## Polymeric Engineered Solutions

PES WE EPOXY SURFACE PRIMER KIT - PAIL

Date Printed: 6/21/2017

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#### 1. Product and Company Identification

Product Name PES WB EPOXY SURFACE PRIMER KIT - PAIL

Product Code 650C01-PLKIT

Recommended Use: All components of this material are on the

US TSCA S(b) Inventory or are exempt from listing. Please refer to Product

Information/Technical Data Sheet.

Company Identification:

Polymeric Engineered Solutions

5401 Hwy 21

Bryan, TX 77803

Information Phone: 979-779-8700

Emergency Phone: ChemTel 800-255-3924

#### 2. Hazards Identification

EMERGENCY OVERVIEW

NO SIGNAL WORD OR PICTOGRAMS APPLY TO THIS PRODUCT

Potential Health Effects

Eye:

May cause mechanical irritation.

Skin:

May cause mechanical skin irritation.

Ingestion:

Not hazardous in normal industrial use.

Inhalation:

Can be irritating to the eyes, nose and respiratory tract following prolonged exposure. Can cause wheezing, coughing,

shortness of breath and tightness in the chest. Not expected to cause effects from inhalation.

Chronic (Cancer) Information:

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probably, possible or confirmed human carcinogen by IARC.

ACGIH: No 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.

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NTP: No 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:

No specific information.

Reproduction Information:

No specific information.

Aggravation of Pre-Existing Conditions:

No specific information.

### 3. Composition/Information on Ingredients

Component CAS# % by Wt.

1-METHOXY 2-PROPANOL 107-98-2 **3** 

ACGIH: 100 PPM TWA
OSHA: 100 PPM TWA
ACGIH: 150 PPM STEL
OSHA: 150 PPM CEILING

#### 4. First Aid Measures

#### Eyes:

Any material that contacts the eye should be washed out immediately with water. Flush with water for at least 15

minutes. If easy to do, remove contact lenses. Get medical attention if symptoms persist.

#### Skin:

Wash with soap and water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.

Ingestion:

Do NOT induce vomiting. Drink 1 or 2 glasses of milk or water to dilute. Call a poison control center or get medical

attention immediately. Never give anything by mouth to an unconscious person.

## Inhalation:

If symptomatic, move to fresh air. Get medical attention if symptoms persist.

Note to Physicians:

INFORMATION NOT AVAILABLE.

#### 5. Fire Fighting Measures

Flammable Properties:

Flash Point: > 200 F

Explosive Limits:

Lower explosive limit: 6.0 Upper explosive limit: 13.8

Method:

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#### Autoignition Temperature:

INFORMATION NOT AVAILABLE.

Hazardous Combustion Products:

#### Smoke, soot and carbon dioxide, carbon monoxide.

Extinguishing Media:

Water based material will not burn until all water has boiled away. Residual solids and/or product container may support combustion. Use water, foam, dry chemical or CO2.

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.

## 6. Accidental Release Measures

Small Spill:

See Information for Large Spill, below:

Large Spill:

Isolate hazard area. Keep unnecessary and unprotected personnel from entering. Safely stop discharge. Cover spills

with absorbent and sweep or scoop up and place in closed chemical waste containers. Dispose of according to local,

state and federal regulations. Use personal protective equipment. Ensure adequate ventilation.

#### **Environmental Precautions:**

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. 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.

#### 7. Handling and Storage

#### Handling:

Store in a cool, dry, well ventilated area. Keep containers tightly closed. EMPTY CONTAINER PRECAUTIONS: Attention! This container is hazardous when empty. Follow label warnings even after

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container is emptied since empty containers may retain product residues. Do not re-use empty container without

professional cleaning for food, clothing or products. for human or animal consumption or where skin contact can occur.

#### Storage:

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

#### 8. Exposure Controls/Personal Protection

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

Boiling Point: 212 F Freezing Point: 32 F

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Vapor Pressure:

NO INFORMATION AVAILABLE

Vapor Density: HEAVIER THAN AIR Solubility in Water:

SOLUBLE

Evaporation Rate: SLOWER THAN ETHER

Specific Gravity: 1.046

pH Range: 8-10

Coating VOE: 0.65 lb./gal

Material VOE: 0.29 lb./gal

Odor:

Mild acrylic odor.

