



Canada Colors and Chemicals Limited

CANADA COLORS & CHEMICALS LTD
80 SCARSDALE ROAD
DON MILLS, ONTARIO, CANADA M3B 2R7
(416)-449-7750

PRODUCT: PARATENE WF

CODE: 242395

Section 01: CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

MANUFACTURER/SUPPLIER..... CANADA COLORS AND CHEMICALS LIMITED
80 SCARSDALE ROAD,
DON MILLS, ONTARIO
M3B 2R7
PREPARED BY..... Regulatory Affairs
PREPARATION DATE..... Sep13/05
PRODUCT NAME..... PARATENE WF
PRODUCT CODE..... 242395
CHEMICAL FORMULA..... BLEND.
MOLECULAR WEIGHT..... BLEND.
MATERIAL USE..... REFER TO TECHNICAL LITERATURE.
EMERGENCY PHONE NO..... (416)-444-2112.

Section 02: COMPOSITION/INFORMATION ON INGREDIENTS

| Hazardous Ingredients | % | Exposure Limit | C.A.S.# | LD/50, Route, Species | LC/50 Route, Species |
|---|-------|----------------|------------|-----------------------|----------------------|
| ALCOHOLS, C6- C10, ETHOXYLATED, SULFATE, AMMONIUM SALTS | 30-60 | SEE SECTION 11 | 68037-05-8 | SEE SECTION 11 | SEE SECTION 11 |
| METHANOL | 10-30 | SEE SECTION 11 | 67-56-1 | SEE SECTION 11 | SEE SECTION 11 |

Section 03: HAZARDS IDENTIFICATION

ROUTE OF ENTRY:
SKIN CONTACT..... FREQUENT OR PROLONGED CONTACT MAY CAUSE IRRITATION, DRYING OR CRACKING OF THE SKIN.
SKIN ABSORPTION..... CONTAINS METHANOL. METHANOL MAY BE ABSORBED BY THE SKIN IN TOXIC OR LETHAL AMOUNTS.
EYE CONTACT..... MAY CAUSE EYE IRRITATION OR BURNS. AVOID DIRECT CONTACT.
INHALATION..... MAY BE IRRITATING TO RESPIRATORY PASSAGES. INHALATION OF HIGH AIRBORNE CONCENTRATIONS CAN IRRITATE MUCOUS MEMBRANES, CAUSE HEADACHES, SLEEPINESS, NAUSEA, CONFUSION, LOSS OF CONSCIOUSNESS, DIGESTIVE AND VISUAL DISTURBANCES AND DEATH.
INGESTION..... HARMFUL IF SWALLOWED. SWALLOWING EVEN SMALL AMOUNTS OF METHANOL CAN CAUSE BLINDNESS AND DEATH. EFFECTS OF SUB LETHAL DOSES MAY BE NAUSEA, HEADACHE, ABDOMINAL PAIN, VOMITING AND VISUAL DISTURBANCES RANGING FROM BLURRED VISION TO LIGHT SENSITIVITY.
EFFECTS OF ACUTE EXPOSURE..... REFER TO ROUTE OF ENTRY.
EFFECTS OF CHRONIC EXPOSURE..... LONG TERM EXPOSURE TO METHANOL HAS BEEN ASSOCIATED WITH HEADACHES, GIDDINESS, CONJUNCTIVITIS, INSOMNIA AND IMPAIRED VISION.

Section 04: FIRST AID MEASURES

INSTRUCTIONS:..... IN CASE OF INHALATION, REMOVE TO FRESH AIR. AID IN BREATHING, IF NECESSARY. SEEK MEDICAL ATTENTION. IN CASE OF SKIN CONTACT.. REMOVE CONTAMINATED CLOTHING AND RINSE WITH WATER FOR 15 MINUTES. GET MEDICAL ATTENTION WITHOUT DELAY. WASH CONTAMINATED CLOTHING BEFORE REUSE. 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. SEEK MEDICAL ATTENTION URGENTLY, PREFERABLY FROM AN OPHTHALMOLOGIST. IN CASE OF INGESTION:.. GIVE LARGE QUANTITIES OF WATER OR MILK. DO NOT INDUCE VOMITING. GET IMMEDIATE MEDICAL ATTENTION.

Section 05: FIRE FIGHTING MEASURES

FLAMMABILITY..... SEE FLASH POINT.
IF YES, UNDER WHICH CONDITIONS?..... EXCESSIVE HEAT, SPARKS AND OPEN FLAME.
EXTINGUISHING MEDIA..... APPLY ALCOHOL-TYPE OR ALL PURPOSE-TYPE FOAM BY MANUFACTURERS' RECOMMENDED TECHNIQUES FOR LARGE FIRES. USE CARBON DIOXIDE OR DRY CHEMICAL MEDIA FOR SMALL FIRES. WATER IS GENERALLY UNSUITABLE AND MAY HELP TO SPREAD THE FIRE.

