

M A T E R I A L S A F E T Y D A T A S H E E T

SECTION I - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME : COMP G - YELLOW ZINC CHROMATE
 IDENTIFICATION NUMBER: 1757-Y-COMPG DATE PRINTED: 05/06/02
 PRODUCT USE/CLASS :

SUPPLIER: RANDOLPH PRODUCTS MANUFACTURER:
 Randolph Products Randolph Products
 701 12th Street 701 12th Street
 PO Box 830 PO Box 830
 Carlstadt, NJ 07072 Carlstadt, NJ 07072

EMERG TEL: Chem Tel 800 255-3924 EMERG TEL: Chem Tel 800 255-3924
 24 hrs 24 hrs

PREPARER: JHR, PHONE: 201 438-3700, PREPARE DATE: 06/16/01

SECTION II - COMPOSITION/INFORMATION ON INGREDIENTS

CHEMICAL NAME	CAS NUMBER	WT. PERCENT		OCCUPATIONAL EXPOSURE LIMITS			
		IS LESS THAN	TLV-TWA	TLV-STEL	REL-TWA	REL-CRILING	SKIN
ZINC CHROMATE	11103-86-9	30.0 %	.01 mg/m ³	NO INFO			NO
TOLUENE	108-88-3	20.0 %	50 PPM	200 PPM	200 PPM	300 PPM	YES
XYLENES	1330-20-7	15.0 %	100 PPM	150 PPM	100 PPM		NO
ALIPHATIC NAPHTHA	8052-41-3	10.0 %	100 PPM	NOT ESTAB	500 PPM		NO
ETHYL BENZENE	100-41-4	5.0 %	100 ppm	125 ppm	100 ppm	435 mg/cm ³	NO
BUTYL ALCOHOL	71-36-3	5.0 %		NOT ESTABL.	100 PPM	50 PPM	YES

(See Section II for abbreviation legend)

SECTION III - PHYSICAL DATA

BOILING RANGE : 210 - 390 F VAPOR DENSITY : Is heavier than air
 ODOR : TYPICAL SOLVENT LB/GAL : 10.346
 VAPOR PRESSURE : pH @ 0.0 % :
 APPEARANCE : THIN YELLOW LIQ. EVAPORATION RATE: Is slower than Ether
 SOLUBILITY IN H2O : NO
 VOLATILE BY WEIGHT: 40.9% VOLATILE BY VOL.: 57.9%
 VOCS, lbs/gal : 4.19 VOCS, grams/ltr : 502

(See Section XI for abbreviation legend)

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT: 25 F LOWER EXPLOSIVE LIMIT: 0.9 %

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SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLAMMABILITY CLASSIFICATION:

OSHA - FLAMMABLE LIQUID - CLASS IB
DOT - FLAMMABLE LIQUID OR SOLID

(SETAFLASH CLOSED CUP)

UPPER EXPLOSIVE LIMIT: 11.2 %

EXTINGUISHING MEDIA: DRY CHEMICAL FOAM CO2 WATER FOG ALCOHOL FOAM

UNUSUAL FIRE AND EXPLOSION HAZARDS: KEEP CONTAINERS TIGHTLY CLOSED. ISOLATE FROM HEAT, SPARKS, AND OPEN FLAME. CLOSED CONTAINERS MAY EXPLODE WHEN EXPOSED TO EXTREME HEAT. WATER MAY BE USED TO COOL CLOSED CONTAINERS TO PREVENT PRESSURE BUILD-UP AND POSSIBLE AUTOIGNITION OR EXPLOSION WHEN EXPOSED TO EXTREME HEAT. REMOVE ALL NON-ESSENTIAL PERSONNEL FROM FIRE AREA. VAPOR IS HEAVIER THAN AIR AND CAN TRAVEL CONSIDERABLE DISTANCES TO A SOURCE OF IGNITION AND FLASHBACK.

SPECIAL FIREFIGHTING PROCEDURES: PROVIDE RESPIRATORY PROTECTION AGAINST FUMES GENERATED DURING BURNING. WATER STREAM WILL SPREAD FIRE. DO NOT USE WATER HOSE STREAM. FULL BUNKER GEAR IN FIRE AREA (HELMET WITH FACE SHIELD, BUNKER COAT, GLOVES, RUBBER BOOTS)

SECTION V - HEALTH HAZARD DATA

EFFECTS OF OVEREXPOSURE - EYE CONTACT: PRIMARY IRRITATION.

