



Canada Colors and Chemicals Limited

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

PRODUCT: RUBBER REJUVENATOR

CODE: 240585

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..... Jan04/05
PRODUCT NAME..... RUBBER REJUVENATOR
PRODUCT CODE..... 240585
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
ACETONE	10-30	SEE SECTION 11	67-64-1	SEE SECTION 11	SEE SECTION 11
METHANOL	10-30	SEE SECTION 11	67-56-1	SEE SECTION 11	SEE SECTION 11
TOLUENE	30-60	SEE SECTION 11	108-88-3	SEE SECTION 11	SEE SECTION 11
XYLENE (MIXED ISOMERS)	0.1-1	SEE SECTION 11	1330-20-7	SEE SECTION 11	SEE SECTION 11

Section 03: HAZARDS IDENTIFICATION

ROUTE OF ENTRY:
SKIN CONTACT..... IRRITANT.
SKIN ABSORPTION..... MAY BE ABSORBED THROUGH THE SKIN IN TOXIC OR LETHAL AMOUNTS.
EYE CONTACT..... IRRITANT. VAPOURS ARE MODERATELY IRRITATING TO THE EYES.
INHALATION..... NOSE AND THROAT IRRITATION. VAPOURS MAY CAUSE RESPIRATORY TRACT IRRITATION, NAUSEA, HEADACHE, AND DIZZINESS.
INGESTION..... MAY BE FATAL OR CAUSE BLINDNESS IF SWALLOWED. SWALLOWING EVEN SMALL AMOUNTS OF METHANOL CAN CAUSE BLINDNESS AND DEATH. ASPIRATION HAZARD - THIS MATERIAL CAN ENTER LUNGS DURING SWALLOWING OR VOMITING AND CAUSE LUNG INFLAMMATION AND DAMAGE.
EFFECTS OF ACUTE EXPOSURE..... REFER TO ROUTE OF ENTRY.
EFFECTS OF CHRONIC EXPOSURE..... PROLONGED AND REPEATED CONTACT WITH SKIN CAN CAUSE DEFATTING AND DRYING OF THE SKIN RESULTING IN SKIN IRRITATION AND DERMATITIS. VAPOURS ARE MODERATELY IRRITATING TO THE EYES AND RESPIRATORY PASSAGES. THE LIQUID WHEN ACCIDENTALLY ASPIRED INTO THE LUNGS CAN CAUSE A SEVERE INFLAMMATION OF THE LUNG. IN RARE CASES MAY SENSITIZE HEART MUSCLE CAUSING HEART ARRHYTHMIA. SOLVENT ABUSERS EXPOSED TO HIGH DOSES OF AROMATIC SOLVENTS(EG.TOLUENE/XYLENE) SHOW SIGNS OF HEARING LOSS AS WELL AS DAMAGE TO THE BRAIN, LIVER, AND KIDNEY. METHANOL: REPEATED EXPOSURE BY INHALATION OR ABSORPTION MAY CAUSE SYSTEMIC POISONING, IMPAIRED VISION, BLINDNESS. INHALATION MAY WORSEN CONDITIONS SUCH AS EMPHYSEMA OR BRONCHITIS.

Section 04: FIRST AID MEASURES

INSTRUCTIONS:..... 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. IF IRRITATION OR DISCOMFORT OCCURS, CONSULT A PHYSICIAN IMMEDIATELY. IN CASE OF SKIN CONTACT.. FLUSH CONTAMINATED SKIN WITH PLENTY OF WATER. IF IRRITATION DEVELOPS, CONSULT A PHYSICIAN. IN CASE OF INHALATION, REMOVE TO FRESH AIR. AID IN BREATHING, IF NECESSARY. CONSULT A PHYSICIAN. IN CASE OF INGESTION, IF CONSCIOUS AND MEDICAL AID IS NOT IMMEDIATELY AVAILABLE, DILUTE STOMACH CONTENTS BY GIVING LARGE AMOUNTS OF WATER OR MILK AND INDUCE VOMITING. GET MEDICAL ATTENTION WITHOUT DELAY.

