



CANADA COLORS & CHEMICALS LTD
152 KENNEDY ROAD SOUTH
BRAMPTON, ONTARIO, L6W 3G4
CANADA
(905) 459-1232

PRODUCT: MINERAL SPIRITS REG. #10

CODE: 616268

SECTION 01: CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

MANUFACTURER..... CANADA COLORS & CHEMICALS LTD.
152 KENNEDY ROAD SOUTH
BRAMPTON, ONTARIO
CANADA
L6W 3G4
PRODUCT NAME..... MINERAL SPIRITS REG. #10
PRODUCT CODE..... 616268
CHEMICAL FORMULA..... N.AP.
CHEMICAL FAMILY..... ORGANIC.
MOLECULAR WEIGHT..... N.AV.
MATERIAL USE..... DILUENT. SOLVENT.
EMERGENCY PHONE NO..... (416)-444-2112.

SECTION 02: HAZARDS IDENTIFICATION

HAZARD CLASSIFICATION..... NOT ASSESSED.
SIGNAL WORD..... NOT ASSESSED.
HAZARD STATEMENT..... NOT ASSESSED.
PRECAUTIONARY STATEMENT..... NOT ASSESSED.
OTHER HAZARDS..... NOT ASSESSED.

SECTION 03: COMPOSITION/INFORMATION ON INGREDIENTS

HAZARDOUS INGREDIENTS	CAS #	WT. %
STODDARD SOLVENT **	8052-41-3	100
**CONTAINS:	--	
ETHYLBENZENE	100-41-4	0.1-0.5
NAPHTHALENE	91-20-3	0.1-0.5
NONANE	111-84-2	1-<5
PSEUDOCUMENE (1,2,4-TRIMETHYLBENZENE)	95-63-6	1-<5
XYLENES	1330-20-7	0.1-0.9

SECTION 04: FIRST AID MEASURES

BY ROUTE OF ENTRY..... EYE CONTACT: FLUSH EYES WITH LARGE AMOUNTS OF RUNNING WATER FOR AT LEAST 15 MINUTES. HOLD EYELIDS APART TO ENSURE RINSING OF THE ENTIRE SURFACE OF THE EYE AND LIDS WITH WATER. GET MEDICAL ATTENTION WITHOUT DELAY. IN CASE OF SKIN CONTACT.. FLUSH CONTAMINATED SKIN WITH PLENTY OF WATER. REMOVE CONTAMINATED CLOTHING. WASH SKIN WITH SOAP AND WATER. IF IRRITATION PERSISTS, GET MEDICAL ATTENTION. IN CASE OF INGESTION, OBTAIN MEDICAL ATTENTION IMMEDIATELY. DO NOT INDUCE VOMITING. GUARD AGAINST ASPIRATION INTO LUNGS. PLACE VICTIM IN A STABLE SIDE POSITION AND KEEP WARM. DO NOT GIVE ANYTHING BY MOUTH TO A CONVULSING OR UNCONSCIOUS PERSON. IF VOMITING OCCURS KEEP HEAD BELOW HIPS TO PREVENT ASPIRATION OF LIQUID INTO THE LUNGS. IF INHALED.. REMOVE VICTIM FROM FURTHER EXPOSURE AND RESTORE BREATHING, IF REQUIRED. SEEK MEDICAL ATTENTION.

NOTES TO PHYSICIAN:..... THE MAIN HAZARD FOLLOWING ACCIDENTAL INGESTION IS ASPIRATION OF THE LIQUID INTO THE LUNGS PRODUCING CHEMICAL PNEUMONITIS. CARDIAC ARRYTHMIAS HAVE BEEN REPORTED WITH SOLVENT EXPOSURE. IF MORE THAN 2.0 ML/KG HAS BEEN INGESTED, VOMITING SHOULD BE INDUCED WITH SUPERVISION. IF SYMPTOMS SUCH AS LOSS OF GAG REFLEX, CONVULSIONS OR UNCONSCIOUSNESS OCCUR BEFORE VOMITING, GASTRIC LAVAGE WITH A CUFFED ENDOTRACHEAL TUBE SHOULD BE CONSIDERED.

