Extinguishing Media:	Use water fog or fine spray, alcohol resistant foams, carbon dioxide or dry chemical. Cool closed containers exposed to fire with water spray.
Unsuitable Extinguishing Media:	Water may be ineffective. Do not use a solid water stream as it may scatter and spread fire.
Specific Hazards Arising from the Substance or Mixture:	Highly flammable liquid and vapour. Risk of ignition. Vapours may form explosive mixture with air. Vapours may travel to source of ignition and flash back. Vapours are heavier than air and may spread along floors. Containers may explode when heated. Static discharge, impact, friction, and heat may ignite exposed chemical material. Empty containers may contain hazardous residues.
Special Protective Equipment and Precautions for Fire Fighters:	Firefighters should wear proper protective equipment and self-contained breathing apparatus with full face piece operated in positive pressure mode.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures:	Evacuate personnel to safe areas. Do not breathe fumes or vapours. Move containers from fire area if safe to do so. Cool closed containers exposed to fire with water spray. Do not allow run-off from fire fighting to enter drains or water courses. Dike for water control. All persons dealing with the clean-up should wear the appropriate chemically protective equipment. Keep people away from and upwind of spill/leak. Restrict access to area until completion of clean-up. Refer to protective measures listed in sections 7 and 8.
Environmental Precautions:	Do not allow material to contaminate ground water system. If necessary, dike well ahead of the spill to prevent runoff into drains, sewers, or any natural waterway or drinking supply.
Methods and Materials for Containment and Clean Up:	Ventilate the area. Remove all sources of ignition. Prevent further leakage or spillage if safe to do so. Use only non-sparking tools and equipment in the clean-up process. Avoid breathing mist or vapours. Contain and absorb spilled liquid with non-combustible, inert absorbent material (e.g. sand), then place absorbent material into a container for later disposal (see Section 13). Contact the proper local authorities. Refer to Section 13 for disposal of contaminated material.

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SECTION 7: HANDLING AND STORAGE

Precautions for Safe Handling:

Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wear protective gloves/clothing and eye/face protection. Use only in well-ventilated areas. Avoid breathing vapour or mist. Avoid contact with skin, eyes and clothing. Keep container tightly closed. Do not eat, drink or smoke when using this product. Wash thoroughly after handling. Keep away from flames and hot surfaces. No smoking. Use only non-sparking tools. Take precautionary measures against static discharges. Ground all equipment during handling.

Conditions for Safe Storage:

Keep container tightly closed. Store in cool/well-ventilated place. Store locked up. Keep cool. Storage area should be clearly identified, clear of obstruction and accessible only to trained and authorized personnel. Inspect periodically for damage or leaks. No smoking. Empty containers may contain hazardous residues.

Incompatibles:

Acids, oxidizing agents, halogens and halogenated compounds. Metal salts.

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

Name	ACGIH TLV (ppm)		OSHA PEL (ppm)	
	TWA	STEL	PEL	STEL
Methylbenzene	20	N/A	200	300
Butanone	200	300	200	N/A
Ethyl Acetate	400	N/A	400	N/A
Methyl Alcohol	200	250	200	250

N/A = Not Available N/E = Not Established

Control Parameters:

No TLV data available on product.

Appropriate Engineering Controls:

Use only under a chemical/fume hood. Use explosion-proof electrical/ventilating/lighting/equipment. Ensure that eyewash stations and safety showers are close to the workstation location.

Respiratory Protection:

If airbourne concentrations are above the permissible exposure limits or are not known, use NIOSH-approved respirators. Respirators should be selected based on the form and concentration of contaminants in air, and in accordance with OSHA (29 CFR 1910.134) or CSA Z94.4-02. Advice should be sought from respiratory protection specialists.

Eye/Face Protection:

Wear eye/face protection. Wear as appropriate. Tightly fitting safety goggles.

Skin Protection:

Wear protective gloves/clothing. Where extensive exposure to product is possible, use resistant coveralls, apron and boots to prevent contact. The suitability for a specific workplace should be discussed with the producers of the protective gloves.

Other Considerations:

Avoid breathing vapour or mist. Avoid contact with skin, eyes and clothing. Do not ingest. Do not eat, drink or smoke when using this product. Upon completion of work, wash hands before eating, drinking, smoking or use of toilet facilities. Remove soiled clothing and wash it thoroughly before reuse.

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SECTION 9: PHYSICAL PROPERTIES

Physical State/Appearance:	Clear, Colorless Liquid
Odour:	Sharp/Aromatic
Odour Threshold:	Data not Available
pH:	Not Applicable
Melting /Freezing Point	Data not Available
Boiling Point:	64.7 °C / 148.5 °F
Flash Point (Setaflash Closed Cup):	12 °C / 53.6 °F
Relative Evaporation Rate (Butylacetate=1)	Data not Available
Flammability (solid, gas):	Yes
Explosive Limit:	Data not Available
Vapour Pressure:	Data not Available
Vapour Density:	Data not Available
% Volatiles by Weight:	100
Specific Gravity:	0.87
Solubility in Water:	Partial
Partition Coefficient:	Data not Available
Auto Ignition Temperature:	Data not Available
Decomposition Temperature:	Data not Available
Viscosity:	<20 cps

