

MATERIAL SAFETY DATA SHEET

PRODUCT NAME: COLORANT UNIT
PRODUCT CODE: CO-UN

===== SECTION I - MANUFACTURER IDENTIFICATION =====

DISTRIBUTED BY:The Rot Doctor
PO BOX 30612
Seattle, WA, 98113
(206)364-2155

FOR CHEMICAL EMERGENCY
Spill, Leak, Fire, Exposure or Accident
CALL INFOTRAC - Day or Night
1-800-535-5053
Outside the United States call Collect
1-352-323-3500

DATE REVISED: March 28, 2000

===== SECTION II - COMPOSITION/INFORMATION ON INGREDIENTS =====

Component/Exposure Limits	CAS#	% by Wt.
Propylene Glycol Monomethyletheracetate	108-65-6	30
Carbon Black	1333-86-4	1
Copolymer	800963-514-5P	
Talc	14807-96-6	15
*Xylene (Mixed Isomers)	1330-20-7	
*Ethylbenzene	100-41-4	<1
C.I. Pigment Blue 15:2	12239-87-1	

* Indicates toxic chemical(s) subject to the reporting requirements of section 313 of Title III of 40 CFR 372.

===== SECTION III - HAZARDS IDENTIFICATION =====

Potential Health Effects

EYE AND SKIN:

SKIN: THIS MATERIAL MAY CAUSE DEFATTING AND IRRITATION OF THE SKIN.
PROLONGED OR REPEATED CONTACT MAY CAUSE DERMATITIS,

EYES: THIS MATERIAL MAY BE AN EYE IRRITANT.

INGESTION: OBTAIN MEDICAL ATTENTION IMMEDIATELY. DO NOT INDUCE VOMITING.
DO NOT GIVE ANYTHING BY MOUTH TO AND UNCONSCIOUS PERSON. GUARD
AGAINST ASPIRATION INTO THE LUNGS BY HAVING THE INDIVIDUAL TURN ON TO
THEIR LEFT SIDE. IF VOMITING OCCURS SPONTANEOUSLY, KEEP HEAD BELOW
HIPS TO PREVENT ASPIRATION OF LIQUID INTO THE LUNGS. ASPIRATION OF
MATERIAL INTO THE LUNGS CAN CAUSE CHEMICAL PNEUMONITIS, WHICH CAN BE
FATAL. INGESTION CAN RESULT IN IRRITATION OR CHEMICAL BURNS OF THE
MOUTH, PHARYNX, ESOPHAGUS AND STOMACH/DIGESTIVE TRACT. INJURY MAY BE
SEVERE AND CAUSE DEATH. KEEP PERSON WARM AND QUIET.

INHALATION: REPEATED OR PROLONGED EXPOSURE TO VAPORS OR SPRAY MISTS CAN
RESULT IN HEADACHE, DIZZINESS, INCOORDINATION, NAUSEA, AND LOSS OF
CONSCIOUSNESS. SOME REPORTS HAVE ASSOCIATED REPEATED AND PROLONGED
OCCUPATIONAL OVEREXPOSURE TO SOLVENTS WITH PERMANENT BRAIN AND
NERVOUS SYSTEM DAMAGE.

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===== **SECTION IV - FIRST AID MEASURES** =====

INHALATION: REMOVE TO FRESH AIR. GIVE ARTIFICIAL RESPIRATION IF NOT BREATHING. IF BREATHING IS DIFFICULT, ADMINISTER OXYGEN. TRAINED PERSONNEL ONLY SHOULD ADMINISTER OXYGEN. PREVENT ASPIRATION OF VOMIT. TURN VICTIMS HEAD TO THE SIDE. ASSURE OPEN AIRWAY. CALL A PHYSICIAN IMMEDIATELY.

EYES: HOLD EYELIDS APART AND IMMEDIATELY FLUSH WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES. CONSULT A PHYSICIAN.

SKIN: REMOVE PRODUCT AND IMMEDIATELY FLUSH AFFECTED AREA WITH WATER FOR AT LEAST 15 MINUTES. CONTROL SHOCK IF PRESENT. DISCARD OR LAUNDER CONTAMINATED CLOTHING BEFORE REUSE. CONTAMINATED LEATHER WEAR SHOULD BE DISCARDED.

INGESTION: IF SWALLOWED, DO NOT INDUCE VOMITING. ADMINISTER 3-4 GLASSES OF MILK OR WATER. OBTAIN MEDICAL CARE AND HOSPITAL TREATMENT IMMEDIATELY.

NOTE TO PHYSICIANS: NONE FOR THIS MATERIAL.