SECTION 05: FIRE FIGHTING MEASURES

FLAMMABILITY..... REFER TO FLASH POINT.
IF YES, UNDER WHICH CONDITIONS?
EXTINGUISHING MEDIA..... CARBON DIOXIDE, DRY CHEMICAL, ALCOHOL FOAM, WATER FOG. WATER FOG.

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SECTION 05: FIRE FIGHTING MEASURES

HAZARDOUS COMBUSTION PRODUCTS. VAPOUR FORMS AN EXPLOSIVE MIXTURE WITH AIR BETWEEN UPPER AND LOWER FLAMMABLE LIMITS. UNIDENTIFIED ORGANIC COMPOUNDS MAY BE FORMED DURING COMBUSTION. BURNING CAN PRODUCE, CARBON MONOXIDE. CARBON DIOXIDE.

UNUSUAL FIRE AND EXPLOSION VAPOURS ARE HEAVIER THAN AIR AND MAY TRAVEL CONSIDERABLE DISTANCE TO SOURCES OF IGNITION AND FLASH BACK.

HAZARDS DO NOT ENTER CONFINED FIRE SPACE WITHOUT ADEQUATE PROTECTIVE CLOTHING AND AN APPROVED POSITIVE PRESSURE SELF-CONTAINED BREATHING APPARATUS. EXCLUDE AIR. DO NOT USE WATER EXCEPT AS A FOG. PRODUCT WILL FLOAT AND CAN BE REIGNITED ON SURFACE OF WATER. USE WATER SPRAY TO COOL FIRE-EXPOSED CONTAINERS AND STRUCTURES. FIRE FIGHTERS SHOULD WEAR PROPER PROTECTIVE EQUIPMENT.

SPECIAL PROCEDURES.....

SECTION 06: ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS..... PRODUCT IS COMBUSTIBLE. REMOVE ALL SOURCES OF IGNITION AND GROUND ALL EQUIPMENT BEFORE USE. ISOLATE HAZARD AREA AND RESTRICT ACCESS. TRY TO WORK UP WIND OF SPILL. AVOID DIRECT CONTACT WITH MATERIAL. WEAR APPROPRIATE BREATHING APPARATUS (IF APPLICABLE) AND PROTECTIVE CLOTHING. STOP LEAK ONLY IF SAFE TO DO SO. DIKE AND CONTAIN LAND SPILLS; CONTAIN WATER SPILLS BY BOOMING. USE WATER FOG TO KNOCK DOWN VAPOURS; CONTAIN RUN-OFF. FOR LARGE SPILLS REMOVE BY MECHANICAL MEANS AND PLACE IN CONTAINERS. ABSORB RESIDUE OR SMALL SPILLS WITH ABSORBENT MATERIAL AND REMOVE TO NON-LEAKING CONTAINERS FOR DISPOSAL. RECOMMENDED MATERIALS: CLAY OR SAND. FLUSH AREA WITH WATER TO REMOVE TRACE RESIDUE. AVOID DISCHARGE TO SEWERS AND WATERWAYS.

