



Canada Colors and Chemicals Limited

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

PRODUCT: PARATENE S-700**CODE: 242419****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..... Dec22/05
PRODUCT NAME..... PARATENE S-700
PRODUCT CODE..... 242419
CHEMICAL FORMULA..... 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
POTASSIUM HYDROXIDE	10-30	SEE SECTION 11	1310-58-3	SEE SECTION 11	SEE SECTION 11
TETRASODIUM SALT OF ETHYLENE-DIAMINETETRAACETIC ACID	1-5	SEE SECTION 11	64-02-8	SEE SECTION 11	SEE SECTION 11

Section 03: HAZARDS IDENTIFICATION

ROUTE OF ENTRY:
SKIN CONTACT..... CORROSIVE. CONTACT WITH CONCENTRATED SOLUTIONS MAY CAUSE SERIOUS BURNS TO HUMAN TISSUE.
SKIN ABSORPTION..... N.A.V.
EYE CONTACT..... WILL CAUSE SEVERE TO PERMANENT INJURY.
INHALATION..... MIST MAY CAUSE INJURY TO ENTIRE RESPIRATORY TRACT.
INGESTION..... DAMAGES THROAT AREA AND GASTRO- RESPIRATORY TRACT.
EFFECTS OF ACUTE EXPOSURE..... SEE ROUTE OF ENTRY.
EFFECTS OF CHRONIC EXPOSURE..... CAUSES BURNS. HARMFUL OR FATAL IF INHALED OR SWALLOWED.

Section 04: FIRST AID MEASURES

INSTRUCTIONS:..... INHALATION: REMOVE FROM EXPOSURE. ADMINISTER ARTIFICIAL RESPIRATION IF BREATHING HAS STOPPED. KEEP AT REST. GET MEDICAL HELP. SKIN CONTACT: FLUSH WITH LARGE AMOUNT OF WATER FOR 15 MINUTES, THEN WASH WITH SOAP AND WATER. REMOVE CONTAMINATED CLOTHING AND FOOTWEAR. GET MEDICAL ATTENTION WITHOUT DELAY. EYE CONTACT: FLUSH EYES WITH A LARGE AMOUNT OF WATER FOR AT LEAST 15 MINUTES. SEEK MEDICAL ATTENTION URGENTLY, PREFERABLY FROM AN OPHTHALMOLOGIST. INGESTION: DRINK PLENTY OF WATER. DO NOT INDUCE VOMITING. GET PROMPT MEDICAL ATTENTION.

Section 05: FIRE FIGHTING MEASURES

FLAMMABILITY..... SEE FLASH POINT.
IF YES, UNDER WHICH CONDITIONS?
EXTINGUISHING MEDIA..... SUITABLE FOR SURROUNDING FIRE.
SPECIAL PROCEDURES..... WEAR CLOTHING AND EQUIPMENT TO AVOID BODY CONTACT.
FLASH POINT (C), METHOD..... NONE.
AUTO IGNITION TEMPERATURE..... NON COMBUSTIBLE.
UPPER FLAMMABLE LIMIT (% BY VOL.)... NONE.
LOWER FLAMMABLE LIMIT (% BY VOL.)... NONE.
EXPLOSION DATA..... N.A.V.
EXPLOSIVE POWER..... N.A.V.
RATE OF BURNING..... N.A.V.
SENSITIVITY TO STATIC DISCHARGE..... N.A.V.
SENSITIVITY TO IMPACT..... N.A.V.
UNUSUAL FIRE AND EXPLOSION HAZARDS..... THIS MATERIAL IS CORROSIVE TO ALL HUMAN TISSUE. IT WILL REACT VIOLENTLY WITH MANY ORGANIC CHEMICALS, ESPECIALLY NITROCARBONS AND CHLOROCARBONS. CAUSTIC POTASH REACTS WITH ZINC, ALUMINUM, TIN, AND OTHER ACTIVE METALS LIBERATING FLAMMABLE HYDROGEN GAS. DILUTION WITH WATER EVOLVES LARGE AMOUNT OF HEAT.
HAZARDOUS COMBUSTION PRODUCTS.. SEE HAZARDOUS DECOMPOSITION PRODUCTS.

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Section 06: ACCIDENTAL RELEASE MEASURES

LEAK/SPILL..... PROTECTIVE CLOTHING AND EQUIPMENT MUST BE WORN BY CLEAN-UP PERSONNEL. CONTAIN SPILLAGE OR LEAK IN SUITABLE CONTAINER OR CONTAIN IN A HOLDING AREA. DO NOT ALLOW DRAINAGE TO SEWERS, STREAMS OR STORM CONDUITS. AVOID SPLASHING OR MISTING WHICH COULD INCREASE HEALTH HAZARDS.

NOTE..... PLANNING AHEAD IS ESSENTIAL FOR HANDLING SPILLS. PROPER EQUIPMENT AND TRAINED EMPLOYEES SHOULD BE READILY AVAILABLE TO CORRECT A SPILL SITUATION.

