



# Monarch Oil (Kitchener) Limited

2216 SHIRLEY DRIVE, KITCHENER, ON N2B 3Y1  
DISTRIBUTORS OF PETROLEUM PRODUCTS SINCE 1912  
"YOUR LUBRICANT SPECIALISTS" - INDUSTRIAL - COMMERCIAL - AUTOMOTIVE



Tel. (519) 743-8241  
1-800-268-OILS  
1-800-268-6457  
FAX (519) 743-9802  
BN: 10374 5733  
E-mail: service@monarchoil.com

PRODUCT: XYLENE/XYLOL

SAFETY DATA SHEET

CODE: 960955

## SECTION 01: CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

MANUFACTURER..... CANADA COLORS AND CHEMICALS LIMITED  
152 KENNEDY ROAD SOUTH  
BRAMPTON, ONTARIO  
CANADA  
L6W 3G4  
PRODUCT NAME..... XYLENE/XYLOL  
PRODUCT CODE..... 960955  
CHEMICAL FORMULA..... C6H4(CH3)2.  
CHEMICAL FAMILY..... XYLENES.  
MOLECULAR WEIGHT..... 106.2.  
MATERIAL USE..... SOLVENT.  
EMERGENCY PHONE NO..... (416)-444-2112.

# CC350

## SECTION 02: HAZARDS IDENTIFICATION



SIGNAL WORD..... DANGER.  
HAZARD CLASSIFICATION..... FLAMMABLE LIQUIDS — CATEGORY 3. ACUTE TOXICITY (DERMAL) — CATEGORY 4. ACUTE TOXICITY (INHALATION) — CATEGORY 4. SKIN IRRITATION — CATEGORY 2. EYE IRRITATION — CATEGORY 2B. SPECIFIC TARGET ORGAN TOXICITY — SINGLE EXPOSURE — CATEGORY 3. SPECIFIC TARGET ORGAN TOXICITY — REPEATED EXPOSURE — CATEGORY 2. ASPIRATION HAZARD — CATEGORY 1.  
HAZARD STATEMENT..... H226 FLAMMABLE LIQUID AND VAPOUR. H304 MAY BE FATAL IF SWALLOWED AND ENTERS AIRWAYS. H312 HARMFUL IN CONTACT WITH SKIN. H315 CAUSES SKIN IRRITATION. H320 CAUSES EYE IRRITATION. H332 HARMFUL IF INHALED. H335 MAY CAUSE RESPIRATORY IRRITATION. H373 MAY CAUSE DAMAGE TO ORGANS THROUGH PROLONGED OR REPEATED EXPOSURE .  
PRECAUTIONARY STATEMENT..... P210 KEEP AWAY FROM HEAT/SPARKS/OPEN FLAMES/HOT SURFACES AND OTHER IGNITION SOURCES – NO SMOKING... P233 KEEP CONTAINER TIGHTLY CLOSED. P240 GROUND/BOND CONTAINER AND RECEIVING EQUIPMENT. P241 USE EXPLOSION-PROOF ELECTRICAL/VENTILATING/LIGHTING/.../ EQUIPMENT. P242 USE ONLY NON-SPARKING TOOLS. P243 TAKE PRECAUTIONARY MEASURES AGAINST STATIC DISCHARGE. P260 DO NOT BREATHE DUST/FUME/GAS/MIST/VAPOURS/SPRAY. P264 WASH... THOROUGHLY AFTER HANDLING. P271 USE ONLY OUTDOORS OR IN A WELL-VENTILATED AREA. P280 WEAR PROTECTIVE GLOVES/PROTECTIVE CLOTHING/EYE PROTECTION/FACE PROTECTION. P301+P310 IF SWALLOWED: IMMEDIATELY CALL A POISON CENTER OR DOCTOR/PHYSICIAN. P302+P352 IF ON SKIN: WASH WITH PLENTY OF SOAP AND WATER. P303+P361+P353 IF ON SKIN (OR HAIR): REMOVE/TAKE OFF IMMEDIATELY ALL CONTAMINATED CLOTHING. RINSE SKIN WITH WATER/SHOWER. P304+P312 IF INHALED: CALL A POISON CENTER OR DOCTOR/PHYSICIAN IF YOU FEEL UNWELL. P340 REMOVE VICTIM TO FRESH AIR AND KEEP AT REST IN A POSITION 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. P331 DO NOT INDUCE VOMITING. P332+P313 IF SKIN IRRITATION OCCURS: GET MEDICAL ADVICE/ATTENTION. P337+P313 IF EYE IRRITATION PERSISTS: GET MEDICAL ADVICE/ATTENTION. P362+P364 TAKE OFF CONTAMINATED CLOTHING AND WASH BEFORE REUSE. P370+P378 IN CASE OF FIRE: USE DRY SAND, DRY CHEMICAL OR ALCOHOL RESISTANT FOAM FOR EXTINCTION. P403+P235 STORE IN A WELL-VENTILATED PLACE. KEEP COOL. P405 STORE LOCKED UP. P501 DISPOSE OF CONTENTS/CONTAINER ACCORDING TO ALL APPLICABLE REGULATIONS.  
OTHER HAZARDS..... TOXIC TO AQUATIC LIFE. TOXIC TO AQUATIC LIFE WITH LONG LASTING EFFECTS. VAPOURS CAN ACCUMULATE IN LOW AREAS.