SECTION 07: HANDLING AND STORAGE

PRECAUTIONS FOR SAFE HANDLING..... AVOID CONTACT WITH EYES, SKIN AND CLOTHING. AVOID BREATHING VAPOURS. DO NOT INGEST. WEAR PROTECTIVE EQUIPMENT DURING HANDLING. USE ADEQUATE VENTILATION. KEEP AWAY FROM HEAT, SPARKS, AND OPEN FLAME. HOT SURFACES MAY BE SUFFICIENT TO IGNITE LIQUID EVEN IN THE ABSENCE OF SPARKS OR FLAMES. MAINTAIN PROPER GROUNDING AT ALL TIMES. VAPOURS MAY ACCUMULATE AND TRAVEL TO DISTANT IGNITION SOURCES AND FLASHBACK. EMPTY CONTAINERS ARE HAZARDOUS, MAY CONTAIN FLAMMABLE/EXPLOSIVE DUSTS, LIQUID RESIDUE OR VAPOURS. FOLLOW LABEL WARNINGS EVEN AFTER CONTAINER IS EMPTIED. EXTINGUISH PILOT LIGHTS, CIGARETTES AND TURN OFF OTHER SOURCES OF IGNITION PRIOR TO USE AND UNTIL ALL VAPOURS ARE GONE. NEVER USE PRESSURE TO EMPTY DRUMS - CONTAINER IS NOT A PRESSURE VESSEL. AIR-DRY CONTAMINATED CLOTHING IN A WELL VENTILATED AREA BEFORE LAUNDERING. WASH CONTAMINATED CLOTHING BEFORE RE-USE. HANDLE IN ACCORDANCE WITH GOOD INDUSTRIAL HYGIENE AND SAFETY PRACTICES.

CONDITIONS FOR SAFE STORAGE..... STORE IN A DRY AND WELL-VENTILATED AREA. STORE IN A COOL AREA, AWAY FROM ALL SOURCES OF HEAT AND IGNITION.

SECTION 08: EXPOSURE CONTROLS/PERSONAL PROTECTION

INGREDIENTS	TWA	ACGIH TLV STEL	PEL	OSHA PEL STEL	REL	NIOSH
ETHYLBENZENE	SEE SECTION 11					
NAPHTHALENE	SEE SECTION 11					
NONANE	SEE SECTION 11					
PSEUDOCUMENE (1,2,4-TRIMETHYLBENZENE)	SEE SECTION 11					
XYLENES	SEE SECTION 11					
EXPOSURE LIMIT OF MATERIAL.....	STODDARD SOLVENT: (ACGIH-TWA), 100PPM.					
ENGINEERING CONTROLS.....	GENERAL: HIGHLY RECOMMENDED FOR ALL INDOOR SITUATIONS TO CONTROL FUGITIVE EMISSIONS. ELECTRICAL AND MECHANICAL EQUIPMENT SHOULD BE EXPLOSION-PROOF. LOCAL: ALSO RECOMMENDED WHERE MECHANICAL					

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SECTION 08: EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS.....	VENTILATION IS INEFFECTIVE IN CONTROLLING AIRBORNE CONCENTRATIONS BELOW THE RECOMMENDED OCCUPATIONAL EXPOSURE LIMIT. FOR PERSONNEL ENTRY INTO CONFINED SPACES (I.E. BULK STORAGE TANKS) A PROPER CONFINED SPACE ENTRY PROCEDURE MUST BE FOLLOWED INCLUDING VENTILATION AND TESTING OF TANK ATMOSPHERE. MAKE-UP AIR SHOULD ALWAYS BE SUPPLIED TO BALANCE AIR EXHAUSTED (EITHER GENERALLY OR LOCALLY).
SKIN AND BODY PROTECTION.....	IMPERVIOUS GLOVES. SHOULD BE WORN AT ALL TIMES WHEN HANDLING THIS MATERIAL. CONTACT GLOVE MANUFACTURER FOR SPECIFIC INFORMATION.
RESPIRATORY PROTECTION.....	FOR HIGH AIRBORNE CONCENTRATIONS, USE A NIOSH-APPROVED SUPPLIED-AIR RESPIRATOR, EITHER SELF-CONTAINED OR AIRLINE BREATHING APPARATUS, OPERATED IN POSITIVE PRESSURE MODE. IF EXPOSURE EXCEEDS OCCUPATIONAL EXPOSURE LIMITS, WEAR A NIOSH-APPROVED RESPIRATOR. USE NIOSH APPROVED RESPIRATOR FOR ORGANIC VAPOUR CARTRIDGE IF VAPOR CONCENTRATION EXCEEDS PERMISSIBLE EXPOSURE LIMIT.
EYE/FACE PROTECTION.....	CHEMICAL SPLASH GOGGLES AND FACE SHIELD WHEN POSSIBILITY EXISTS FOR EYE AND FACE CONTACT DUE TO SPLASHING OR SPRAYING OF MATERIAL.
FOOTWEAR/TYPE.....	IMPERVIOUS FOOTWEAR.
CLOTHING/TYPE.....	WEAR IMPERVIOUS PROTECTIVE CLOTHING.
OTHER/TYPE.....	EYE BATH AND SAFETY SHOWER.