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Section 05: FIRE FIGHTING MEASURES

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| SPECIAL PROCEDURES..... | ISOLATE FIRE AND DENY UNNECESSARY ENTRY. WEAR FULL PROTECTIVE EQUIPMENT INCLUDING A SELF-CONTAINED BREATHING APPARATUS. DISPERSE VAPOUR WITH WATER SPRAY. APPLY COOLING WATER TO SIDES OF CONTAINERS THAT ARE EXPOSED TO FLAMES UNTIL WELL AFTER FIRE IS OUT. CONTAINERS EXPOSED TO INTENSE HEAT MAY RUPTURE. NOTE:.. CONCENTRATIONS OF GREATER THAN 25% METHANOL IN WATER CAN BE IGNITED. |
| FLASH POINT (C), METHOD..... | 12. |
| AUTO IGNITION TEMPERATURE..... | NOT ESTABLISHED. |
| UPPER FLAMMABLE LIMIT (% BY VOL.)... | N.AV. |
| LOWER FLAMMABLE LIMIT (% BY VOL.)... | N.AV. |
| EXPLOSION DATA..... | N.AV. |
| EXPLOSIVE POWER..... | N.AV. |
| RATE OF BURNING..... | N.AV. |
| SENSITIVITY TO STATIC DISCHARGE..... | YES. |
| SENSITIVITY TO IMPACT..... | N.AV. |
| UNUSUAL FIRE AND EXPLOSION..... | VAPOURS MAY TRAVEL TO A SOURCE OF IGNITION AND FLASH BACK. METHANOL HAZARDS |
| HAZARDOUS COMBUSTION PRODUCTS.. | BURNS WITH A CLEAN CLEAR FLAME THAT IS ALMOST INVISIBLE IN DAYLIGHT. SEE HAZARDOUS DECOMPOSITION PRODUCTS. |

Section 06: ACCIDENTAL RELEASE MEASURES

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| LEAK/SPILL..... | WEAR NIOSH/MSHA APPROVED RESPIRATOR (SELF-CONTAINED BREATHING APPARATUS PREFERRED) AND APPROPRIATE PROTECTIVE EQUIPMENT. AVOID DIRECT CONTACT WITH MATERIAL. ISOLATE HAZARD AREA. ELIMINATE ALL SOURCES OF IGNITION. GROUND ALL EQUIPMENT. FLOOR MAY BECOME SLIPPERY. STOP LEAK ONLY IF SAFE TO DO SO. CONTAIN THE SPILL. PREVENT RUNOFF INTO DRAINS, SEWERS, AND OTHER WATERWAYS. ABSORB WITH SAND OR OTHER NON-COMBUSTIBLE MATERIAL AND PLACE IN CONTAINERS FOR DISPOSAL. AVOID SPLASHING OR MISTING WHICH COULD INCREASE HEALTH HAZARDS. |
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Section 07: HANDLING AND STORAGE

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| HANDLING PROCEDURES AND EQUIPMENT | AVOID CONTACT WITH EYES, SKIN, AND CLOTHING. AVOID INGESTION. AVOID INHALING. WEAR PROTECTIVE EQUIPMENT DURING HANDLING. WASH THOROUGHLY AFTER HANDLING. AVOID CREATING MISTS. USE ADEQUATE VENTILATION. KEEP CONTAINERS CLOSED OR SEALED. KEEP AWAY FROM IGNITION SOURCES. GROUND ALL EQUIPMENT. EMPTY PRODUCT CONTAINERS MAY CONTAIN PRODUCT RESIDUE. VAPOURS MAY ACCUMULATE AND TRAVEL TO DISTANT IGNITION SOURCES AND FLASHBACK. FOLLOW LABEL WARNINGS EVEN AFTER CONTAINER IS EMPTIED. HANDLE IN ACCORDANCE WITH THE REGULAR PROCEDURE. MAINTAIN A GOOD PERSONAL HYGIENE. |
| STORAGE NEEDS..... | STORE AWAY FROM IGNITION SOURCES. STORE AWAY FROM INCOMPATIBLE MATERIALS. |

