

# MATERIAL SAFETY DATA SHEET

ISO 9001-2008  
FM 70321

## SECTION 1 – CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: 750 TAN	DATE: 5-01-1997
HMIS CODES: H=2, F=1, R=0, P=X	DATA SHEET # 572
	LATEST REVISION DATE: 8-15-2012

**MANUFACTURER'S NAME:** RYVEC, INC.  
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## SECTION 2 – HAZARDS INGREDIENTS

HAZARDOUS COMPONENTS	CAS #	TLV (ACGIH)	OSHA PEL	WEIGHT %
C.I. PIGMENT YELLOW 34	1344-37-2		1.0 mg/m <sup>3</sup>	< 5%
LEAD CHROMATE (PbCrO <sub>4</sub> )	7758-97-6	.05 mg/m <sup>3</sup> (as Pb) TWA . 012 mg/m <sup>3</sup> (as CR) TWA	.05 mg/m <sup>3</sup> (as Pb) TWA	

**POISON! HARMFUL IF SWALLOWED OR INHALED. CAUSES IRRITATION TO SKIN, EYES AND RESPIRATORY TRACT. IT ALSO AFFECTS THE GUM TISSUE, CENTRAL NERVOUS SYSTEM, KIDNEYS, BLOOD AND REPRODUCTIVE SYSTEM. LIMITED EVIDENCE OF CARCINOGENICITY.**

## SECTION 3 – COMPOSITION/INFORMATION ON INGREDIENTS

CHEMICAL NAME	CAS NUMBER
YELLOW PIGMENT	1344-37-2
WHITE PIGMENT	13463-67-7
BROWN PIGMENT	51274-00-1 + 1332-37-2 + 1317-61-9
POLYETHER POLYOL	9082-00-2
DINCH	474919-59-0
DISPERSING AGENT	PROPRIETARY

## SECTION 4 – FIRST AID MEASURES

**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. WEAR A DUST MASK. IF AFFECTED BY VAPORS, REMOVE PATIENT TO FRESH AIR; GET MEDICAL ATTENTION IF BREATHING BECOMES DIFFICULT, OR RESPIRATORY IRRITATION DEVELOPS. LEAD CAN BE ABSORBED THROUGH THE RESPIRATORY SYSTEM.

**SKIN CONTACT:** MAY CAUSE MILD SKIN IRRITATION. WASH OFF WITH WATER. GET MEDICAL ATTENTION IF IRRITATION DEVELOPS, OR PERSISTS. REMOVE CONTAMINATED CLOTHING AND WASH BEFORE RE-USE. LEAD CAN BE ASORBED THROUGH THE SKIN.

**EYE CONTACT:** MAY CAUSE SLIGHT EYE IRRITATION, STINGING, TEARING AND REDNESS. FLUSH EYES WITH WATER FOR AT LEAST 15 MINUTES, LIFTING LOWER AND UPPER EYELIDS OCCASIONALLY. SEEK MEDICAL ATTENTION.

**INGESTION: POISON!** NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON. DO NOT INDUCE VOMITING UNLESS DIRECTED TO DO SO BY A PHYSICIAN. ACUTE POISONING CAN LEAD TO MUSCLE WEAKNESS, "LEAD LINE" ON THE GUMS, METALLIC TASTE, LOSS OF APPETITE, INSOMNIA, DIZZINESS, HIGH LEAD LEVELS IN BLOOD AND URINE, WITH SHOCK, COMA AND DEATH IN EXTREME CASES.

## **SECTION 5 – FIREFIGHTING MEASURES**

EXTINGUISHING MEDIA: CO2, DRY CHEMICALS, FOAM.

FIREFIGHTING PROCEDURES: WEAR POSITIVE PRESSURE SELF-CONTAINED BREATHING EQUIPMENT. DO NOT ALLOW WATER RUNOFF TO ENTER SEWERS OR WATERWAYS.

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

## **SECTION 6 – ACCIDENTAL RELEASE MEASURES**

STEPS TO BE TAKEN IN CASE MATERIAL IS SPILLED: CONTAIN SPILL & SOAK IT UP WITH AN ABSORBANT MATERIAL. PLACE INTO CONTAINERS FOR WASTE DISPOSAL. DO NOT ALLOW INTO DRAIN OR STORM SEWER.

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

## **SECTION 7 – HANDLING AND STORAGE**

STORE IN A DRY PLACE. THE PRODUCT IS HYGROSCOPIC.

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 – EXPOSURE CONTROLS/PERSONAL PROTECTION**

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: LAUNDRY CONTAMINATED CLOTHING

## **SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES**

APPEARANCE AND ODOR: TAN LIQUID, MILD ODOR

SPECIFIC GRAVITY: 1.57 (H2O=1)

VAPOR DENSITY: N/A

SOLUBILITY IN WATER: INSOLUBLE

% VOLATILE BY VOLUME: N/A

FLASH POINT: >465° F.

FLAMMABLE LIMITS: N/A

## **SECTION 10 – STABILITY AND REACTIVITY**

STABILITY: STABLE

INCOMPATIBILITY: STRONG OXIDIZING AGENTS AND ALKALIS.