EFFECTS OF OVEREXPOSURE - SKIN CONTACT: CHRONIC HEALTH EFFECTS ARE POSSIBLE FROM LONG TERM EXPOSURE TO THIS MATERIAL, INCLUDING DRYING, CRACKING AND IRRITATION OF THE SKIN. REACTS WITH SKIN PROTEIN AND MOISTURE AND CAN CAUSE RASH, SCALING OR BLISTERING.

EFFECTS OF OVEREXPOSURE - INHALATION: HIGH CONCENTRATIONS MAY CAUSE HEADACHES AND DIZZINESS, ARE ANESTHETIC, AND MAY HAVE OTHER CENTRAL NERVOUS SYSTEM EFFECTS, INCLUDING DEATH. CONTAINS XYLENE WHICH HAS SHOWN REPRODUCTIVE EFFECTS IN MICE

EFFECTS OF OVEREXPOSURE - INGESTION: HARMFUL IF SWALLOWED.

EFFECTS OF OVEREXPOSURE - CHRONIC HAZARDS: No Information.

FIRST AID - EYE CONTACT: CONTACT LENS WEARERS SHOULD CONSULT PROVIDER BEFORE HANDLING - FLUSH WITH COPIOUS AMOUNTS OF WATER - CONSULT PHYSICIAN IMMEDIATELY IF THERE IS EYE CONTACT. FIRST AID MUST BE STARTED IMMEDIATELY, SINCE DELAY CAN RESULT IN SERIOUS INJURY FLUSH WITH COPIOUS AMOUNTS OF WATER. CALL A PHYSICIAN AS SOON AS POSSIBLE NO MATTER HOW SLIGHT THE INJURY APPEARS TO BE.

FIRST AID - SKIN CONTACT: WASH HANDS THOROUGHLY WITH SOAP AND WATER.

FIRST AID - INHALATION: INHALATION: REMOVE TO FRESH AIR, RESTORE BREATHING. CONSULT A PHYSICIAN. SKIN CONTACT: FLUSH WITH WATER. EYE CONTACT: FLUSH IMMEDIATELY WITH LARGE AMOUNTS OF WATER. CONSULT A

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SECTION V - HEALTH HAZARD DATA

PHYSICIAN.

FIRST AID - INGESTION: DO NOT INDUCE VOMITING. KEEP PERSON WARM, QUIET AND GET MEDICAL ATTENTION.

PRIMARY ROUTE(S) OF ENTRY: INHALATION SKIN CONTACT EYE CONTACT SKIN ABSORPTION

SECTION VI - REACTIVITY DATA

HAZARDOUS DECOMPOSITION PRODUCTS: THERMAL DECOMPOSITION RELEASES CARBON MONOXIDE AND/OR CARBON DIOXIDE.

CONDITIONS TO AVOID: AVOID STRONG OXIDIZERS, ACIDS AND ALKALIES.

INCOMPATIBILITY: NONE KNOWN.

HAZARDOUS POLYMERIZATION: Will not occur under normal conditions.

STABILITY: This product is stable under normal storage conditions.

SECTION VII - SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: AVOID BREATHING SOLVENT VAPOR. ENSURE ADEQUATE VENTILATION. AVOID SPARKS, FLAMES, AND ANYTHING WHICH COULD CAUSE FIRE. ELIMINATE SOURCE OF SPILL IF YOU CAN DO SO WITHOUT RISK BY CLOSING VALVE, PLUGGING HOLE, ETC.. APPLY ABSORBENT INERT MATERIAL (SAND, DUST, VERMICULITE) TO SPILL. CLEAN SPILL WITH BRISTLE BROOMS, NON-SPARKING TOOLS, CLEAN DRY RAGS. PROTECTIVE CLOTHING SHOULD BE WORN.

WASTE DISPOSAL METHOD: SOAK LIQUIDS WITH SAWDUST OR RAGS AND REMOVE. FLUSH WITH WATER IF POSSIBLE. AVOID SKIN CONTACT. DISPOSAL SHOULD BE IN ACCORDANCE WITH LOCAL, STATE, AND FEDERAL REGULATIONS. DO NOT INCINERATE, CUT OR WELD EMPTY CONTAINERS. WHEN DISCARDED THIS MATERIAL IS AN HAZARDOUS WASTE. TRANSFER LIQUID TO CONTAINERS FOR RECOVERY OR DISPOSAL. EPA HAZARDOUS WASTE CODE F003 HAZARDOUS WASTE CHARACTERISTICS. IGNITABILITY.

