

# SAFETY DATA SHEET

## **Randolph Products Company**

MIL-C-8514C(1) YELLOW WASH PRIMER-GALLON

Date Printed: 2/16/2021

Page 1 of 13

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### **1. Product and Company Identification**

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Product Name : MIL-C-8514C(1) YELLOW WASH PRIMER-GALLON

Product Code : 8514C-A-GL

Recommended Use: Please refer to Product Information/Technical Data Sheet.

#### Company Identification:

Randolph Products Company

33 Haynes Circle

Chicopee, MA 01020

Information Phone: 413-592-4191

Emergency Phone: ChemTel 800-255-3924

### **2. Hazards Identification**

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#### EMERGENCY OVERVIEW

#### HAZARD CLASSIFICATION:

FLAMMABLE LIQUID & VAPOR, CATEGORY 2

ACUTE TOXICITY (ORAL), CATEGORY 4

SKIN IRRITATION, CATEGORY 2

EYE IRRITATION, CATEGORY 2B

SPECIFIC TARGET ORGAN TOXICITY-SINGLE EXPOSURE, CATEGORY 3 (CENTRAL NERVOUS SYSTEM)

CARCINOGENICITY, CATEGORY 1

#### SIGNAL WORD:

DANGER



# SAFETY DATA SHEET

## ***Randolph Products Company***

MIL-C-8514C(1) YELLOW WASH PRIMER-GALLON

Date Printed: 2/16/2021

Page 2 of 13

---

### HAZARD STATEMENTS:

HIGHLY FLAMMABLE LIQUID AND VAPOR  
HARMFUL IF SWALLOWED  
CAUSES SKIN IRRITATION  
CAUSES EYE IRRITATION  
MAY CAUSE DROWSINESS OR DIZZINESS  
MAY CAUSE CANCER

### PRECAUTIONARY STATEMENTS:

Keep away from heat, sparks, open flame/hot surfaces.  
No smoking.  
Keep container tightly closed.  
Ground/bond container and receiving equipment.  
Use explosion-proof electrical/ventilating/lighting and other equipment.  
Use only non-sparking tools.  
Take precautionary measures against static discharge.  
Store/Use outdoors or in a well ventilated place.  
Keep cool.  
Store locked up.  
Wash hands thoroughly after handling.  
Do not eat or drink while using this product.  
Do not breathe vapors.  
If inhaled: Remove person to fresh air and keep comfortable for breathing.  
If swallowed, immediately call a poison control center.  
Rinse mouth.  
Wear protective gloves, protective clothing, eye/face protection.  
If on skin or hair: Take off immediately all contaminated clothing. Rinse skin with water/shower.  
If skin irritation occurs, seek medical advice.  
Take off contaminated clothing and wash it before reuse.  
If exposed or concerned, get medical advice or attention.  
Call a poison center or doctor if you feel unwell.  
If in eyes, rinse cautiously with water for several minutes.  
Remove contact lenses, if present and easy to do. Continue rinsing.  
If eye irritation persists: get medical attention.  
In case of fire: Use dry chemical, CO<sub>2</sub>, Halon or foam to extinguish.  
Dispose of contents/container in accordance with all local, regional, national regulations.  
Obtain special instructions before use.  
Do not handle until all safety precautions have been read and understood.

### Potential Health Effects

Eye:  
Can cause eye irritation.  
Skin:  
Causes skin irritation.  
Ingestion:

# SAFETY DATA SHEET

## **Randolph Products Company**

MIL-C-8514C(1) YELLOW WASH PRIMER-GALLON

Date Printed: 2/16/2021

Page 3 of 13

If swallowed, call a poison control center or physician if you feel unwell.  
Rinse mouth.

### Inhalation:

CONTAINS HEXAVALENT CHROMIUM. Chromates may cause nasal septum perforation. Hexavalent Chrome is listed as a carcinogen by the IARC and NTP and is on ACGIH's A1 list. Repeated, long term exposure to dust and mists in the chromate product industries is associated with an increase in respiratory tract cancer in humans. Prolonged inhalation may cause liver damage. May cause drowsiness or dizziness.