Appearance: Liquid.

Partition Coefficient: INFORMATION NOT AVAILABLE.

10. Stability and Reactivity

Chemical Stability (Conditions to Avoid):

Stable under normal storage/use conditions.

Incompatibility:

Avoid strong oxidizing agents, acids and alkalies.

Hazardous Decomposition Products:

Smoke, soot and carbon dioxide, carbon monoxide.

Hazardous Polymerization:

Will not occur under normal conditions.

## 11. Toxicological Information

Eye Irritation/Damage:

SEE SECTION 3

Skin Irritation/Damage:

SEE SECTION 3

Acute Oral Toxicity:

SEE SECTION 3 Component 107-98-2: LDS0: 7200 mg/kg, rat. Category 5

Acute Inhalation Toxicity:

SEE SECTION 3

Respiratory/Skin Sensitization:

INFORMATION NOT AVAILABLE.

Carcinogenicity:

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SEE SECTION 3
Reproductive Toxicity:
SEE SECTION 3
Germ Cell Mutagenicity:
INFORMATION NOT AVAILABLE.
Aspiration Toxicity:
Component 107-98-2:
Not classified as an Aspir

Not classified as an Aspiration Hazard.

STOT-single exposure: Component 107-98-2:

No data

STOT-repeated exposure:

Component 107-98-2:

No data

Routes of Exposure:

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

INFORMATION NOT AVAILABLE.

#### 12. Ecological Information

Environmental Toxicity:

INFORMATION NOT AVAILABLE.

Persistence & degradability:

INFORMATION NOT AVAILABLE.

Bioaccumulative Potential:

INFORMATION NOT AVAILABLE.

Mobility in soil:

INFORMATION NOT AVAILABLE.

Other Adverse Ecological Effects:

No information

#### 13. Disposal Considerations

Waste Disposal Method:

Discharge, treatment or disposal is subject to national, state, or local laws. 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.

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

Contaminated Materials: INFORMATION NOT AVAILABLE.

#### 14. Transport Information

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: Not regulated by DOT/IATA

UN/NA ID No: n/a Hazard Class: n/a Packing Group: n/a

UN Number:

UN Shipping Name:

INFORMATION NOT AVAILABLE.

Transport Hazard Class:

Packing Group:

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

U.S. Federal Regulations:

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

OSHA:

This product is not considered to be hazardous under OSHA's Hazard Communication Std

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):

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INFORMATION NOT AVAILABLE.

**EINECS:** 

INFORMATION NOT AVAILABLE.

State Regulations:

INFORMATION NOT AVAILABLE.

Volatile Organic Compounds:

COATING VOE content is being expressed as mass of VOE per unit volume of

### coating less water and exempt solvents, where

applicable.

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

#### 16. Other Information

Date Revised: 01/06/17

Prepared By: Regulatory Compliance

Information Contact: Regulatory Compliance 979-779-8700

#### 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.

# 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  $\mbox{\it herein}$  and  $\mbox{\it do}$  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

## Polymeric Engineered Solutions

PES WB EPOXY SURFACE PRIMER PT B - GALLON

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#### 1. Product and Company Identification

Product Name RANDOGRIP WB EPOXY SURFACE PRIMER PT B - GALLON

Product Code 655C01-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

EMERGENCY OVERVIEW

DANGER

Flammable Liquid & Vapor, Category 3 Acute Toxicity, Category 5 Skin Irritation, Category 2 Eye Irritation, Category 2B





Potential Health Effects

Eye:

Can cause eye irritation.

Skin:

Causes skin irritation.

Ingestion:

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

Inhalation:

May cause drowsiness or dizziness.

Chronic (Cancer) Information:

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IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probably, possible or confirmed human carcinogen by IARC.

ACGIH: No 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: No 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:
No specific information.
Reproduction Information:
No specific information.
Aggravation of Pre-Existing Conditions:

Dermatitis or other skin conditions.

### 3. Composition/Information on Ingredients

Component CAS# % by Wt.

