

# MATERIAL SAFETY DATA SHEET

ISO 9001-2008  
FM 70321

<b>PRODUCT NAME: 441 RED</b>	<b>DATE: 11-14-1997</b>
<b>HMIS CODES: H=1, F=1, R=0, P=B</b>	<b>DATA SHEET # 487</b>
	<b>LATEST REVISION DATE: 8-02-2010</b>

## SECTION 1 - MANUFACTURER IDENTIFICATION

**MANUFACTURER'S NAME:** RYVEC, INC.  
**ADDRESS:** 251 E. PALAIS ROAD, ANAHEIM, CA. 92805-6239  
**EMERGENCY PHONE:** (714) 520-5592  
**INFORMATION PHONE:** (714) 520-5592

## SECTION 2 - HAZARDOUS INGREDIENTS

HAZARDOUS COMPONENTS	CAS #	TLV (ACGIH)	OSHA PEL	WEIGHT %
NO TOXIC CHEMICALS SUBJECT TO REPORTING REQUIREMENTS.				

## SECTION 3 - PHYSICAL DATA

**APPEARANCE AND ODOR:** REDDISH BROWN LIQUID, MILD ODOR  
**SPECIFIC GRAVITY:** 1.59 (H2O=1)  
**VAPOR DENSITY:** N/A

**SOLUBILITY IN WATER:** INSOLUBLE  
**% VOLATILE BY VOLUME:** N/A

## SECTION 4 - FIRE & EXPLOSION HAZARD DATA

**FLASH POINT:** >465° F.  
**FLAMMABLE LIMITS:** N/A  
**EXTINGUISHING MEDIA:** CO2, DRY CHEMICALS, FOAM.  
**SPECIAL FIREFIGHTING PROCEDURES:** WEAR POSITIVE PRESSURE SELF-CONTAINED BREATHING EQUIPMENT.

**UNUSUAL FIRE & EXPLOSION HAZARDS:** EMPTY DRUMS THAT CONTAIN RESIDUAL MATERIAL, WHICH MAY DECOMPOSE TO EMIT TOXIC OR IRRITATING GASSES IF BURNED.

## SECTION 5 - REACTIVITY DATA

**STABILITY:** STABLE

**INCOMPATIBILITY:** STRONG OXIDIZING AGENTS AND ALKALIS.

**HAZARDOUS DECOMPOSITION:** CARBON MONOXIDE (CO), CARBON DIOXIDE (CO2).

**HAZARDOUS POLYMERIZATION:** WILL NOT OCCUR.

-----**SECTION 6 - HEALTH HAZARD DATA**-----

**INHALATION:** EXPOSURE TO VAPOR IS UNLIKELY. HOWEVER, VAPORS OR MISTS PRODUCED UNDER CERTAIN CONDITIONS OR USE MAY CAUSE IRRITATION OF THE NOSE, THROAT AND RESPIRATORY TRACT.

**SKIN:** MAY CAUSE MILD SKIN IRRITATION.

**EYE CONTACT:** MAY CAUSE SLIGHT EYE IRRITATION, STINGING, TEARING AND REDNESS.

**HEALTH HAZARDS (ACUTE & CHRONIC):** NONE

**CARCINOGENICITY:** OSHA NO IARC NO

**MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE:** RESPIRATORY SYMPTOMS ASSOCIATED WITH PRE-EXISTING LUNG DISORDERS.

**EMERGENCY & FIRST AID PROCEDURES:** FLUSH EYES WITH WATER FOR AT LEAST 15 MINUTES. GET MEDICAL ATTENTION IF IRRITATION DEVELOPS OR PERSISTS. REMOVE CONTAMINATED CLOTHING AND WASH BEFORE RE-USE. IF AFFECTED BY VAPORS, REMOVE PATIENT TO FRESH AIR; GET MEDICAL ATTENTION IF NECESSARY. IF SWALLOWED, DO NOT INDUCE VOMITING. GET MEDICAL ATTENTION.