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

HAZARDOUS POLYMERIZATION: WILL NOT OCCUR UNDER NORMAL CIRCUMSTANCES.

## **SECTION 11 – TOXICOLOGICAL INFORMATION**

CHRONIC/CARCINOGENICITY: LIMITED EVIDENCE OF CARCINOGENICITY ACCORDING TO IARC. (Class 2B).

TERATOLOGY: IT MAY CAUSE HARM TO THE UNBORN CHILD.

MUTAGENICITY: NO INFORMATION AVAILABLE.

## **SECTION 12 – ECOLOGICAL INFORMATION**

### ECOTOXICITY FOR INGREDIENT PbCrO<sub>4</sub>

TOXICITY TO FISH: LEUCISCUS IDUS/NO OBSERVED EFFECT AT CONC. (96h): 10,000 mg/l.

LEUCISCUS IDUS/LC50(96h): > 10,000 mg/l.

AQUATIC INVERTEBRATES: DAPHNIA MAGNA/EC50(48h): > 100 mg/l.

AQUATIC PLANTS: SCENEDESMUS SUBSPICATUS/EC50(72h): > 100 mg/l.

### PERSISTENCE AND DEGRADABILITY:

ASSESSMENT: THE PRODUCT IS VIRTUALLY INSOLUBLE IN WATER AND CAN THUS BE SEPARATED FROM WATER MECHANICALLY IN SUITABLE EFFLUENT TREATMENT PLANTS. HEAVY METALS ELIMINATED FROM WATER BY CHEMICAL FLOCCULATION.

BIOACCUMULATION POTENTIAL: THE PRODUCT CONTAINS HEAVY METALS. PREVENT RELEASE INTO THE ENVIRONMENT. SPECIAL PRETREATMENT REQUIRED.

OTHER ADVERSE EFFECTS: THE PRODUCTS CONTAINS: LEAD, CHROMIUM (VI).

## **SECTION 13 – DISPOSAL CONSIDERATIONS**

STEPS TO BE TAKEN IN CASE MATERIAL IS SPILLED: CONTAIN SPILL & SOAK IT UP WITH AN ABSORBANT MATERIAL. PLACE INTO CONTAINERS FOR WASTE DISPOSAL. DO NOT ALLOW INTO WATERWAYS OR STORM DRAINS.

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

## **SECTION 14 – TRANSPORT INFORMATION**

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

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

## **SECTION 15 – REGULATORY INFORMATION**

### U.S. FEDERAL REGULATIONS

OSHA HAZARD COMMUNICATION STANDARD: 29 CFR 1910.1200; LEAD CHROMATE MOLYBDATE SULFATE RED IS CONSIDERED A HAZARDOUS INGREDIENT.

TSCA SECTION 8 (b): CAS #12656-85-8 IS LISTED ON TSCA INVENTORY.

SARA TITLE III SECTION 302 EXTREMELY HAZARDOUS SUBSTANCES (EHS): SINCE THE PRODUCT IS NOT EHS AND NO THRESHOLD PLANNING QUANTITY IS ESTABLISHED, ITS PRESENCE IN QUANTITIES AT OR ABOVE TPQ DOES NOT REQUIRE ANY EMERGENCY PLANNING NOTIFICATION UNDER 40 CFR PART 355.

SARA TITLE III SECTION 304 CERCLA HAZARDOUS SUBSTANCES: RELEASES IN QUANTITIES EQUAL TO OR ABOVE THEIR REPORTABLE QUANTITY ARE NOT SUBJECT TO ANY EMERGENCY NOTIFICATION, AS NO REPORTABLE QUANTITY IS ESTABLISHED UNDER 40 CFR PART 302.

SARA TITLE III SECTIONS 311/312: REPORTING (TIER I OR TIER II) SHALL BE SUBMITTED BY THE FACILITY UNDER 40 CFR PART 370 (MINIMUM REPORTING THRESHOLD: 10,000 POUNDS).

SARA TITLE III SECTION 313 TOXIC CHEMICALS: NO REPORTING FOR ROUTINE ANNUAL TOXIC CHEMICALS RELEASE SHALL BE SUBMITTED UNDER 40 CFR PART 372.

CALIFORNIA PROPOSITION 65: THIS PRODUCT CONTAINS CHEMICALS KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER AND BIRTH DEFECTS OR OTHER REPRODUCTIVE HARM.

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)

ALL INGREDIENTS OF THIS PRODUCT ARE IN COMPLIANCE WITH EC REGULATION 1907/2006 (REACH)

#### **SECTION 16 – OTHER INFORMATION**

HMIS RATINGS: HEALTH = 2 FLAMMABILITY = 1 REACTIVITY = 0 PERSONAL PROTECTION = X  
(0=MINIMAL 1=SLIGHT 2=MODERATE 3=SERIOUS 4=SEVERE X=CHECK WITH YOUR SUPERVISOR)

OSHA HAZARD COMMUNICATION STANDARD (HCS) LABELS: REQUIRED AS OF JUNE 1, 2015.



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