SECTION 09: PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE.....	LIQUID.
ODOUR.....	MILD HYDROCARBON ODOUR.
ODOUR THRESHOLD.....	N.AV.
PH.....	2.4.
MELTING POINT (C).....	N.AV.
FREEZING POINT.....	N.AV.
BOILING POINT.....	150-205 (C).
FLASH POINT (C), METHOD.....	43 (C). (ASTM D-56).
EVAPORATION RATE.....	N.AV.
FLAMMABILITY (SOLIDS AND GASES).....	FLAMMABLE.
UPPER FLAMMABLE LIMIT (% BY VOL.)...	5.0.
LOWER FLAMMABLE LIMIT (% BY VOL.)...	0.8.
VAPOUR PRESSURE.....	N.AV.
VAPOUR DENSITY (AIR=1).....	N.AV.
SPECIFIC GRAVITY (WATER=1).....	~0.79.
SOLUBILITY IN WATER (% W/W).....	INSOLUBLE.
COEFFICIENT OF WATER/OIL DIST.....	N.AP.
AUTO IGNITION TEMPERATURE.....	260 (C).
DECOMPOSITION TEMPERATURE.....	N.AV.
VISCOSITY.....	0.5-1.2 (AT 20 C).

SECTION 10: STABILITY AND REACTIVITY

REACTIVITY CONDITIONS?.....	AVOID EXCESSIVE HEAT, OPEN FLAMES AND ALL IGNITION SOURCES.
CHEMICAL STABILITY:	
YES.....	STABLE UNDER NORMAL CONDITIONS OF HANDLING AND STORAGE.
NO, WHICH CONDITIONS?	
POSSIBILITY OF HAZARDOUS REACTIONS	WILL NOT OCCUR.
SENSITIVITY TO STATIC DISCHARGE.....	YES.
SENSITIVITY TO IMPACT.....	N.AV.
COMPATABILITY WITH OTHER SUBSTANCES:	
YES	
REACTIVITY CONDITIONS.....	STRONG OXIDIZING AGENTS.
HAZARDOUS DECOMPOSITION PRODUCTS	CARBON MONOXIDE AND CARBON DIOXIDE ARE PRODUCED ON COMBUSTION.

SECTION 11: TOXICOLOGICAL INFORMATION

INGREDIENTS	LC50	LD50
ETHYLBENZENE	SEE SECTION 11	SEE SECTION 11
NAPHTHALENE	SEE SECTION 11	SEE SECTION 11
NONANE	SEE SECTION 11	SEE SECTION 11
PSEUDOCUMENE (1,2,4-TRIMETHYLBENZENE)	SEE SECTION 11	SEE SECTION 11

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SECTION 11: TOXICOLOGICAL INFORMATION