===== **SECTION V - FIRE FIGHTING MEASURES** =====

FLAMMABLE PROPERTIES:

FLASH POINT: 150F/65.6C TCC.

FLAMMABLE LIMITS:

Lower flammable limit: 2.3%

Upper flammable limit: 14.4% @ 77F

AUTOIGNITION TEMPERATURE: 490 DEG. F. NOTE: APPROXIMATE

EXTINGUISHING MEDIA: FOAM, CO2, DRY CHEMICAL, WATER FOG

FIREFIGHTING INSTRUCTIONS: DO NOT ENTER ANY ENCLOSED OR CONFINED FIRE SPACE WITHOUT FULL PROTECTIVE EQUIPMENT, INCLUDING SELF-CONTAINED BREATHING APPARATUS (PRESSURE-DEMAND MSHA/NIOSH APPROVED OR EQUIVALENT) TO PROTECT AGAINST THE HAZARDOUS EFFECTS OF COMBUSTION PRODUCTS AND OXYGEN DEFICIENCY.

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===== SECTION VI - ACCIDENTAL RELEASE MEASURES =====

SMALL SPILL: REMOVE ALL SOURCES OF FLAMES, HEATING ELEMENTS, GAS ENGINES, ETC. SPILLED MATERIAL SHOULD BE CONTAINED AND PLACED INTO STEEL CONTAINERS FOR RECOVERY OR DISPOSAL. VERMICULITE OR OTHER SUITABLE INERT ABSORBENT, SUCH AS SAND OR COMMERCIALY AVAILABLE ABSORBENTS, SHOULD BE SPREAD OVER THE SPILL AREA TO ABSORB AS MUCH OF THE REMAINING PRODUCT AS POSSIBLE. SCOOP UP SOLID ABSORBENT FOR WASTE DISPOSAL.

THE SPILL AREA SHOULD THEN BE WASHED DOWN WITH SOAP AND WATER TO DILUTE AND REMOVE REMAINING TRACES OF MATERIAL. DO NOT ALLOW WASTE WATER TO DRAIN INTO THE SEWER OR GROUND WATER SYSTEMS. VENTILATE AREA TO REMOVE THE REMAINING VAPORS. IF NECESSARY, DECONTAMINATE ALL CLOTHING BY PROPER LAUNDERING.

LARGE SPILL: USE SAME PROCEDURE AS SMALL SPILL.

===== SECTION VII - HANDLING AND STORAGE =====

HANDLING: CONTAINERS, EVEN THOSE THAT HAVE BEEN EMPTIED, WILL RETAIN PRODUCT RESIDUE (LIQUID AND/OR VAPOR) AND CAN BE DANGEROUS. ALWAYS OBEY HAZARD WARNINGS AND HANDLE EMPTY CONTAINERS AS IF THEY WERE FULL. DO NOT PRESSURIZE, PUNCTURE, CUT, WELD, BRAZE, SOLDER, DRILL, GRIND, OR OTHERWISE EXPOSE SUCH CONTAINERS TO HEAT, FLAME, SPARKS, STATIC ELECTRICAL CHARGES, ELECTRICITY, OR OTHER SOURCES OF IGNITION. THEY MAY EXPLODE AND/OR EMIT TOXIC VAPORS CAUSING INJURY OR DEATH. KEEP CONTAINER TIGHTLY CLOSED WHEN NOT IN USE. EMPTY CONTAINERS, SHOULD BE PROPERLY DISPOSED OF. USE ONLY IN A WELL VENTILATED AREA. KEEP OUT OF THE REACH OF CHILDREN.

STORAGE: KEEP AWAY FROM HEAT, SPARKS, FLAME, AND OXIDIZERS. STORE IN A COOL DRY, WELL-VENTILATED AREA AWAY FROM INCOMPATIBLE MATERIALS. AVOID BREATHING VAPORS. STORE IN CLOSED CONTAINERS. DO NOT GET IN EYES, ON SKIN OR ON CLOTHING.

===== SECTION VIII - EXPOSURE CONTROLS/PERSONAL PROTECTION =====

ENGINEERING CONTROLS: TURN OFF HEATING AND/OR AIR CONDITIONING EQUIPMENT TO PREVENT CONTAMINATING BUILDING.

RESPIRATORY PROTECTION: WEAR A NIOSH APPROVED RESPIRATOR APPROPRIATE FOR THE VAPOR OR MIST CONCENTRATION AT THE POINT OF USE. APPROPRIATE RESPIRATORS MAY BE A FULL FACEPIECE OR A HALF MASK AIR-PURIFYING CARTRIDGE RESPIRATOR EQUIPPED FOR ORGANIC VAPORS/MISTS, A SELF-CONTAINED BREATHING APPARATUS IN THE PRESSURE DEMAND MODE.

