



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

PRODUCT : RHOPLEX 1950 EMULSION

CODE: 774035

SECTION 01: CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

MANUFACTURER.....ROHM AND HAAS CANADA INC.
2 MANSE ROAD,
WEST HILL, ONTARIO
CANADA ; M1E 3T9

PREPARED BY.....ENVIRONMENTAL & REGULATORY AFFAIRS DEPARTMENT
PREPARATION DATE.....APR 30/1999
PRODUCT NAME:.....RHOPLEX 1950 EMULSION
PRODUCT CODE:.....774035
CHEMICAL FORMULA.....N.AV.
MOLECULAR WEIGHT.....N.AP. POLYMER
CHEMICAL FAMILY.....ACRYLIC POLYMER
MATERIAL USE.....COATINGS, TEXTILES, BINDERS AND ADHESIVES
EMERGENCY PHONE NO.....(416)-444-2112

SECTION 02: COMPOSITION/INFORMATION ON INGREDIENTS

HAZARDOUS INGREDIENTS	EXPOSURE LEVELS	LD/50, ROUTE, SPECIES	LC/50, ROUTE, SPECIES
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NO REGULATED COMPONENTS

SECTION 03: HAZARDS IDENTIFICATION

ROUTE OF ENTRY:
SKIN CONTACT.....PROLONGED OR REPEATED EXPOSURE MAY CAUSE SKIN IRRITATION.
SKIN ABSORPTION
EYE CONTACT.....DIRECT CONTACT CAN CAUSE SLIGHT IRRITATION.
INHALATION.....INHALATION OF VAPOUR OR MIST CAN CAUSE IRRITATION OF NOSE,
THROAT AND LUNGS. HEADACHE, NAUSEA.

INGESTION
EFFECTS OF ACUTE EXPOSURE.....SEE ABOVE
EFFECTS OF CHRONIC EXPOSURE.....NO DATA AVAILABLE

SECTION 04: FIRST AID MEASURES

INSTRUCTIONS:.....IN CASE OF INHALATION, REMOVE TO FRESH AIR. 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. IF IRRITATION PERSISTS, GET
MEDICAL ATTENTION. WASH SKIN WITH SOAP AND WATER. IF
IRRITATION PERSISTS, GET MEDICAL ATTENTION. IF INGESTED,
HAVE VICTIM DRINK TWO GLASSES OF WATER. CONSULT A
PHYSICIAN. NEVER GIVE ANYTHING BY MOUTH IF THE VICTIM IS
UNCONSCIOUS.

NOTES TO PHYSICIAN:.....N.AV.

SECTION 05: FIRE FIGHTING MEASURES

FLAMMABILITY.....NOT FLAMMABLE
IF YES, UNDER WHICH
CONDITIONS?
EXTINGUISHING MEDIA.....SUITABLE FOR SURROUNDING FIRE.
SPECIAL PROCEDURES.....WEAR FULL PROTECTIVE EQUIPMENT INCLUDING A SELF-CONTAINED
BREATHING APPARATUS.
FLASH POINT (C), METHOD.....NOT FLAMMABLE

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SECTION 05: FIRE FIGHTING MEASURES

AUTO IGNITION TEMPERATURE.....N.AP.
UPPER FLAMMABLE LIMIT (% BY.....N.AP.
VOL.)
LOWER FLAMMABLE LIMIT (% BY.....N.AP.
VOL.)
EXPLOSION DATA
EXPLOSIVE POWER.....N.AV.
RATE OF BURNING.....N.AV.
SENSITIVITY TO STATIC.....N.AV.
DISCHARGE
SENSITIVITY TO IMPACT.....N.AV.
UNUSUAL FIRE AND EXPLOSION.....MATERIAL CAN SPLATTER ABOVE 100(C). DRIED PRODUCT CAN BURN.
HAZARDS
HAZARDOUS COMBUSTION PRODUCTS....THERMAL DECOMPOSITION MAY YIELD ACRYLIC MONOMERS.

SECTION 06: ACCIDENTAL RELEASE MEASURES

LEAK/SPILL.....WEAR PROTECTIVE EQUIPMENT. EVACUATE ALL NON-ESSENTIAL PERSONNEL. FLOOR MAY BECOME SLIPPERY. USE CARE TO AVOID FALLING. CONTAIN SPILLS IMMEDIATELY WITH INERT MATERIALS (E.G., SAND, EARTH). TRANSFER LIQUIDS AND SOLID DIKING MATERIAL TO SEPARATE SUITABLE CONTAINERS FOR RECOVERY OR DISPOSAL. PREVENT RUNOFF INTO DRAINS, SEWERS, AND OTHER WATERWAYS.

SECTION 07: HANDLING AND STORAGE

HANDLING PROCEDURES AND.....KEEP FROM FREEZING. THIS MATERIAL CAN RELEASE MONOMER EQUIPMENT VAPOURS OR GASES WHEN HEATED TO HIGH TEMPERATURES DURING PROCESSING, CUTTING OR MACHINING. THIS MATERIAL CONTAINS TRACE LEVELS OF FORMALDEHYDE IN THE AQUEOUS PHASE. THE PRODUCT WILL GENERATE ADDITIONAL FORMALDEHYDE UPON CURE. LACK OF ADEQUATE VENTILATION MAY RESULT IN AIRBORNE LEVELS OF FORMALDEHYDE ABOVE ESTABLISHED EXPOSURE LIMITS IN THE WORKPLACE. MONITORING THE WORKPLACE TO DETERMINE ACTUAL FORMALDEHYDE LEVELS IS RECOMMENDED. NOTE: FORMALDEHYDE WILL BE GENERATED UNDER ACIDIC CONDITIONS. MAINTAIN ADEQUATE VENTILATION UNDER THESE CONDITIONS TO PREVENT EXPOSURE TO FORMALDEHYDE ABOVE THE ROHM AND HAAS CO. RECOMMENDED CEILING OF 0.3 PPM. USE ADEQUATE VENTILATION. HANDLE IN ACCORDANCE WITH GOOD INDUSTRIAL HYGIENE AND SAFETY PRACTICES.
STORAGE NEEDS.....KEEP FROM FREEZING. MATERIAL MAY COAGULATE. 1-49(C)