Section 07: HANDLING AND STORAGE

HANDLING PROCEDURES AND AVOID CONTACT WITH EYES, SKIN, AND CLOTHING. AVOID BODY CONTACT. EQUIPMENT WEAR PROTECTIVE EQUIPMENT DURING HANDLING. AVOID CREATING MISTS. USE ADEQUATE VENTILATION. KEEP CONTAINERS CLOSED OR SEALED. EMPTY PRODUCT CONTAINERS MAY CONTAIN PRODUCT RESIDUE. FOLLOW LABELED WARNINGS EVEN AFTER CONTAINER IS EMPTIED. ALWAYS ADD PRODUCT TO WATER WITH CONSTANT AGITATION. HEAT IS GENERATED BY DILUTION. HANDLE IN ACCORDANCE WITH GOOD INDUSTRIAL HYGIENE AND SAFETY PRACTICES.

STORAGE NEEDS..... STORE IN COOL DRY, WELL VENTILATED AREA.

Section 08: EXPOSURE CONTROLS/PERSONAL PROTECTION

GLOVES/ TYPE..... CHEMICAL IMPERVIOUS GLOVES. CONTACT GLOVE MANUFACTURER FOR SPECIFIC INFORMATION.

RESPIRATORY/TYPE..... NONE IS NORMALLY REQUIRED, HOWEVER, IF MISTING OR HEAVY VAPOUR FORMATION SHOULD OCCUR, A NIOSH APPROVED MIST RESPIRATOR SHOULD BE WORN.

EYE/TYPE..... CHEMICAL SPLASH GOGGLES AND FACE SHIELD.

FOOTWEAR/TYPE..... CHEMICAL RESISTANT.

CLOTHING/TYPE..... IMPERVIOUS CLOTHING MUST BE WORN BY EMPLOYEES WHEN SKIN CONTACT COULD OCCUR.

OTHER/TYPE..... SAFETY EYEWASH/SHOWER STATIONS MUST BE AVAILABLE IN THE WORK AREA.

ENGINEERING CONTROLS..... PROVIDE ADEQUATE VENTILATION TO MEET TLV REQUIREMENTS.

Section 09: PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE..... LIQUID.

ODOUR..... NO ODOUR.

ODOUR THRESHOLD..... N.AV.

VAPOUR PRESSURE (MMHG)..... N.AV.

VAPOUR DENSITY (AIR=1)..... N.AV.

EVAPORATION RATE..... <1.

BOILING POINT..... INITIAL 100 C.

FREEZE/SOLIDIFICATION..... -14 C.

PH..... 14.

SPECIFIC GRAVITY (WATER=1)..... 1.21. (AT 15.5 C).

SOLUBILITY IN WATER (% W/W)..... COMPLETE.

COEFFICIENT OF WATER/OIL DIST..... N.AV.

Section 10: STABILITY AND REACTIVITY

CHEMICAL STABILITY:..... STABLE UNDER NORMAL CONDITIONS.

YES

NO, WHICH CONDITIONS?..... DO NOT ALLOW CONTACT WITH ACIDS AND METALS AS ALUMINUM, ZINC AND TIN.

COMPATABILITY WITH OTHER SUBSTANCES:

YES

NO, WHICH ONES?..... ORGANICS CHEMICALS, METALS OR ALLOYS MENTIONED ABOVE.

REACTIVITY CONDITIONS?..... AS ABOVE.

HAZARDOUS PRODUCTS OF FLAMMABLE HYDROGEN GAS MAY BE GENERATED WHEN (KOH) POTASSIUM HYDROXIDE AND CERTAIN METALS REACT.

HAZARDOUS POLYMERIZATION..... WILL NOT POLYMERIZE.

Section 11: TOXICOLOGICAL INFORMATION

EXPOSURE LIMIT OF MATERIAL..... POTASSIUM HYDROXIDE: 2 MG/M3 (ACGIH TLV).

LC 50 OF MATERIAL, SPECIES & ROUTE.. N.AV.

LD 50 OF MATERIAL, SPECIES & ROUTE.. POTASSIUM HYDROXIDE: 365 MG/KG (ORAL-RAT). TETRASODIUM SALT OF ETHYLENEDIAMINETETRAACETIC ACID: 3030 MG/KG (ORAL-RAT); >5000 MG/KG (SKIN ABSORPTION-RABBIT).

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

REPRODUCTIVE EFFECTS..... NOT LISTED.

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Section 11: TOXICOLOGICAL INFORMATION

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.

Section 14: TRANSPORT INFORMATION

UN NUMBER..... 1760.
TDG CLASSIFICATION..... 8.
PACKING GROUP..... II.
SPECIAL SHIPPING INSTRUCTIONS..... N.AP.

Section 15: REGULATORY INFORMATION

WHMIS CLASSIFICATION..... D1B, 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