SKIN PROTECTION: THE USE OF GLOVES IMPERMEABLE TO THE SPECIFIC MATERIAL HANDLED IS ADVISED TO PREVENT SKIN CONTACT AND POSSIBLE IRRITATION.

EYE PROTECTION: CHEMICAL GOGGLES. IF SPLASHING MAY OCCUR OR DURING SPRAY OPERATIONS WEAR A FACE SHIELD, UNLESS A FULL FACE PIECE RESPIRATOR IS USED. DO NOT WEAR CONTACT LENSES AS THEY MAY CONTRIBUTE TO THE SEVERITY OF INJURY TO THE EYE FROM EXPOSURE TO LIQUID AND/OR VAPORS AND SPRAY MIST.

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===== **SECTION IX - PHYSICAL AND CHEMICAL PROPERTIES** =====

BOILING POINT: 281F/138.3C	COATING V.O.C.: 3.85 lb/gl
MELTING POINT: -4F/-20C	MATERIAL V.O.C.: 3.84 lb/gl
VAPOR PRESSURE: NO DATA	COATING V.O.C.: 462 g/l
VAPOR DENSITY: HEAVIER THAN AIR	MATERIAL V.O.C.: 461 g/l
SOLUBILITY IN WATER: NEGLIGIBLE	
SPECIFIC GRAVITY: 0.87	
pH: N/A	
ODOR: PETROLEUM DISTILLATE ODOR.	
APPEARANCE: MODERATELY VISCOUS PIGMENTED LIQUID, VARIOUS COLORS.	

===== **SECTION X - STABILITY AND REACTIVITY** =====

CHEMICAL STABILITY (CONDITIONS TO AVOID): STABLE

INCOMPATIBILITY: STRONG OXIDIZING AGENTS SUCH AS LIQUID CHLORINE, CONCENTRATED OXYGEN, SODIUM HYPOCHLORITE OR CALCIUM HYPOCHLORITE.

HAZARDOUS DECOMPOSITION PRODUCTS: THERMAL DECOMPOSITION MAY YIELD CARBON MONOXIDE AND CARBON DIOXIDE. UNIDENTIFIED ORGANIC COMPOUNDS IN FUMES AND SMOKE MAY BE FOUND DURING COMBUSTION.

HAZARDOUS POLYMERIZATION: WILL NOT OCCUR.

===== **SECTION XI - TOXICOLOGICAL INFORMATION** =====

EYE: NO DATA.

SKIN: NO DATA.

INGESTION: NO DATA.

INHALATION: NO DATA.

SUBCHRONIC: IRRITATION EYES, NOSE, THROAT; DIZZINESS; DERMATITIS; CHEMICAL PNEUMONIA (ASPIRATION LIQUID); IN ANIMALS: KIDNEY DAMAGE.

CHRONIC/CARCINOGENICITY: PROLONGED OR REPEATED EXPOSURE OF MALE RATS TO INHALATION OF VAPORS PRODUCED KIDNEY DISORDERS AND/OR DAMAGE. A NUMBER OF HUMAN STUDIES HAS NOT SHOWN CLINICAL EVIDENCE OF AN ASSOCIATION BETWEEN LIGHT HYDROCARBON VAPORS AND DISEASE.

TERATOLOGY: NO DATA.

REPRODUCTION: NO DATA.

MUTAGENICITY: NO DATA.

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===== **SECTION XII - ECOLOGICAL INFORMATION** =====

ECOTOXICOLOGICAL INFORMATION: NO DATA AVAILABLE.

CHEMICAL FATE INFORMATION: NO DATA.

===== **SECTION XIII - DISPOSAL CONSIDERATIONS** =====

DISPOSE OF UNUSED PRODUCT OR CONTAMINATED PRODUCT AND MATERIALS USED IN CLEANING UP SPILLS OR LEAKS IN A MANNER APPROVED FOR THIS MATERIAL. CALL YOUR LOCAL SOLID WASTE SYSTEM FOR GUIDANCE. EMPTY CONTAINERS WILL RETAIN PRODUCT RESIDUE AND VAPORS AND ARE SUBJECT TO PROPER WASTE DISPOSAL, AS ABOVE.

===== **SECTION XIV - TRANSPORTATION INFORMATION** =====

(Not meant to be all inclusive)

DOT INFORMATION - 49 CFR 172.101
PAINT, 3, UN1263, III.

===== **SECTION XV - REGULATORY INFORMATION** =====

(Not meant to be all inclusive - selected regulations represented)

U.S. FEDERAL REGULATIONS:

STATUS OF SUBSTANCE LISTS: THE CONCENTRATIONS SHOWN IN SECTION 2, ARE MAXIMUM FOR CEILING LEVELS (WEIGHT %) TO BE USED FOR CALCULATIONS FOR REGULATIONS.