SECTION 08: EXPOSURE CONTROLS/PERSONAL PROTECTION

GLOVES/ TYPE.....IMPERVIOUS GLOVES (NEOPRENE).
RESPIRATORY/TYPE.....A RESPIRATORY PROTECTION PROGRAM MEETING OSHA 1910.134 AND ANIS Z88.2 REQUIREMENTS MUST BE FOLLOWED WHENEVER WORKPLACE CONDITIONS WARRANT A RESPIRATOR'S USE. NONE REQUIRED IF AIRBORNE CONCENTRATIONS ARE MAINTAINED BELOW THE EXPOSURE LIMIT. NONE REQUIRED UNDER NORMAL OPERATING CONDITIONS. FOR AIRBORNE CONCENTRATIONS UP TO 10 TIMES THE TLV, WEAR A MSHA/NIOSH APPROVED (OR EQUIVALENT) HALF-MASK, AIR-PURIFYING RESPIRATOR. AIR-PURIFYING RESPIRATORS SHOULD BE EQUIPPED WITH FORMALDEHYDE CARTRIDGES.
EYE/TYPE.....SPLASH PROOF CHEMICAL GOGGLES
FOOTWEAR/TYPE.....NO SPECIAL REQUIREMENTS.
CLOTHING/TYPE.....WEAR ADEQUATE PROTECTIVE CLOTHES.
OTHER/TYPE.....EYE BATH AND SAFETY SHOWER.

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SECTION 08: EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS.....USE LOCAL EXHAUST VENTILATION WITH A MINIMUM CAPTURE VELOCITY OF 100 FT/MIN (0.5 M/SEC) AT THE POINT OF VAPOR EVOLUTION.

SECTION 09: PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE.....LIQUID
ODOUR.....ACRYLIC
ODOUR THRESHOLD.....N.AV.
VAPOUR PRESSURE (MMHG).....17
VAPOUR DENSITY (AIR=1).....<1
EVAPORATION RATE.....<1
BOILING POINT.....100 C
PH
SPECIFIC GRAVITY (WATER=1).....1.0 - 1.2
SOLUBILITY IN WATER (% W/W).....WATER DILUTABLE
COEFFICIENT OF WATER/OIL DIST....N.AV.

SECTION 10: STABILITY AND REACTIVITY

CHEMICAL STABILITY:
YES.....PRODUCT STABLE UNDER NORMAL CONDITIONS
NO, WHICH CONDITIONS?.....POLYMER DECOMPOSES ABOVE 177 C. THERMAL DECOMPOSITION IS DEPENDENT ON TIME AND TEMPERATURE.

COMPATABILITY WITH OTHER SUBSTANCES:
YES
NO, WHICH ONES?.....NONE KNOWN.

REACTIVITY CONDITIONS?.....EXCESSIVE HEAT.

HAZARDOUS PRODUCTS OF.....THERMAL DECOMPOSITION MAY YIELD:. ACRYLIC MONOMERS.
DECOMPOSITION
HAZARDOUS POLYMERIZATION.....WILL NOT OCCUR

SECTION 11: TOXICOLOGICAL INFORMATION

EXPOSURE LIMIT OF MATERIAL.....SEE SECTION 02
LC 50 OF MATERIAL, SPECIES &.....N.AV.
ROUTE
LD 50 OF MATERIAL, SPECIES &.....CLOSELY RELATED PRODUCT:. >5000 MG/KG (ORAL-RAT).
ROUTE (DERMAL-RABBIT)
CARCINOGENICITY OF MATERIAL.....FORMALDEHYDE IS CARCINOGENIC TO ANIMALS, AND IS A PROBABLE HUMAN CARCINOGEN.
REPRODUCTIVE EFFECTS.....N.AV.
IRRITANCY OF MATERIAL.....EYE IRRITATION:. INCONSEQUENTIAL IRRITATION. SKIN IRRITATION:. PRACTICALLY NON-IRRITATING. (EYES, SKIN - RABBIT)
SENSITIZING CAPABILITY OF.....NONE KNOWN
MATERIAL
SYNERGISTIC MATERIALS.....N.AV.

SECTION 12: ECOLOGICAL CONSIDERATIONS**SECTION 13: DISPOSAL CONSIDERATIONS**

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SECTION 13: DISPOSAL CONSIDERATIONS

WASTE DISPOSAL.....COAGULATE THE EMULSION BY THE STEPWISE ADDITION OF FERRIC CHLORIDE AND LIME. REMOVE THE CLEAR SUPERNATANT AND FLUSH TO A CHEMICAL SEWER. INCINERATE IN A FURNACE IN RESPECT TO PROVINCIAL, FEDERAL AND MUNICIPAL REGULATIONS.

SECTION 14: TRANSPORT INFORMATION

UN NUMBER.....N.AP.
T.D.G. CLASSIFICATION.....NOT REGULATED
PACKING GROUP.....N.AP.
SPECIAL SHIPPING INSTRUCTIONS....N.AP.

SECTION 15: REGULATORY INFORMATION

WHMIS CLASSIFICATION.....THIS IS NOT A CONTROLLED PRODUCT
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