SECTION 10: STABILITY AND REACTIVITY

Reactivity:	Not normally reactive.
Chemical Stability:	Stable under normal conditions.
Possibility of Hazardous Reactions:	Hazardous polymerization does not occur.
Conditions to Avoid:	Incompatible products. Open flames, sparks, high heat, direct sunlight, and close proximity to incompatible substances. Do not use in areas without adequate ventilation.
Incompatibles:	Acids, oxidizing agents, halogens and halogenated compounds. Metal salts.
Hazardous Decomposition Products:	Carbon monoxide (CO), Formaldehyde

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SECTION 11: TOXICOLOGICAL INFORMATION

Name	LD 50			LC 50		
	mg/kg	Animal	Route	ppm	Animal	Route
Methylbenzene	5580 12,125	Oral Dermal	Rat Rabbit	7585	Rat	Inhalation, 4h
Butanone	2740 6480	Rat Rabbit	Oral Dermal	11,300	Rat	Inhalation, 4h
Ethyl Acetate	5620 18,000	Rat Rabbit	Oral Dermal	45,000 mg/m ³	Mouse	Inhalation, 2h
Methyl Alcohol	>1187 – 2769 17,100	Rat Rabbit	Oral Dermal	128.2 mg/L	Rat	Inhalation, 4h

Acute Toxicity:	See above.
No Test Data for the Mixture On:	Skin corrosion/irritation, eye damage/irritation, skin sensitization, respiratory sensitization, germ cell mutagenicity, carcinogenicity, reproductive toxicity, STOT- single exposure, STOT- repeated exposure, aspiration.
Likely Routes of Exposure:	Inhalation, Skin & Eye, Ingestion, Skin Absorption.
Symptoms/Injuries Eye Exposure:	May cause eye irritation. Symptoms may include stinging, tearing, redness, swelling and blurred vision.
Symptoms/Injuries Skin Exposure:	Causes skin irritation. Symptoms may include redness, edema, drying defatting and cracking of the skin.
Symptoms/Injuries Inhalation:	May cause respiratory tract irritation. Coughing, difficulty breathing, and tightness in chest. May cause headache, nausea, dizziness and other symptoms of central nervous system depression.
Symptoms/Injuries ingestion:	Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea. Aspiration hazard. Aspiration into the lungs during swallowing or subsequent vomiting may cause chemical pneumonitis, which can be fatal.
Potential Chronic Health Effects:	Prolonged exposure can cause central nervous system effects.
Reproductive Effects & Teratogenicity:	Suspected of damaging the unborn child. Contains Toluene. Toluene may cause fetotoxic effects at doses which are not maternally toxic, based on animal data.
Specific Target Organ Effects:	STOT – Single Exposure: Optic Nerve STOT – Repeated Exposure: Kidney, liver, spleen, blood

SECTION 12: ECOLOGICAL INFORMATION

Toxicity:	No test data on mixture.
VOC (g/L):	870
Persistence and Degradability:	Not readily biodegradable.
Bio-accumulative Potential:	No information available.
Mobility in Soil:	Will likely be mobile in the environment due to its volatility.
Other Adverse Effects:	No data available.

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SECTION 13: DISPOSAL CONSIDERATIONS

- Handling for Disposal:** Handle in accordance with good industrial hygiene and safety practice. Refer to protective measures listed in sections 7 and 8.
- Methods of Disposal:** Dispose in accordance with all applicable federal, state, provincial and local regulations.
- RCRA:** If this product, as supplied, becomes a waste in the United States, it may meet the criteria of a hazardous waste as defined under RCRA, Title CFR 261. It is the responsibility of the waste generator to determine the proper waste identification and disposal method. For disposal of unused or waste material, check with local, state and federal environmental agencies.

DO NOT INCINERATE CLOSED CONTAINERS

SECTION 14: TRANSPORTATION INFORMATION

UN Number:	1263
UN Proper Shipping Name:	Paint
Transport Hazard Class:	3
Packing Group:	III
Environmental Hazards:	Toxic to aquatic life with long lasting effects.
Special Precautions for User:	Keep away from heat, sparks and open flame. No smoking.
Transport in Bulk:	Information not available.

SECTION 15: REGULATORY INFORMATION

- Canada:** All components are in compliance with the Canadian environmental protection act and are present on the domestic substances list. This product has been classified in accordance with the hazard criteria of the CPR and the SDS contains all the information required by the CPR.
- USA:**
- TSCA:** All components of this material are on the US TSCA inventory or are exempt.
 - OSHA:** This material is classified as hazardous under OSHA regulation (29CFR 1910.1200).
 - CERCLA:** Reportable quantities (RQ) (40 CFR 117.302). Data not available.
 - SARA TITLE 111:** Sec 302, extremely hazardous substances, 40 CFR 355 - Data not available
 - SARA TITLE 111:** Sec 313, toxic chemical notification, 40 CFR 372 - Data not available

SECTION 16: OTHER INFORMATION

HMIS: Health 2 Flammability 3 Reactivity 0
NFPA: Health 2 Flammability 3 Reactive Instability 0 Special Hazard 0

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DISCLAIMER

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END OF SAFETY DATA SHEET