

===== Product Identification =====

Product ID:ZINC CHROMATE PRIMER,TT-P-1757,YELLOW

MSDS Date:01/01/1987

FSC:8010

NIIN:00-515-2208

MSDS Number: BFCCB

=== Responsible Party ===

Company Name:RANDOLPH PRODUCTS CO

Address:92 N. 12TH STREET

City:CARLSTADT

State:NJ

ZIP:07072

Info Phone Num:201-438-3700

Emergency Phone Num:201-438-3700

CAGE:77672

=== Contractor Identification ===

Compan

y Name:RANDOLPH PRODUCTS CO

Address:701 12TH ST

Box:830

City:CARLSTADT

State:NJ

ZIP:07072-0830

Country:US

Phone:201-438-3700

CAGE:77672

===== Composition/Information on Ingredients =====

Ingred Name:ZINC CHROMATE

CAS:13530-65-9

RTECS #:GB3290000

Fraction by Wt: 34%

OSHA PEL:0.1 MG/M3 (CRO3)

ACGIH TLV:0.01MG/M3(CR)A1;9192

Ingred Name:TOLUENE (SARA III)

CAS:108-88-3

RTECS #:XS5250000

Fraction by Wt: 21%

OSHA PEL:200 PPM/150 STEL

ACGIH TLV:50 PPM; 9293

EPA Rpt Qty:1000 LBS

DOT

Rpt Qty:1000 LBS

Ingred Name:XYLENES (O-,M-,P- ISOMERS) (SARA III)  
CAS:1330-20-7  
RTECS #:ZE2100000  
Fraction by Wt: 19%  
OSHA PEL:100 PPM/150 STEL  
ACGIH TLV:100 PPM/150STEL;9192  
EPA Rpt Qty:1000 LBS  
DOT Rpt Qty:1000 LBS

Ingred Name:RESIN  
Fraction by Wt: 25%

Ingred Name:ADDITIVES  
Fraction by Wt: 1%

===== Hazards Identification =====

LD50 LC50 Mixture:N/K  
Routes of Entry: Inhalation:YES Skin:YES Ingestion:NO  
Reports of Carcinogenicity:NTP:YES IARC:YES  
OSHA:YES  
Health Hazards Acute and Chronic:SEE SIGNS AND SYMPTOMS OF OVEREXPOSURE  
SECTION .  
Explanation of Carcinogenicity:CHROMATE(+6) IS A LISTED CARCINOGEN.  
Effects of Overexposure:ACUTE:SOLVENT VAPORS MAY CAUSE DROWSINESS,  
HEADACHE, DIZZINESS AND IRRITATION OF EYES, NOSE AND THROAT.  
CHRONIC:N/K .  
Medical Cond Aggravated by Exposure:N/K

===== First Aid Measures =====

First Aid:EYES:FLUSH IMMED W/LGE AMTS OF WATER FOR AT LEAST 15 MIN,  
CON  
SULT PHYSICIAN. INHALATION:REMOVE TO FRESH AIR. SUPPORT  
BREATHING (GIVE O\*2/ARTIFICIAL RESPIRATION)CONSULT PHYSICIAN.  
INGESTION:CALL MD IMM EDIATELY .

===== Fire Fighting Measures =====

Flash Point Method:TCC  
Flash Point:45F/7.22C  
Lower Limits:1.2  
Upper Limits:N/K  
Extinguishing Media:SAND FOAM CO\*2, DRY CHEMICAL  
Fire Fighting Procedures:USE NIOSH/MSHA APPROVED SCBA AND FULL  
PROTECTIVE EQUIPMENT .AVOID BRTH VAPOR/FUME.COOL EXPOSED CONTAINERS  
WI

TH WATER TO PREVENT EXPLOSION DUE TO PRESSURE.

Unusual Fire/Explosion Hazard:PREVENT FIRE, KEEP AWAY FROM HEAT,  
SPARKS, AND OPEN FLAMES.

===== Accidental Release Measures =====

Spill Release Procedures:REMOVE ALL SOURCES OF IGNITION,WEAR APPROVED  
RESPIRATOR,CONTAIN SPILL WITH INERT SUBSTANCE (SAND,DIRT),PUT  
MIXTURE IN CONTAINERS FOR DISPOSAL.KEEP SPILL OUT OF SEWERS AND  
OPEN BODIES OF WATER.

Neutralizing Agent:N/K

===== Handling and Storage =====

Handling and Storage Precautions:KEEP AWAY FROM HEAT, FLAME.KEEP AWAY  
FROM CHILDREN.GROUND CONTAINERS AND EQUIPMENT.EMPTY CONTAINERS ARE  
HAZARDOUS, DO NOT CUT OR WELD

Other Precautions:N/K

===== Exposure Controls/Personal Protection =====

Respiratory Protection:USE NIOSH/MSHA APPROVED RESPIRATOR APPROPRIATE  
FOR EXPOSURE OF CONCERN .

Ventilation:EXPLOSION PROOF EXHAUST VENTILATION AT POINT OF CONTAMINANT  
RELEASE.

Protective Clothing:

Protective Clothing:NEOPRENE

Eye Protection:CHEM WORK GOGGLES

Other Protective Equipment:COVERALLS AND BOOTS

Work Hygienic Practices:N/K

Supplemental Safety and Health

BP:110-140C.PH:N.RT OF ENTRY:

===== Physical/Chemical Properties =====

Boiling Pt:B.P. Text:230-284F OR

Melt/Freeze Pt:M.P/F.P Text:N/K

Decomp Temp:Decomp Text:N/K

Vapor Pressure:N/K

Vapor Density:HV THN AIR

Spec Gravity:1.274

pH:N/K-FP

Evaporation Rate & Reference:SLOWER THAN ETHER

Percent Volatiles by Volume

Corrosion Rate:

===== Stability and Reactivity Data =====

Stability Indicator/Materials to Avoid: YES

AVOID CONTACT WITH STRONG OXIDANTS.

Stability Condition to Avoid: FLAME OR HIGH HEAT

Hazardous Decomposition Products: CARBON MONOXIDE MAY FORM WHEN BURNED.

Conditions to Avoid Polymerization: FLAME OR HIGH HEAT.

===== Disposal Considerations =====

Waste Disposal Methods: MANUFACTURER RECOMMENDS LANDFILL. DISPOSAL

METHODS MUST BE IN

ACCORDANCE WITH FEDERAL, STATE & LOCAL REGULATIONS.

Disclaimer (provided with this information by the compiling agencies):

This information is formulated for use by elements of the Department of Defense. The United States of America in no manner whatsoever, expressly or implied, warrants this information to be accurate and disclaims all liability for its use. Any person utilizing this document should seek competent professional advice to verify and assume responsibility for the suitability of this information to their particular situation.