### Chronic (Cancer) Information:

Hexavalent Chrome is listed as a carcinogen by the IARC and NTP and is on ACGIH's A1 list. Repeated, long term exposure to dust and mists in the chromate product industries is associated with an increase in respiratory tract cancer in humans.

IARC: A component of this product present at levels greater than or equal to 0.1% is identified as a probable, possible or confirmed human carcinogen by IARC.

ACGIH: A component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

NTP: A component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

### Teratology (Birth Defects) Information:

INFORMATION NOT AVAILABLE.

### Reproduction Information:

INFORMATION NOT AVAILABLE.

### Aggravation of Pre-Existing Conditions:

Dermatitis or other skin conditions.

## **3. Composition/Information on Ingredients**

Component	CAS#	% by Wt.
ISOPROPYL ALCOHOL	67-63-0	58
ACGIH: 200 PPM TWA		
ACGIH: 400 PPM STEL		
OSHA: 400 PPM TWA		
OSHA: 500 PPM CEILING		

# SAFETY DATA SHEET

## **Randolph Products Company**

MIL-C-8514C(1) YELLOW WASH PRIMER-GALLON

Date Printed: 2/16/2021

Page 4 of 13

---

* N-BUTANOL	71-36-3	19
ACGIH: 50 PPM "SKIN" TWA		
OSHA: 50 PPM CEILING		
*#+ BASIC ZINC CHROMATE	13530-65-9	9.102
ACGIH TLV: 0.01 MG/M3 (AS CHROMIUM) TWA		
OSHA PEL: 0.005 mg/m3 TWA, Chromium (VI)		
TALC	14807-96-6	1
OSHA: 2 MG/M3		
ACGIH: 2 MG/M3		

### **4. First Aid Measures**

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#### Eyes:

If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

If eye irritation persists: Get medical advice/attention.

#### Skin:

If on skin: wash with plenty of soap & water. If skin irritation occurs: Get Medical advice/attention.

Take off contaminated clothing and wash it before reuse.

#### Ingestion:

If swallowed: Immediately call a poison center/physician.  
Do NOT induce vomiting.

#### Inhalation:

If inhaled: Remove person to fresh air and keep comfortable for breathing.  
Call a poison control center/get medical attention if you feel unwell.

#### Note to Physicians:

Treatment should be directed at preventing absorption, administering to symptoms (if they occur), and providing supportive therapy. This product contains one or more heavy metals, or heavy metal-containing compounds. The appropriate treatment following heavy metal intoxication is specific; therefore, consult a poison control center.

### **5. Fire Fighting Measures**

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#### Flammable Properties:

Flash Point: 53 F

Method:

Explosive Limits:

Lower explosive limit: 1.5

# SAFETY DATA SHEET

## **Randolph Products Company**

MIL-C-8514C(1) YELLOW WASH PRIMER-GALLON

Date Printed: 2/16/2021

Page 5 of 13

---

Upper explosive limit: 12.0

Autoignition Temperature:

INFORMATION NOT AVAILABLE.

Hazardous Combustion Products:

Smoke, soot and carbon dioxide, carbon monoxide.

Extinguishing Media:

Dry chemical, CO2, Halon, Foam

Firefighting Procedures:

Special Fire-Fighting Procedures: Wear self-contained breathing apparatus and protective clothing.

Unusual Fire and Explosion Hazards: High temperatures can cause sealed containers to rupture due to a build up of internal pressure. Cool with water spray. Vapors are heavier than air and can travel some distance away and flash back.

Sensitivity to Static Discharge: Material may accumulate a static charge which could act as an ignition source.

Precautions should be taken when pouring to minimize splash/free fall.

## **6. Accidental Release Measures**

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Small Spill:

See Information for Large Spill, below:

Large Spill:

Use personal protective equipment. Ensure adequate ventilation. Remove all sources of ignition. Evacuate personnel to safe areas. Beware of vapors accumulating to form explosive concentrations. Vapors can accumulate in low areas.

Environmental Precautions:

INFORMATION NOT AVAILABLE.