-----**SECTION 7 - SPILLS OR LEAK PROCEDURES**-----

**STEPS TO BE TAKEN IN CASE MATERIAL IS SPILLED:** CONTAIN SPILL & SOAK IT UP WITH AN ABSORBANT MATERIAL. PLACE INTO CONTAINERS FOR WASTE DISPOSAL.

**WASTE DISPOSAL METHOD:** DISPOSE OF WASTE MATERIALS IN LANDFILL IN ACCORDANCE WITH ALL FEDERAL, STATE AND LOCAL REGULATIONS.

**PRECAUTIONS TO BE TAKEN IN HANDLING & STORAGE:** WASH AFTER HANDLING. STORE MATERIAL INDOORS IN CLOSED CONTAINERS WHEN NOT IN USE. USE WITH ADEQUATE VENTILATION. STORE AT NORMAL AMBIENT TEMPERATURE. PROTECT FROM MOISTURE, HEAT AND SUN.

-----**SECTION 8 - PROTECTION INFORMATION**-----

**RESPIRATORY PROTECTION:** PROVIDE EFFECTIVE VENTILATION TO DRAW VAPORS OR FUMES AWAY FROM WORKERS. IN THE ABSENCE OF PROPER VENTILATION, USE AN APPROVED NIOSH/OSHA ORGANIC TYPE RESPIRATOR.

**VENTILATION:** ALL THERMOPLASTIC MATERIALS WILL EMIT FUMES AND OR VAPORS WHEN HEATED. USE ADEQUATE EXHAUST TO MAINTAIN EXPOSURE BELOW LIMITS.

**PROTECTIVE GLOVES:** USE NATURAL RUBBER OR NEOPRENE GLOVES.

**EYE PROTECTION:** EYE WASH STATION SHOULD BE AVAILABLE. GOGGLES ARE RECOMMENDED FOR ALL INDUSTRIAL WORK AREAS.

**PROTECTIVE CLOTHING:** LAUNDER CONTAMINATED CLOTHING BEFORE REUSE.

-----**SECTION 9 - SHIPPING DATA**-----

**D.O.T. LABELS REQUIRED (CFR172.101-102):** NONE

**D.O.T. PLACARDS REQUIRED (CFR172.504):** NONE

-----SECTION 10 - SARA TITLE III REGULATORY INFORMATION-----

**SECTION 302:**

EXTREMELY HAZARDOUS SUBSTANCES: NONE

**SECTION 311/312:**

HAZARD CATEGORIES: NONE

**SECTION 313:**

TOXIC CHEMICALS: NONE

**TOXIC SUBSTANCES CONTROL ACT (TSCA) STATUS**

ALL OF THE INGREDIENTS OF THIS MATERIAL HAVE BEEN REPORTED TO THE U.S. EPA, AND ARE INCLUDED IN THE TSCA CHEMICAL INVENTORY.

**INTERNATIONAL CHEMICAL INVENTORIES**

THE INGREDIENTS OF THIS PRODUCT ARE ALL ON THE FOLLOWING CHEMICAL SUBSTANCES INVENTORIES, ARE EXEMPT FROM THE INVENTORIES, OR ARE OTHERWISE COMPLIANT WITH INVENTORY REQUIREMENTS OF THE GOVERNING AGENCY:

EINECS (Europe), DSL/NDSL (Canada), AICS (Australia), ECL (Korea), MITI/ENCS (Japan), IECSC (China)

**HMIS RATINGS:**

HEALTH                      FLAMMABILITY                      REACTIVITY  
1                                      1                                      0

0=MINIMAL    1=SLIGHT    2=MODERATE    3=SERIOUS    4=SEVERE

-----COMPOSITION/INFORMATION ON INGREDIENTS-----

CHEMICAL NAME	CAS NUMBER
Red Pigment	1309-37-1
Polyether Polyol	9082-00-2

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