



Canada Colors and Chemicals Limited

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

PRODUCT: PARATENE M361

CODE: 240225

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..... Aug30/05
PRODUCT NAME..... PARATENE M361
PRODUCT CODE..... 240225
CHEMICAL FORMULA..... BLEND.
CHEMICAL FAMILY..... 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
PHOSPHORIC ACID	15-40	SEE SECTION 11	7664-38-2	SEE SECTION 11	SEE SECTION 11
DIPROPYLENE GLYCOL METHYL ETHER	7-13	SEE SECTION 11	34590-94-8	SEE SECTION 11	SEE SECTION 11
CITRIC ACID, ANHYDROUS	1-5	SEE SECTION 11	77-92-9	SEE SECTION 11	SEE SECTION 11

Section 03: HAZARDS IDENTIFICATION

ROUTE OF ENTRY:
SKIN CONTACT..... WILL CAUSE CORROSIVE EFFECTS.
SKIN ABSORPTION..... LOW TOXICITY.
EYE CONTACT..... VAPOUR CAN BE IRRITATING. LIQUID CAN CAUSE SEVERE IRRITATION, REDDENING, SWELLING AND CORNEAL BURNS.
INHALATION..... HIGH VAPOUR/AEROSOL CONCENTRATIONS (GREATER THAN APPROXIMATELY 10 PPM) ARE IRRITATING TO THE EYES AND THE RESPIRATORY TRACT. PROLONGED CONTACT CAN BE CORROSIVE TO THE NOSE, THROAT AND LUNGS.
INGESTION..... CORROSIVE. SWALLOWING MAY BE FATAL. BURNS OR IRREVERSIBLE DAMAGE TO THE MOUTH, THROAT AND DIGESTIVE TRACT.
EFFECTS OF ACUTE EXPOSURE..... REFER TO ROUTE OF ENTRY.
EFFECTS OF CHRONIC EXPOSURE..... SEE ABOVE.

Section 04: FIRST AID MEASURES

INSTRUCTIONS:..... EYE: FLUSH EYES WITH WATER IMMEDIATELY WHILE HOLDING THE EYELIDS OPEN. GET IMMEDIATE MEDICAL ATTENTION. SKIN CONTACT: FLUSH WITH LARGE AMOUNTS OF WATER. USE SOAP IF AVAILABLE. REMOVE CONTAMINATED CLOTHING (INCLUDING SHOES) AND LAUNDRER BEFORE REUSE. GET MEDICAL ATTENTION. INHALATION: REMOVE TO FRESH AIR. IN EMERGENCIES, USE PROPER RESPIRATORY PROTECTION TO IMMEDIATELY REMOVE THE AFFECTED VICTIM FROM EXPOSURE. ADMINISTER ARTIFICIAL RESPIRATION IF BREATHING HAS STOPPED. KEEP AT REST. CALL FOR PROMPT MEDICAL ATTENTION.
INGESTION: DO NOT INDUCE VOMITING. DRINK PLENTY OF WATER IMMEDIATELY TO DILUTE. KEEP AT REST. GET PROMPT MEDICAL ATTENTION.
INSTRUCTIONS:

Section 05: FIRE FIGHTING MEASURES

FLAMMABILITY..... SEE FLASH POINT.
IF YES, UNDER WHICH CONDITIONS?..... N.AP.
EXTINGUISHING MEDIA..... AS REQUIRED FOR SURROUNDING FIRE.
SPECIAL PROCEDURES..... ANY TANK OR CONTAINER SURROUNDED BY FIRE SHOULD BE FLOODED WITH WATER FOR COOLING. FIREFIGHTERS SHOULD WEAR PROTECTIVE EQUIPMENT, SELF-CONTAINED BREATHING APPARATUS.
FLASH POINT (C), METHOD..... N.AP.
AUTO IGNITION TEMPERATURE..... N.AP.
UPPER FLAMMABLE LIMIT (% BY VOL.)... N.AP.
LOWER FLAMMABLE LIMIT (% BY VOL.)... N.AP.
EXPLOSION DATA
EXPLOSIVE POWER..... N.AV.
RATE OF BURNING..... N.AV.

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Section 05: FIRE FIGHTING MEASURES

SENSITIVITY TO STATIC DISCHARGE..... N.AV.
 SENSITIVITY TO IMPACT..... N.AV.
 HAZARDOUS COMBUSTION PRODUCTS.. PHOPHOROUS OXIDE.

Section 06: ACCIDENTAL RELEASE MEASURES

LEAK/SPILL..... WEAR PROTECTIVE CLOTHING AND EQUIPMENT. ISOLATE AREA. CONTAIN THE SPILL. STOP LEAK IF WITHOUT RISK. SOAK UP WITH AN ABSORBANT MATERIAL. PUT IN A CLOSED CONTAINER. (SAND OR CLAY). PREVENT RUNOFF INTO DRAINS, SEWERS, AND OTHER WATERWAYS.