1-METHOXY 2-PROPANOL 107-98-2 16
ACGIH: 100 PPM TWA
OSHA: 100 PPM TWA
ACGIH: 150 PPM STEL

#### 4. First Aid Measures

OSHA: 150 PPM CEILING

#### 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:

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If swallowed: Immediately call a poison center/physician.

Do NOT induce vomiting.

Inhalation:

If symptomatic, move to fresh air. Get medical attention if symptoms persist.

Note to Physicians:

INFORMATION NOT AVAILABLE.

#### 5. Fire Fighting Measures

Flammable Properties:

Flash Point: 89 F

Method:

Explosive Limits:

Lower explosive limit: 6.0 Upper explosive limit: 13.8

Autoignition Temperature:

INFORMATION NOT AVAILABLE.

Hazardous Combustion Products:

INFORMATION NOT AVAILABLE.

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

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:

Methods/Materials for Containment and Cleaning Up:

Contain spillage, and then collect with non-combustible absorbent material,

(e.g. sand earth, diatomaceous earth,

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vermiculite) and place in container for disposal according to local/state/federal regulations.

#### 7. Handling and Storage

#### 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.

Wear protective gloves/eye protection/face protection.

#### Storage:

INFORMATION NOT AVAILABLE.

#### 8. Exposure Controls/Personal Protection

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.

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#### 9. Physical and Chemical Properties

Boiling Point: 248 F

Melting Point:

INFORMATION NOT AVAILABLE.

Freezing Point: n/a

#### Vapor Pressure:

10.90

Vapor Density: HEAVIER THAN AIR

Solubility in Water:

NEGLIGIBLE

Evaporation Rate: SLOWER THAN ETHER

Specific Gravity: 1.019

Coating VOE: 3.31 lb./gal

Material VOE: 1.33 lb./gal

Odor:

Mild solvent odor.

Appearance: Liquid.

Partition Coefficient:

INFORMATION NOT AVAILABLE.

## 10. Stability and Reactivity

Chemical Stability (Conditions to Avoid):

Stable under normal storage/use conditions.

Incompatibility:

Avoid strong oxidizing agents, acids and alkalies.

Hazardous Decomposition Products:

Smoke, soot and carbon dioxide, carbon monoxide.

Hazardous Polymerization:

Will not occur under normal conditions.

## 11. Toxicological Information

Eye Irritation/Damage: INFORMATION NOT AVAILABLE. Skin Irritation/Damage: INFORMATION NOT AVAILABLE. Acute Oral Toxicity: Component 107-98-2:

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LD50: 7200 mg/kg, rat. Category 5

Acute Inhalation Toxicity:

INFORMATION NOT AVAILABLE.

#### Respiratory/Skin Sensitization:

INFORMATION NOT AVAILABLE.

#### Carcinogenicity:

INFORMATION NOT AVAILABLE.

Reproductive Toxicity:

INFORMATION NOT AVAILABLE.

Germ Cell Mutagenicity:

INFORMATION NOT AVAILABLE.

Aspiration Toxicity:

Component 107-98-2:

Not classified as an Aspiration Hazard.

STOT-single exposure

Component 107-98-2:

No data

STOT-repeated exposure

Component 107-98-2:

No data

Routes of Exposure:

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

#### 12. Ecological Information

Environmental Toxicity:

INFORMATION NOT AVAILABLE.

Persistence & degradability:

INFORMATION NOT AVAILABLE.

Bioaccumulative potential:

INFORMATION NOT AVAILABLE.

Mobility in soil:

INFORMATION NOT AVAILABLE.

Other Adverse Ecological Effects:

No information

#### 13. Disposal Considerations

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).

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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 quidance is required.

#### 14. Transport Information

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: III

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

U.S. Federal Regulations:

TSCA: All components of this material are on the US TSCA B(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):

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INFORMATION NOT AVAILABLE.

**EINECS:** 

INFORMATION NOT AVAILABLE.

State Regulations:

INFORMATION NOT AVAILABLE.

Volatile Organic Compounds:

COATING  ${\tt VOE}$  content is being expressed as mass of  ${\tt VOE}$  per unit volume of coating less water and exempt solvents, where

applicable.

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

#### 16. Other Information

MSDS Revision Date: 01/19/17

Prepared By: Regulatory Compliance

Information Contact: Regulatory Compliance 979-779-8700

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.

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