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Section 05: FIRE FIGHTING MEASURES

FLAMMABILITY..... YES.
 IF YES, UNDER WHICH CONDITIONS?..... EXCESSIVE HEAT, SPARKS AND OPEN FLAME.
 EXTINGUISHING MEDIA..... CARBON DIOXIDE, DRY CHEMICAL, ALCOHOL FOAM, WATER FOG. WATER.
 SPECIAL PROCEDURES..... FIREFIGHTERS SHOULD WEAR SELF-CONTAINED BREATHING APPARATUS.
 FLASH POINT (C), METHOD..... -18 AS PER ACETONE.
 AUTO IGNITION TEMPERATURE..... N.AV.
 UPPER FLAMMABLE LIMIT (% BY VOL.).... 36.
 LOWER FLAMMABLE LIMIT (% BY VOL.)... 1.
 EXPLOSION DATA
 EXPLOSIVE POWER..... N.AV.
 RATE OF BURNING..... N.AV.
 SENSITIVITY TO STATIC DISCHARGE..... N.AV.
 SENSITIVITY TO IMPACT..... N.AV.
 NOTE..... METHANOL BURNS WITH A CLEAN CLEAR FALME THAT IS ALMOST INVISIBLE IN DAYLIGHT.
 HAZARDOUS COMBUSTION PRODUCTS.. OXIDES OF CARBON (CO,CO2).

Section 06: ACCIDENTAL RELEASE MEASURES

LEAK/SPILL..... EXTREMELY FLAMMABLE. ELIMINATE ALL SOURCES OF IGNITION. WEAR A BREATHING APPARATUS. WEAR PROTECTIVE EQUIPMENT INCLUDING POSITIVE PRESSURE SELF CONTAINED OR AIR SUPPLIED BREATHING APPARATUS. CONTAIN THE SPILL. PREVENT RUNOFF INTO DRAINS, SEWERS, AND OTHER WATERWAYS. SOAK UP WITH A SUITABLE ABSORBENT MATERIAL. (SAND OR CLAY). TRANSFER TO A SUITABLE CONTAINER FOR DISPOSAL. DO NOT WALK THROUGH SPILLED MATERIAL.

Section 07: HANDLING AND STORAGE

HANDLING PROCEDURES AND AVOID ALL SKIN CONTACT. AVOID GETTING IN EYES. AVOID BREATHING EQUIPMENT VAPOURS. DO NOT INGEST. WEAR PROTECTIVE EQUIPMENT DURING HANDLING. KEEP AWAY FROM HEAT, SPARKS, AND OPEN FLAME. VAPOURS MAY ACCUMULATE AND TRAVEL TO DISTANT IGNITION SOURCES AND FLASHBACK. EQUIPMENT MUST BE GROUNDED. MAINTAIN PROPER GROUNDING AT ALL TIMES. USE ADEQUATE VENTILATION. KEEP CONTAINERS CLOSED OR SEALED. EMPTY CONTAINERS ARE HAZARDOUS, MAY CONTAIN FLAMMABLE/EXPLOSIVE DUSTS, LIQUID RESIDUE OR VAPOURS. FOLLOW LABEL WARNINGS EVEN AFTER CONTAINER IS EMPTIED. MAINTAIN A GOOD PERSONAL HYGIENE.
 STORAGE NEEDS..... KEEP AWAY FROM HEAT, SPARKS, AND OPEN FLAMES. KEEP THE CONTAINER TIGHTLY CLOSED WHEN NOT IN USE. STORE AWAY FROM INCOMPATIBLE MATERIALS. STORE IN A DRY ENVIRONMENT AWAY FROM SOURCES OF HEAT. STORE IN A COOL AND WELL-VENTILATED AREA.

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..... GOGGLES.
 FOOTWEAR/TYPE..... CHEMICAL RESISTANT BOOTS.
 CLOTHING/TYPE..... WEAR IMPERVIOUS PROTECTIVE CLOTHING.
 OTHER/TYPE..... EYE BATH AND SAFETY SHOWER.
 ENGINEERING CONTROLS..... ADEQUATE VENTILATION TO CONTROL AIRBORNE CONCENTRATIONS BELOW THE EXPOSURE GUIDELINES/LIMITS. EQUIPMENT SHOULD BE EXPLOSION PROOF.