Section 07: HANDLING AND STORAGE

HANDLING PROCEDURES AND AVOID CONTACT WITH EYES, SKIN AND CLOTHING. AVOID BREATHING VAPOURS. DO NOT INGEST. USE ADEQUATE VENTILATION. WEAR PROTECTIVE EQUIPMENT DURING HANDLING. MAINTAIN A GOOD PERSONAL HYGIENE. KEEP CONTAINERS CLOSED OR SEALED. FOLLOW LABEL WARNINGS EVEN AFTER CONTAINER IS EMPTIED. EMPTY PRODUCT CONTAINERS MAY CONTAIN PRODUCT RESIDUE.
 EQUIPMENT
 STORAGE NEEDS..... STORE IN COOL, DRY, WELL VENTILATED AREA. STORE AWAY FROM INCOMPATIBLE MATERIALS.

Section 08: EXPOSURE CONTROLS/PERSONAL PROTECTION

GLOVES/ TYPE..... CHEMICAL RESISTANT GLOVES. CONTACT GLOVE MANUFACTURER FOR SPECIFIC INFORMATION.
 RESPIRATORY/TYPE..... USE NIOSH APPROVED RESPIRATOR FOR ORGANIC VAPOUR CARTIDGE IF VAPOR CONCENTRATION EXCEEDS PERMISSIBLE EXPOSURE LIMIT.
 EYE/TYPE..... GLASSES WITH SIDE SHIELDS. FACE SHIELD.
 FOOTWEAR/TYPE..... CHEMICAL RESISTANT.
 CLOTHING/TYPE..... WEAR IMPERVIOUS PROTECTIVE CLOTHING.
 OTHER/TYPE..... EYE BATH AND SAFETY SHOWER.
 ENGINEERING CONTROLS..... GOOD GENERAL VENTILATION SHOULD BE USED. CONCENTRATIONS IN AIR SHOULD BE MAINTAINED BELOW THE RECOMMENDED THRESHOLD LIMIT VALUE IF UNPROTECTED PERSONNEL ARE INVOLVED.

Section 09: PHYSICAL AND CHEMICAL PROPERTIES

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..... N.AV.
 FREEZING POINT..... 0.
 PH..... 1.
 SPECIFIC GRAVITY (WATER=1)..... ~1.21.
 SOLUBILITY IN WATER (% W/W)..... COMPLETE.
 COEFFICIENT OF WATER/OIL DIST..... N.AV.

Section 10: STABILITY AND REACTIVITY

CHEMICAL STABILITY:
 YES..... STABLE.
 NO, WHICH CONDITIONS?
 COMPATABILITY WITH OTHER
 SUBSTANCES:
 YES
 NO, WHICH ONES?..... OXIDIZING AGENTS.
 REACTIVITY CONDITIONS?..... EXCESSIVE TEMPERATURES.
 HAZARDOUS PRODUCTS OF SEE HAZARDOUS COMBUSTION PRODUCTS.
 DECOMPOSITION
 HAZARDOUS POLYMERIZATION..... WILL NOT OCCUR.

Section 11: TOXICOLOGICAL INFORMATION

EXPOSURE LIMIT OF MATERIAL..... PHOSPHORIC ACID: ACGIH TWA: 1 MG/M3, ACGIH STEL: 3 MG/M3. DIPROPYLENE GLYCOL MONOMETHYL ETHER: 8 HR/TWA, SKIN: 100 PPM, 606 MG/M3; 15 MIN/STEL, SKIN: 150 PPM, 909 MG/M3.
 LC 50 OF MATERIAL, SPECIES & ROUTE.. N.AV.

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Section 11: TOXICOLOGICAL INFORMATION

LD 50 OF MATERIAL, SPECIES & ROUTE.. DIPROPYLENE GLYCOL MONOMETHYL ETHER: 5350 MG/KG (ORAL-RAT), 9500 MG/KG (DERMAL-RABBIT). PHOSPHORIC ACID: 1530 MG/KG ORAL-RAT; 2740 MG/KG DERMAL-RABBIT. CITRIC ACID: 6730 MG/KG (ORAL-RAT).

CARCINOGENICITY OF MATERIAL..... NONE KNOWN.
 REPRODUCTIVE EFFECTS..... NONE KNOWN.
 IRRITANCY OF MATERIAL..... SEE SECTION 03.
 SENSITIZING CAPABILITY OF MATERIAL. SEE SECTION 03.
 SYNERGISTIC MATERIALS..... NONE KNOWN.

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..... 1760.
 TDG CLASSIFICATION..... 8.
 PACKING GROUP..... III.
 SPECIAL SHIPPING INSTRUCTIONS..... N.AP.

Section 15: REGULATORY INFORMATION

WHMIS CLASSIFICATION..... D2B, E.
 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