INGREDIENTS	LC50	LD50
XYLENES	SEE SECTION 11	SEE SECTION 11
LC 50 OF MATERIAL, SPECIES & ROUTE. LD 50 OF MATERIAL, SPECIES & ROUTE.	STODDARD SOLVENT: N.AV. STODDARD SOLVENT: LD50 >5000 MG/KG (ORAL); >3160 MG/KG (SKIN); BASED ON TEST DATA FOR STRUCTURALLY SIMILAR MATERIALS.	
ROUTE OF ENTRY: INHALATION.....	VAPOURS ARE MODERATELY IRRITATING TO RESPIRATORY PASSAGES. IN RARE CASE MAY SENSITIZE HEART MUSCLE CAUSING HEART ARRHYTHMIA.	
INGESTION.....	THE LIQUID WHEN ACCIDENTLY ASPIRATED INTO LUNGS CAN CAUSE A SEVERE INFLAMMATION OF THE LUNG.	
SKIN CORROSION / IRRITATION.....	IRRITATING TO SKIN.	
SKIN ABSORPTION.....	N.AV.	
SERIOUS EYE DAMAGE / EYE IRRITATION IRRITANCY OF MATERIAL.....	VAPOURS ARE MODERATELY IRRITATING TO THE EYES. SEE ABOVE.	
EFFECTS OF ACUTE EXPOSURE.....	SEE ABOVE.	
MEDICAL CONDITIONS AGGRAVATED BY OVEREXPOSURE	PREEXISTING EYE, SKIN AND RESPIRATORY DISORDERS MAY BE AGGRAVATED BY EXPOSURE TO THIS PRODUCT.	
SYNERGISTIC MATERIALS.....	NONE.	
EFFECTS OF CHRONIC EXPOSURE.....	PROLONGED AND REPEATED CONTACT WITH SKIN CAN CAUSE DEFATTING AND DRYING OF THE SKIN RESULTING IN SKIN IRRITATION AND DERMATITIS. PROLONGED EXPOSURE TO HIGH VAPOUR CONCENTRATION CAN CAUSE HEADACHE, DIZZINESS, NAUSEA, AND CENTRAL NERVOUS SYSTEM DEPRESSION.	
CARCINOGENICITY.....	NAPHTHALENE: CAUSES CANCER IN LABORATORY ANIMALS. ETHYLBENZENE IS CONSIDERED CARCINOGENIC.	
REPRODUCTIVE TOXICITY.....	XYLENE MAY AFFECT FETAL DEVELOPMENT.	
SENSITIZING CAPABILITY OF MATERIAL.	NONE.	

SECTION 12: ECOLOGICAL INFORMATION

ENVIRONMENTAL STATEMENT..... DO NOT ALLOW PRODUCT OR RUNOFF FROM FIRE CONTROL TO ENTER STORM OR SANITARY SEWERS, LAKES, RIVERS, STREAMS, OR PUBLIC WATERWAYS. BLOCK OFF DRAINS AND DITCHES. SPILL AREA MUST BE CLEANED AND RESTORE TO ORIGINAL CONDITION OR TO THE SATISFACTION OF AUTHORITIES. HARMFUL.

SECTION 13: DISPOSAL CONSIDERATIONS

WASTE DISPOSAL..... DISPOSE IN ACCORDANCE WITH ALL APPLICABLE FEDERAL, PROVINCIAL, AND LOCAL ENVIRONMENTAL REGULATIONS.

SECTION 14: TRANSPORT INFORMATION

UN NUMBER..... 1268.
TDG CLASSIFICATION..... 3.
PACKING GROUP..... III.
SPECIAL SHIPPING INSTRUCTIONS..... NOT REGULATED IF <450 L.

SECTION 15: REGULATORY INFORMATION

WHMIS CLASSIFICATION..... B3, D2B.
HMIS..... HEALTH: 2. FLAMMABILITY: 2. REACTIVITY: 0.
CPR COMPLIANCE..... THIS PRODUCT HAS BEEN CLASSIFIED IN ACCORDANCE WITH THE HAZARD CRITERIA OF THE CPR AND THE MSDS CONTAINS ALL THE INFORMATION REQUIRED BY THE CPR.

SECTION 16: OTHER INFORMATION

N.AP.=NOT APPLICABLE
N.AV.=NOT AVAILABLE
PREPARED BY..... Regulatory Affairs
PREPARATION DATE..... OCT 06/2015