Methods/Materials for Containment and Cleaning Up:

Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand earth, diatomaceous earth, vermiculite) and place in container for disposal according to local/state/federal regulations.

## **7. Handling and Storage**

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Handling:

Keep away from heat, sparks, open flames, hot surfaces. NO SMOKING. Keep container tightly closed.

Ground/bond container and receiving equipment.

Use explosion-proof electrical/ventilating/lighting/processing equipment.

Use only non-sparking tools.

Take precautionary measures against static discharge.

# SAFETY DATA SHEET

## **Randolph Products Company**

MIL-C-8514C(1) YELLOW WASH PRIMER-GALLON

Date Printed: 2/16/2021

Page 6 of 13

---

Wear protective gloves/eye protection/face protection.

### Storage:

Prevent unauthorized access.  
Store in a well ventilated place.  
Keep container tightly closed.  
Keep cool.

## **8. Exposure Controls/Personal Protection**

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### Airborne Exposure Limits:

SEE SECTION 3 FOR THIS INFORMATION

### Engineering Controls:

Ventilation: Good general ventilation (typically 10 air changes per hour) should be used.

Ventilation rates should be matched to conditions.

Ventilation should be explosion proof.

Supplementary local exhaust ventilation, closed systems, or respiratory protection may be needed in special circumstances such as poorly ventilated spaces, spray painting, mechanical generation of dusts, heating, drying, etc.

### Personal Protective Equipment

#### Respiratory Protection:

If engineering controls do not maintain airborne concentrations to an acceptable level, an approved respirator must be

worn. In the United States of America, if respirators are used, a program should be instituted to assure compliance

with OSHA Standard 63 CFR 1152, January 8, 1998. Respirator type: Organic Vapor.

#### Skin Protection:

Wear impervious gloves to prevent skin contact.

Recommended Decontamination Facilities: eye bath, washing facilities, safety shower.

#### Eye Protection:

Chemical safety goggles or glasses with side shields.

## **9. Physical and Chemical Properties**

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Boiling Point: 180 F

Melting Point:

INFORMATION NOT AVAILABLE.

Freezing Point: n/a

# SAFETY DATA SHEET

## **Randolph Products Company**

MIL-C-8514C(1) YELLOW WASH PRIMER-GALLON

Date Printed: 2/16/2021

Page 7 of 13

---

Vapor Pressure:  
Information not available for mixture  
Vapor Density:  
HEAVIER THAN AIR  
Solubility in Water:  
NEGLIGIBLE  
Evaporation Rate: SLOWER THAN ETHER

Specific Gravity: .893

Weight per Gallon: 7.439 lb/gal

Coating VOC: 5.91 lb/gal

Material VOC: 5.76 lb/gal

Odor:  
Mild solvent odor.

Appearance:  
Liquid.

Partition Coefficient:  
INFORMATION NOT AVAILABLE.

### **10. Stability and Reactivity**

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Chemical Stability (Conditions to Avoid):  
Stable under normal storage/use conditions.  
Incompatibility:  
Avoid strong oxidizing agents, acids and alkalies.  
Hazardous Decomposition Products:  
INFORMATION NOT AVAILABLE.  
Hazardous Polymerization:  
Will not occur under normal conditions.

### **11. Toxicological Information**

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Eye Irritation/Damage:  
Component 13530-65-9:  
Mild eye irritation, Category 2b  
Component 71-36-3:  
Moderate eye irritation, Category 2  
Component 67-63-0:  
Serious eye irritation, Category 2

Skin Irritation/Damage:  
Component 13530-65-9:  
LD50: No data

# SAFETY DATA SHEET

## **Randolph Products Company**

MIL-C-8514C(1) YELLOW WASH PRIMER-GALLON

Date Printed: 2/16/2021

Page 8 of 13

---

Mild skin irritation.

Component 71-36-3:

LD50: 3,400 mg/kg, rabbit. Not categorized.

Mild skin irritant, category 2

Component 67-63-0:

LD50: 12,800 mg/kg, rat. Not categorized.

Mild skin irritation, Not Categorized.