Section 09: PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE..... LIQUID.
 ODOUR..... SOLVENT ODOUR.
 ODOUR THRESHOLD..... N.AV.
 VAPOUR PRESSURE (MMHG)..... 80.25.
 VAPOUR DENSITY (AIR=1)..... 2.33.
 EVAPORATION RATE..... ~2.24.
 BOILING POINT..... 57-111 (C).
 PH..... N.AV.
 SPECIFIC GRAVITY (WATER=1)..... 0.8285.
 SOLUBILITY IN WATER (% W/W)..... PARTIALLY.
 COEFFICIENT OF WATER/OIL DIST..... N.AV.

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Section 10: STABILITY AND REACTIVITY

CHEMICAL STABILITY:

YES..... YES.

NO, WHICH CONDITIONS?

COMPATABILITY WITH OTHER
SUBSTANCES:

YES

NO, WHICH ONES?..... OXIDIZERS, ACIDS, BASES, NATURAL, BUTYL AND NEOPRENE RUBBER, NITRILE
RUBBER AND PVC (PROLONGED CONTACT).NOTE..... ACETONE MAY FORM EXPLOSIVE MIXTURES WITH CHROMIC, ANHYDRIDE,
CHROMYL ALCOHOL, HEXACHLOROMELANINE, HYDROGEN PEROXIDE,
PERMONOSULPHURIC ACID, POTASSIUM TERTBUTOXIDE AND THIOGLYCOL.
METHANOL MAY BE CORROSIVE TO LEAD AND ALUMINUM.

REACTIVITY CONDITIONS?..... EXCESSIVE HEAT, SPARKS AND OPEN FLAME. SEE ABOVE.

HAZARDOUS PRODUCTS OF FORMALDEHYDE, CO, CO2.

DECOMPOSITION

HAZARDOUS POLYMERIZATION..... WILL NOT OCCUR.

Section 11: TOXICOLOGICAL INFORMATIONEXPOSURE LIMIT OF MATERIAL..... ACETONE: (LIMIT) ACGIH STEL: 750 PPM; ACGIH TWA: 500 PPM; OSHA TWA: 1000
PPM. METHANOL: ACGIH TLV-TWA 200 PPM, STEL 250 PPM - SKIN NOTATION;
OSHA PEL 200 PPM, STEL 250 PPM - SKIN NOTATION. TOLUENE: 50 PPM/188
MG/M3 TLV/TWA. XYLENE (MIXED ISOMERS): 100PPM.LC 50 OF MATERIAL, SPECIES & ROUTE.. ACETONE: 50000 MG/M3 (RAT-8 HR). METHANOL: 64,000 PPM (INHALATION RAT).
TOLUENE: 8000 PPM/4 H (RAT). XYLENE (MIXED MONOMERS): 6700 PPM/4 H
(INHALATION-RAT).LD 50 OF MATERIAL, SPECIES & ROUTE.. ACETONE: 20000 MG/KG (RABBIT-DERMAL); 5.8 G/KG (RAT-ORAL). METHANOL:
5.6-13.0 G/KG (ORAL-RAT); 20 ML/KG (DERMAL-RABBIT). TOLUENE: 5000 MG/KG
(ORAL-RAT); 14000 MG/KG (DERMAL-RABBIT). XYLENE (MIXED MONOMERS): 4300
MG/KG ORAL-RAT; >2000 MG/KG DERMAL-RABBIT.

CARCINOGENICITY OF MATERIAL..... NONE KNOWN.

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. SEE SECTION 03.

SYNERGISTIC MATERIALS..... NONE KNOWN.

Section 12: ECOLOGICAL CONSIDERATIONS**Section 13: DISPOSAL CONSIDERATIONS**

WASTE DISPOSAL..... IN ACCORDANCE WITH MUNICIPAL, PROVINCIAL AND FEDERAL REGULATIONS.

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