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**SECTION 03: COMPOSITION/INFORMATION ON INGREDIENTS**

HAZARDOUS INGREDIENTS	CAS #	WT. %
XYLENE	1330-20-7	<100
*CONTAINS ETHYLBENZENE, CAS# 100-41-4	100-41-4	

**SECTION 04: FIRST AID MEASURES**

GENERAL ADVICE:.....	CONSULT A PHYSICIAN. SHOW THIS SAFETY DATA SHEET TO THE DOCTOR IN ATTENDANCE. MOVE OUT OF DANGEROUS AREA.
IF INHALED:.....	IF BREATHED IN, MOVE PERSON INTO FRESH AIR. IF NOT BREATHING, GIVE ARTIFICIAL RESPIRATION AND GET MEDICAL ATTENTION. .
IN CASE OF SKIN CONTACT:.....	WASH OFF WITH SOAP AND PLENTY OF WATER. CONSULT A PHYSICIAN.
IN CASE OF EYE CONTACT:.....	WASH EYES WITH COPIOUS AMOUNT OF WATER.
IF SWALLOWED:.....	DO NOT INDUCE VOMITING. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON. RINSE MOUTH WITH WATER. CONSULT A PHYSICIAN. DO NOT LEAVE VICTIM UNATTENDED.

**SECTION 05: FIRE FIGHTING MEASURES**

FLAMMABILITY.....	FLAMMABLE IN THE PRESENCE OF A SOURCE OF IGNITION WHEN THE TEMPERATURE IS ABOVE THE FLASH POINT. KEEP AWAY FROM HEAT/SPARK/OPEN FLAME/HOT SURFACE. NO SMOKING.
SUITABLE EXTINGUISHING MEDIA.....	SUITABLE FOR SURROUNDING FIRE. USE MEDIA SUITABLE FOR SURROUNDING FIRE, SUCH AS WATER SPRAY, DRY CHEMICAL, FOAM.
HAZARDOUS COMBUSTION PRODUCTS. SPECIFIC HAZARDS ARISING FROM THE CHEMICAL	CARBON OXIDES.
SPECIAL PROCEDURES.....	NO DATA AVAILABLE.
	EVACUATE HAZARD AREA. WEAR FULL PROTECTIVE EQUIPMENT INCLUDING A SELF-CONTAINED BREATHING APPARATUS. USE WATER TO COOL CONTAINERS.

**SECTION 06: ACCIDENTAL RELEASE MEASURES**

PERSONAL PRECAUTIONS:.....	USE PERSONAL PROTECTIVE EQUIPMENT. AVOID BREATHING VAPORS, MIST OR GAS. ENSURE ADEQUATE VENTILATION. REMOVE ALL SOURCES OF IGNITION. EVACUATE PERSONNEL TO SAFE AREAS. BEWARE OF VAPOURS ACCUMULATING TO FORM EXPLOSIVE CONCENTRATIONS. VAPOURS CAN ACCUMULATE IN LOW AREAS.
ENVIRONMENTAL PRECAUTIONS:.....	PREVENT FURTHER LEAKAGE OR SPILLAGE IF SAFE TO DO SO. DO NOT LET PRODUCT ENTER DRAINS. DISCHARGE INTO THE ENVIRONMENT MUST BE AVOIDED.
METHODS AND MATERIALS FOR CONTAINMENT AND CLEAN UP:	CONTAIN SPILLAGE AND THEN COLLECT WITH ELECTRICALLY PROTECTED VACUUM CLEANER OR BY WET-BRUSHING AND PLACE IN CONTAINER FOR DISPOSAL ACCORDING TO LOCAL REGULATIONS.