Acute Oral Toxicity:

Component 13530-65-9:

LD50: no data

Component 71-36-3:

LD50: 790 mg/kg, rat. Category 4

Component 67-63-0:

LD50: 5045 mg/kg, rat. Not categorized

Acute Inhalation Toxicity:

Component 13530-65-9:

no data

Component 71-36-3:

LC50: 8000 ppm, rat. Category 4

Component 67-63-0:

LC50: 16000 ppmv, rat. Category 4

Respiratory/Skin Sensitization:

Component 13530-65-9:

Caused skin sensitization in animal studies. ACUTE OR CHRONIC OVEREXPOSURE TO CHROMATES MAY CAUSE SENSITIZATION IN SOME INDIVIDUALS, RESULTING IN ALLERGIC RESPIRATORY REACTIONS INCLUDING WHEEZING, SHORTNESS OF BREATH AND DIFFICULTY BREATHING. ANIMAL TESTS INDICATE THAT SKIN CONTACT MAY PLAY A ROLE IN CAUSING RESPIRATORY SENSITIZATION.

Component 71-36-3:

No evidence of respiratory or skin sensitization.

Component 67-63-0:

No evidence of respiratory or skin sensitization.

Carcinogenicity:

Component 13530-65-9:

Listed by IARC as a group 1 carcinogen (carcinogenic to humans), and as a known carcinogen by NTP. GHS Category 1A.

Component 71-36-3:

Not listed as a carcinogen by IARC, NTP, OSHA or ACGIH

Component 67-63-0:

Not listed as a carcinogen by IARC, NTP, OSHA or ACGIH



# SAFETY DATA SHEET

## **Randolph Products Company**

MIL-C-8514C(1) YELLOW WASH PRIMER-GALLON

Date Printed: 2/16/2021

Page 9 of 13

---

### Reproductive Toxicity:

Component 13530-65-9:

No data

Component 71-36-3:

No evidence of human reproductive toxicity.

Component 67-63-0:

No evidence of human reproductive toxicity.

### Germ Cell Mutagenicity:

Component 13530-65-9:

No data

Component 71-36-3:

No data

Component 67-63-0:

No data

### Aspiration Toxicity:

Component 13530-65-9:

Not classified as an Aspiration Hazard.

Component 71-36-3:

Not classified as an Aspiration Hazard.

Component 67-63-0:

Not classified as an Aspiration Hazard

### STOT-single exposure

Component 13530-65-9:

No data

Component 71-36-3:

May cause respiratory irritation. May cause drowsiness or dizziness.

Component 67-63-0:

No data

### STOT-repeated exposure

Component 13530-65-9:

No data

Component 71-36-3:

No data Component 67-63-0:

No Data

### Routes of Exposure:

Inhalation of vapors, skin/eye/mucous membrane absorption, ingestion.

# SAFETY DATA SHEET

## **Randolph Products Company**

MIL-C-8514C(1) YELLOW WASH PRIMER-GALLON

Date Printed: 2/16/2021

Page 10 of 13

---

### **12. Ecological Information**

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#### Environmental Toxicity:

Component 13530-65-9:

No data

Component 71-36-3:

LC50: >100 mg/l (fish); EC50: >100 mg/l (daphnia)

Component 67-63-0:

LC50: >1400 mg/l (fish)

#### Persistence & degradability:

Component 13530-65-9:

Not readily biodegradable

Component 71-36-3:

This material is expected to be readily biodegradable.

Component 67-63-0:

No Data

#### Bioaccumulative potential:

Component 13530-65-9:

No data

Component 71-36-3:

Not expected to significantly bioaccumulate

Component 67-63-0:

No Data

#### Mobility in soil:

Component 13530-65-9:

No data

Component 71-36-3:

When released into the soil, this material is expected to leach into groundwater.