FEDERAL EPA: COMPREHENSIVE ENVIRONMENTAL RESPONSE, COMPENSATION AND LIABILITY ACT OF 1980 (CERCLA) REQUIRES NOTIFICATION OF THE NATIONAL RESPONSE CENTER OF RELEASE OF QUANTITIES OF HAZARDOUS SUBSTANCES EQUAL TO OR GREATER THAN THE REPORTABLE QUANTITIES (RQs) IN 40 CFR 302.4.

COMPONENTS PRESENT IN THIS PRODUCT AT A LEVEL THAT COULD REQUIRE REPORTING UNDER THE STATUTE ARE:

XYLENE (MIXED ISOMERS)	CAS # 1330-20-7	RQ 100#.
ETHYL BENZENE	CAS # 100-41-4	RQ 1000#.
TOLUENE	CAS # 108-88-3	RQ 1000#.

SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT OF 1986 (SARA) TITLE III

REQUIRES EMERGENCY PLANNING BASED ON THRESHOLD PLANNING QUANTITIES (TPQs) AND RELEASE REPORTING BASED ON REPORTABLE QUANTITIES (RQs) IN 40 CFR 355 (USED FOR SARA 302, 304, 311 AND 312).

COMPONENTS PRESENT IN THIS PRODUCT AT A LEVEL THAT COULD REQUIRE REPORTING UNDER THE STATUTE ARE:

XYLENE (MIXED ISOMERS)	CAS # 1330-20-7	RQ 100#.
ETHYL BENZENE	CAS # 100-41-4	RQ 1000#.
TOLUENE	CAS # 108-88-3	RQ 1000#.

REQUIRES SUBMISSION OF ANNUAL REPORTS OF RELEASE OF TOXIC CHEMICALS THAT APPEAR IN 40 CFR 372 (FOR SARA 313). THIS INFORMATION MUST BE INCLUDED IN ALL MSDSs THAT ARE COPIED AND DISTRIBUTED FOR THIS MATERIAL.

COMPONENTS PRESENT IN THIS PRODUCT AT A LEVEL THAT COULD REQUIRE REPORTING UNDER THE STATUTE ARE: SEE SECT. II

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TOXIC SUBSTANCE CONTROL ACT (TSCA) STATUS:

THE COMPONENTS OF THIS PRODUCT ARE LISTED OR ARE EXCLUDED FROM LISTING ON THE U.S. TOXIC SUBSTANCES CONTROL ACT (TSCA) CHEMICAL SUBSTANCE INVENTORY.

THE REMAINING PERCENTAGE OF UNSPECIFIED INGREDIENTS, IF ANY, ARE NOT CONTAINED IN ABOVE de minimis CONCENTRATIONS AND/OR ARE BELIEVED TO BE NON-HAZARDOUS UNDER THE OSHA HAZARD COMMUNICATION STANDARD (29 CFR 1910.1200), AND MAY CONSIST OF PIGMENTS, FILLERS, DEFOAMERS, WETTING AGENTS, ANTI-BACTERIAL AGENTS, RESINS, DRYERS, WATER AND/OR SOLVENTS IN VARYING CONCENTRATIONS.

INTERNATIONAL REGULATIONS:

CANADIAN WHMIS: DIVISION 3 OF CLASS B COMBUSTIBLE LIQUIDS.

CANADIAN ENVIRONMENTAL PROTECTION ACT (CEPA): NO INFORMATION.

EINECS: NO INFORMATION.

STATE REGULATIONS:

CALIFORNIA PROPOSITION 65: THESE CHEMICALS ARE NOT LISTED IN THE CALIFORNIA PROPOSITION 65 TO BE CARCINOGENS OR REPRODUCTIVE TOXICANTS.

===== **SECTION XVI - OTHER INFORMATION** =====

MSDS Status: THIS MSDS IS CURRENT AS OF MARCH, 2000.

HMIS RATING: H F R P
 2 2 0 J

THE INFORMATION CONTAINED HEREIN IS FURNISHED WITHOUT WARRANTY OF ANY KIND. USERS SHOULD CONSIDER THESE DATA ONLY AS A SUPPLEMENT TO OTHER INFORMATION GATHERED BY THEM & DETERMINE THE SUITABILITY & COMPLETENESS OF INFORMATION FROM ALL SOURCES TO ASSURE PROPER USE & DISPOSAL OF THESE MATERIALS & THE SAFETY & HEALTH OF EMPLOYEES & CUSTOMERS.