**SECTION 07: HANDLING AND STORAGE**

PRECAUTIONS FOR SAFE HANDLING.....	HANDLE IN ACCORDANCE WITH GOOD INDUSTRIAL HYGIENE AND SAFETY PRACTICES. AVOID CONTACT WITH EYES, SKIN AND CLOTHING. AVOID BREATHING MIST OR VAPOUR. WEAR PROTECTIVE EQUIPMENT DURING HANDLING. USE ADEQUATE VENTILATION. KEEP AWAY FROM HEAT, SPARKS, AND OPEN FLAME. TAKE MEASURES TO PREVENT THE BUILD UP OF ELECTROSTATIC CHARGE.
CONDITIONS FOR SAFE STORAGE.....	KEEP AWAY FROM HEAT, SPARKS, AND OPEN FLAMES. PROTECT CONTAINERS FROM PHYSICAL DAMAGE. KEEP THE CONTAINER TIGHTLY CLOSED WHEN NOT IN USE. CONTAINERS SHOULD BE GROUNDED AND BONDED. STORE AWAY FROM INCOMPATIBLE MATERIALS. STORE IN A COOL AND WELL-VENTILATED AREA. KEEP AWAY FROM FLAMES AND SPARKS. STORE AWAY FROM STRONG OXIDIZERS.

**SECTION 08: EXPOSURE CONTROLS/PERSONAL PROTECTION**

INGREDIENTS	TWA	ACGIH TLV STEL	REL	OSHA PEL STEL	REL	NIOSH
XYLENE	20 ppm	125 ppm				

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## SECTION 08: EXPOSURE CONTROLS/PERSONAL PROTECTION

INGREDIENTS	TWA	ACGIH TLV STEL	PEL	OSHA PEL STEL	REL	NIOSH
*CONTAINS ETHYLBENZENE, CAS# 100-41-4	20 ppm	125 ppm				
ENGINEERING CONTROLS.....	USE GOOD VENTILATION. LOCAL EXHAUST SUGGESTED FOR ENCLOSED SPACES.					
SKIN AND BODY PROTECTION.....	COMPLETE SUIT PROTECTING AGAINST CHEMICALS. THE TYPE OF PROTECTIVE EQUIPMENT MUST BE SELECTED ACCORDING TO THE CONCENTRATION AND AMOUNT OF THE DANGEROUS SUBSTANCE AT THE SPECIFIC WORKPLACE. FLAME RETARDANT ANTISTATIC PROTECTIVE CLOTHING.					
RESPIRATORY PROTECTION.....	USE NIOSH APPROVED SUPPLIED-AIR RESPIRATOR.					
EYE/FACE PROTECTION.....	SPLASH PROOF CHEMICAL GOGGLES. FACE SHIELD.					
HYGIENIC MEASURES.....	USE GOOD PERSONAL HYGIENE PRACTICES. WASH HANDS BEFORE EATING, DRINKING, SMOKING, OR USING TOILET FACILITIES. PROMPTLY REMOVE SOILED CLOTHING AND WASH THOROUGHLY BEFORE REUSE. SHOWER AFTER WORK USING PLENTY OF SOAP AND WATER.					
OTHER/TYPE.....	EYE WASH STATION AND SAFETY SHOWER SHOULD BE LOCATED NEAR THE WORK STATION.					

## SECTION 09: PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE.....	CLEAR COLOURLESS LIQUID.
ODOUR.....	NO DATA AVAILABLE.
ODOUR THRESHOLD.....	NO DATA AVAILABLE.
PH.....	NO DATA AVAILABLE.
MELTING POINT/FREEZING POINT (C).....	-39 C / -54 C (XYLENE).
BOILING POINT.....	136-145 C.
FLASH POINT (C), METHOD.....	25 C (CLOSED CUP).
EVAPORATION RATE.....	13.5 (DIN 53170, DI-ETHYL ETHER=1); 0.76 (ASTM D 3539, NBUAC=1).
FLAMMABILITY (SOLIDS AND GASES).....	NO DATA AVAILABLE.
UPPER FLAMMABLE LIMIT (% BY VOL.)...	7% (V) XYLENE.
LOWER FLAMMABLE LIMIT (% BY VOL.)...	0.9% (V) XYLENE.
VAPOUR PRESSURE.....	24 hPa.
VAPOUR DENSITY (AIR=1).....	>1.
SPECIFIC GRAVITY (WATER=1).....	0.87.
SOLUBILITY IN WATER (% W/W).....	NEGLIGIBLE.
AUTO IGNITION TEMPERATURE.....	432 (C).
PARTITION COEFFICIENT: .....	NO DATA AVAILABLE.
N-OCTANOL/WATER	
DECOMPOSITION TEMPERATURE.....	NO DATA AVAILABLE.
VISCOSITY.....	NO DATA AVAILABLE.