Section 08: EXPOSURE CONTROLS/PERSONAL PROTECTION

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| GLOVES/ TYPE..... | CHEMICAL IMPERVIOUS GLOVES. CONSULT GLOVE MANUFACTURER TO DETERMINE APPROPRIATE TYPE OF GLOVE FOR GIVEN APPLICATION. |
| RESPIRATORY/TYPE..... | USE NIOSH/MSHA APPROVED RESPIRATORY PROTECTION EQUIPMENT WHEN AIRBORNE EXPOSURE IS EXCESSIVE. |
| EYE/TYPE..... | FACE SHIELD. SPLASH PROOF CHEMICAL GOGGLES. |
| FOOTWEAR/TYPE..... | CHEMICAL RESISTANT. |
| CLOTHING/TYPE..... | WEAR IMPERVIOUS PROTECTIVE CLOTHING. |
| OTHER/TYPE..... | EYE BATH AND SAFETY SHOWER. |
| ENGINEERING CONTROLS..... | EQUIPMENT SHOULD BE EXPLOSION PROOF. PROVIDE SUFFICIENT VENTILATION TO CONTROL EXPOSURE LEVELS BELOW AIRBORNE EXPOSURE LIMITS. |

Section 09: PHYSICAL AND CHEMICAL PROPERTIES

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| PHYSICAL STATE..... | LIQUID. |
| ODOUR..... | CHARACTERISTIC. |
| ODOUR THRESHOLD..... | N.AV. |
| VAPOUR PRESSURE (MMHG)..... | N.AV. |
| VAPOUR DENSITY (AIR=1)..... | N.AV. |
| EVAPORATION RATE..... | N.AV. |
| BOILING POINT..... | 100 C. |
| PH..... | 8-8.5 (2% CONCENTRATION). |
| SPECIFIC GRAVITY (WATER=1)..... | ~0.97. |
| SOLUBILITY IN WATER (% W/W)..... | COMPLETE. |
| COEFFICIENT OF WATER/OIL DIST..... | N.AV. |

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Section 10: STABILITY AND REACTIVITY

CHEMICAL STABILITY:

YES..... PRODUCT STABLE UNDER NORMAL CONDITIONS OF TEMPERATURE AND PRESSURE.

NO, WHICH CONDITIONS?..... HIGH TEMPERATURES.

COMPATABILITY WITH OTHER

SUBSTANCES:

YES

NO, WHICH ONES?..... ORGANICS. METALS. NITROCARBONS, HALOCARBONS. OXIDIZING AGENTS. A VIOLENT REACTION WITH. ACIDS. METHANOL MAY BE CORROSIVE TO LEAD AND ALUMINUM.

REACTIVITY CONDITIONS?..... DO NOT ALLOW CONTACT WITH ACIDS AND METALS SUCH AS ALUMINUM, ZINC AND TIN.

HAZARDOUS PRODUCTS OF OXIDES OF CARBON, NITROGEN AND SULFUR.

DECOMPOSITION

HAZARDOUS POLYMERIZATION..... WILL NOT OCCUR.

Section 11: TOXICOLOGICAL INFORMATION

EXPOSURE LIMIT OF MATERIAL..... METHANOL: 200 PPM (PEL); 250 PPM (STEL).

LC 50 OF MATERIAL, SPECIES & ROUTE.. METHANOL: 64,000 PPM (INHALATION RAT).

LD 50 OF MATERIAL, SPECIES & ROUTE.. METHANOL: 5628 MG/KG (ORAL-RAT); 15.8 G/KG (DERMAL-RABBIT).

CARCINOGENICITY OF MATERIAL..... NOT LISTED BY IARC OR ACGIH.

REPRODUCTIVE EFFECTS..... METHANOL WAS REPORTED TO CAUSE BIRTH DEFECTS IN RATS EXPOSED TO 20,000 PPM.

IRRITANCY OF MATERIAL..... SEE SECTION 03.

SENSITIZING CAPABILITY OF MATERIAL. N.AV.

SYNERGISTIC MATERIALS..... NONE.

Section 12: ECOLOGICAL CONSIDERATIONS

NO DATA AVAILABLE.

Section 13: DISPOSAL CONSIDERATIONS

WASTE DISPOSAL..... IN ACCORDANCE WITH MUNICIPAL, PROVINCIAL AND FEDERAL REGULATIONS. CONTAINERS SHOULD BE CLEANED OF RESIDUAL PRODUCT BEFORE DISPOSAL.

Section 14: TRANSPORT INFORMATION

UN NUMBER..... 1993.

TDG CLASSIFICATION..... 3.

PACKING GROUP..... II.

SPECIAL SHIPPING INSTRUCTIONS..... N.AP.

Section 15: REGULATORY INFORMATION

WHMIS CLASSIFICATION..... B2, D1A, D2B.

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.AV.=NOT AVAILABLE
N.AP.=NOT APPLICABLE