Component 67-63-0:

No data

#### Other Adverse Ecological Effects:

No information

# SAFETY DATA SHEET

## ***Randolph Products Company***

MIL-C-8514C(1) YELLOW WASH PRIMER-GALLON

Date Printed: 2/16/2021

Page 11 of 13

---

Component 13530-65-9:

Very Toxic to aquatic organisms

### **13. Disposal Considerations**

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Waste Disposal Method:

Discharge, treatment or disposal is subject to national, state, or local laws. When a decision is made to discard this material as supplied, it meets RCRA's characteristic definition of ignitability. The toxicity characteristic (TC) has not been evaluated by the Toxicity Characteristic Leaching Procedure (TCLP). Federal Regulations may apply to empty container. State and/or local regulations may be different.

Of the methods of disposal currently available, it is recommended that an alternative be selected according to the following order of preference, based upon environmental acceptability: (1) recycle or rework, if feasible; (2) incinerate at an authorized facility; or (3) treat at an acceptable waste treatment facility.

Be sure to contact the appropriate government environmental agencies if further guidance is required.

### **14. Transport Information**

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Domestic (Land, DOT), International (Water, IMO/IMDG), International (Air, ICAO) Road and Rail (ADR/RID), Air (ICAO/IATA), Vessel (IMO/IMDG):

DOT (USA) Shipping Name: Paint

UN/NA ID No: UN1263

Hazard Class: Class 3 (IATA/49CFR)

Packing Group: II

Environmental Hazards:

INFORMATION NOT AVAILABLE.

Marine Pollutant:

Components of this product do not appear on the list of Marine Pollutants (49CFR 172.101)

Special Precautions for User:

INFORMATION NOT AVAILABLE.

### **15. Regulatory Information**

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U.S. Federal Regulations:

# SAFETY DATA SHEET

## *Randolph Products Company*

MIL-C-8514C(1) YELLOW WASH PRIMER-GALLON

Date Printed: 2/16/2021

Page 12 of 13

---

TSCA: All components of this material are on the US TSCA 8(b) Inventory or are exempt from listing.

### OSHA:

This product is hazardous under OSHA's Hazard Communication Std. Not regarded as a health hazard under current legislation.

CERCLA: SARA Hazard Category:  
INFORMATION NOT AVAILABLE.

#### Section 313:

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

#### International Regulations:

##### Canadian WHMIS:

INFORMATION NOT AVAILABLE.

##### Canadian Environmental Protection Act (CEPA):

INFORMATION NOT AVAILABLE.

##### EINECS:

INFORMATION NOT AVAILABLE.

#### State Regulations:

"#" Indicates a chemical known to the state of California to cause cancer, birth defects or other reproductive harm.

"+" Indicates a Clean Air Act Hazardous Air Pollutant (HAP).

#### Volatile Organic Compounds:

COATING VOC content is being expressed as mass of VOC per unit volume of coating less water and exempt solvents, where applicable.

MATERIAL VOC content is the actual weight of VOC per unit volume.

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## 16. Other Information

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Date Revised: 02/04/20

Prepared By: Regulatory Compliance

Information Contact: Regulatory Compliance 413-592-4191 ext 106

#### Manufacturer Disclaimer:

USERS RESPONSIBILITY: A bulletin such as this cannot be expected to cover all possible individual situations. As the user has the responsibility to provide a safe workplace, all aspects of an individual operation should be examined to determine if, or where, precautions - in addition to those described herein - are required. Any health hazard and safety information herein should be passed on to your customers or employees, as the case may be.

DISCLAIMER OF LIABILITY: The information contained herein is, to the best of our knowledge and belief, accurate.

# SAFETY DATA SHEET

## ***Randolph Products Company***

MIL-C-8514C(1) YELLOW WASH PRIMER-GALLON

Date Printed: 2/16/2021

Page 13 of 13

---

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. All chemicals may present unknown health hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards which exist. Final determination of suitability of the chemical is the sole responsibility of the user. No representations or warranties, either expressed or implied, of merchantability, fitness for a particular purpose or any other nature are made hereunder with respect to the information contained herein or the chemical to which the information refers. These data relate only to the specific material designated herein and do not relate to use in combination with any other material. It is the responsibility of the user to comply with all applicable federal, state and local laws and regulations.

End of Material Safety Data Sheet