## SECTION 10: STABILITY AND REACTIVITY

REACTIVITY:.....	EXCESSIVE HEAT, SPARKS AND OPEN FLAME.
CHEMICAL STABILITY:.....	STABLE UNDER RECOMMENDED STORAGE CONDITIONS.
POSSIBILITY OF HAZARDOUS REACTIONS.....	VAPOURS MAY FORM EXPLOSIVE MIXTURE WITH AIR.
CONDITIONS TO AVOID:.....	HEAT, SPARKS AND OPEN FLAME.
INCOMPATIBLE MATERIALS : .....	STRONG OXIDIZING AGENTS.
HAZARDOUS DECOMPOSITION PRODUCTS .....	CARBON OXIDES.

## SECTION 11: TOXICOLOGICAL INFORMATION

INGREDIENTS	LC50	LD50
XYLENE	INHALATION-RAT- >20 mg/L	ORAL-RAT- >3523 mg/kg
*CONTAINS ETHYLBENZENE, CAS# 100-41-4		ORAL-RAT- 3500 mg/kg
ACUTE TOXICITY:		
ORAL LD50.....	SEE ABOVE.	
INHALATION LC50.....	SEE ABOVE.	
DERMAL LD50.....	DERMAL-RABBIT: >4200 mg/kg.	
SKIN CORROSION / IRRITATION.....	CAUSES SKIN IRRITATION.	
SERIOUS EYE DAMAGE / EYE IRRITATION .....	CAUSES EYE IRRITATION.	
RESPIRATORY OR SKIN SENSITIZATION.	NOT EXPECTED TO BE A RESPIRATORY OR SKIN SENSITIZER.	

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**SECTION 11: TOXICOLOGICAL INFORMATION**

GERM CELL MUTAGENICITY.....	NO EVIDENCE WAS FOUND OF MUTAGENICITY.
CARCINOGENICITY.....	NOT EXPECTED TO CAUSE CANCER.
REPRODUCTIVE TOXICITY.....	NO EVIDENCE FOUND OF REPRODUCTIVE TOXICITY.
STOT- SINGLE EXPOSURE.....	MAY CAUSE RESPIRATORY IRRITATION.
STOT - REPEAT EXPOSURE.....	MAY CAUSE DAMAGE TO ORGANS THROUGH PROLONGED OR REPEATED EXPOSURE.
ASPIRATION HAZARD.....	MAY BE FATAL IF SWALLOWED AND ENTERS AIRWAYS.
POTENTIAL HEALTH EFFECTS.....	INHALATION - MAY BE HARMFUL IF INHALED. CAUSES RESPIRATORY TRACT IRRITATION. VAPOURS MAY CAUSE DROWSINESS AND DIZZINESS. INGESTION - MAY BE HARMFUL IF SWALLOWED. ASPIRATION HAZARD IF SWALLOWED - CAN ENTER LUNGS AND CAUSE DAMAGE. EYES - MAY CAUSE EYE IRRITATION. SKIN - MAY BE HARMFUL IF ABSORBED THROUGH THE SKIN. MAY CAUSE SKIN IRRITATION.
SIGNS AND SYMPTOMS OF EXPOSURE..	NO DATA AVAILABLE.

**SECTION 12: ECOLOGICAL INFORMATION**

PERSISTENCE AND DEGRADABILITY.....	NO DATA AVAILABLE.
BIOACCUMULATIVE POTENTIAL.....	IS PREDICTED TO BE LOW.
TOXICITY.....	NO DATA AVAILABLE.
MOBILITY IN SOIL.....	NO DATA AVAILABLE.
OTHER ADVERSE EFFECTS.....	TOXIC TO AQUATIC LIFE.

**SECTION 13: DISPOSAL CONSIDERATIONS**

DISPOSAL METHODS:.....	BURN IN AN APPROVED INCINERATOR IN ACCORDANCE WITH ALL APPLICABLE LOCAL, PROVINCIAL AND FEDERAL LAWS AND REGULATIONS.
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**SECTION 14: TRANSPORT INFORMATION**

UN NUMBER.....	1307.
TDG CLASSIFICATION.....	3.
PACKING GROUP.....	II.
SPECIAL SHIPPING INSTRUCTIONS.....	REFER TO TRANSPORTATION OF DANGEROUS GOODS REGULATIONS.

**SECTION 15: REGULATORY INFORMATION**

WHMIS CLASSIFICATION.....	B2, D2A, D2B.
HPR COMPLIANCE.....	THIS PRODUCT HAS BEEN CLASSIFIED IN ACCORDANCE WITH THE HAZARD CRITERIA OF THE HPR AND THE SDS CONTAINS ALL THE INFORMATION REQUIRED BY THE HPR.

**SECTION 16: OTHER INFORMATION**

TSCA- LISTED ON INVENTORY	
N.AV.=NOT AVAILABLE	
PREPARED BY.....	Regulatory Affairs
PREPARATION DATE.....	MAY 04/2017