SECTION VIII - SAFE HANDLING AND USE INFORMATION

RESPIRATORY PROTECTION: NIOSH/OSHA APPROVED RESPIRATOR TYPES SUITABLE FOR MATERIALS IN SECTION II RECOMMENDED. APPROVED CHEMICAL/MECHANICAL FILTERS RECOMMENDED WHEN VENTILATION IS RESTRICTED.

VENTILATION: SUFFICIENT VENTILATION, IN VOLUME AND PATTERN, SHOULD BE PROVIDED TO KEEP AIR CONTAMINATION BELOW CURRENT APPLICABLE OSHA PERMISSIBLE EXPOSURE LIMIT OR ACGHI'S TLV LIMIT. SOLVENT VAPORS SHOULD BE REMOVED FROM LOWER LEVELS OF WORK AREA AND IGNITION SOURCES SHOULD BE

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SECTION VIII - SAFE HANDLING AND USE INFORMATION

ELIMINATED.

SKIN PROTECTION: USE PROTECTIVE CREAMS WHERE SKIN CONTACT IS LIKELY. WEAR PROTECTIVE GLOVES AND GOGGLES.

EYE PROTECTION: CHEMICAL GOGGLES WITH SIDE SHIELDS OR FACE SHIELD RECOMMENDED.

OTHER PROTECTIVE EQUIPMENT: PRECAUTIONS MUST BE TAKEN SO THAT PERSONS DO NOT HAVE CONTACT WITH EYES OR SKIN. PROTECT AGAINST EXPOSURE TO BOTH VAPOR AND SPRAY MIST. REMOVE AND WASH CONTAMINATED CLOTHING BEFORE REUSE.

HYGIENIC PRACTICES: USE NORMAL HYGIENE PRACTICES DURING AND AFTER HANDLING THIS MATERIAL.

SECTION IX - SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: PRE-EXISTING SENSITIVITY TO SOLVENTS CAN CAUSE A HEIGHTENED REACTION TO EXPOSURE TO THIS PRODUCT. DRUMS SHOULD BE GROUNDED WHEN BEING EMPTIED. THE INFORMATION ACCUMULATED HEREIN IS BELIEVED TO BE ACCURATE BUT IS NOT WARRANTED TO BE WHETHER ORIGINATING WITH RANDOLPH PRODUCTS CO. OR NOT. CONFIRM IN ADVANCE OF USE THE ACCURACY AND SUITABILITY. DATA ACCUMULATED HEREIN ORIGINATES WITH OUR SUPPLIERS. DUE TO VARIATIONS IN RAW MATERIAL BATCHES THERE MAY BE TRACE ELEMENTS OF SUBSTANCES NOT LISTED WHICH WOULD NOT REQUIRE CHANGES TO THIS SHEET.

OTHER PRECAUTIONS: WARNING: THIS PRODUCT CONTAINS CHEMICALS KNOWN TO THE STATE OF CALIFORNIA TO CAUSE BIRTH DEFECTS OR OTHER REPRODUCTIVE HARM.

SECTION X - HMIS RATINGS

HMIS RATINGS - HEALTH: 3 FLAMMABILITY: 3 REACTIVITY: 0

SECTION XI - OTHER REGULATIONS

SARA SECTION 313:

This product contains the following substances subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372:

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ZINC CHROMATE	11103-86-9	30.0 %
TOLUENE	108-88-3	20.0 %

(Continued on Page 5)

SECTION XI - OTHER REGULATIONS

CHEMICAL NAME	CAS NUMBER	WT/WT % IS LESS THAN
XYLENES	1330-20-7	15.0 %
ETHYL BENZENE	100-41-4	5.0 %
BUTYL ALCOHOL	71-36-3	5.0 %

TOXIC SUBSTANCES CONTROL ACT:

This product contains the following chemical substances subject to the reporting requirements of TSCA 12(B) if exported from the United States:

CHEMICAL NAME	CAS NUMBER
No information is available.	

PREVIOUS MSDS REVISION DATE: 07/13/99

LEGEND: N.A. - Not Applicable, N.E. - Not Established,
N.D. - Not Determined

The information contained herein is to the best of our knowledge and belief, accurate. However, since the conditions of handling and use are beyond our control, we make no guarantee of results and assume no liability for damages incurred by use of this material. It is the responsibility of the user to comply with all applicable Federal, State, and Local laws and regulations.

<END OF MSDS>