Polymeric Engineered Solutions PES 2500 GRAY - GAL KIT

Date Printed: 01/03/2017

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1. Product and Company Identification

Product Name: PES 2500 GRAY - GAL KIT

Product Code: 600D08-GLKIT

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

Company Identification: Polymeric Engineered Solutions

> 5401 Hwy 21 West Bryan, TX 77803

Information Phone: 979-779-8700

Emergency Phone: ChemTel 800-255-3924

2. Hazards Identification

EMERGENCY OVERVIEW

WARNING

Chronic Toxicity (Carcinogenicity) Category 1

Potential Health Effects

May cause mechanical irritation.

Skin:

May cause mechanical skin irritation

Not hazardous in normal industrial use.

Inhalation:

Not expected to cause effects from inhalation.

Chronic (Cancer) Information:

Contains CRYSTALLINE SILICA, which can be a health hazard. Respirable

crystalline silica can cause the occupational

lung disease silicosis (a scarring of the lungs), and IARC $_{
m concluded}$ in October 1996 that crystalline silica is

carcinogenic to humans. Silicosis_ increases the risk of tuberulosis, autoimmune and chronic kidney diseases, as well as

non-malignant respiratory disease (such as chronic bronchitis and emphysema). 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.

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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 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: INFORMATION NOT AVAILABLE.

3. Composition/Information on Ingredients

| Component | CAS# | % by Wt. |
|--|------------|----------|
| NEPHELINE SYENITE OSHA: 5MG/M3 TWA (RESPIRABLE FRACTION) ACGIH: 10 MG/M3 TWA (INHALABLE FRACTION) MSHA 5 MG/M3 TWA (RESPIRABLE FRACTION) | 37244-96-5 | 26 |
| QUARTZ (RESPIRABLE DUST ONLY; THIS WOULD INCLUDE ONLY PARTICLES 10 MICROMETERS OR LESS: OSHA PEL: 0.1 MG/M3 ACGIH TLV: 0.1 MG/M3 | 14808-60-7 | 25 |
| ALUMINUM OXIDE | 1344-28-1 | 21 |
| 1-METHOXY 2-PROPANOL ACGIH: 100 PPM TWA OSHA: 100 PPM TWA OSHA: 150 PPM CEILING | 107-98-2 | 1 |
| TITANIUM DIOXIDE ACGIH: 10 MG/M3 TWA - NUISANCE DUST OSHA: 10 MG/M3 TWA - NUISANCE DUST | 13463-67-7 | .813 |

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

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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

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

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:

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.

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

6. Accidental Release Measures

Small Spill:

See Information for Large Spill, below:

Large Spill:

Use personal protective equipment. Ensure adequate ventilation.

Environmental Precautions:

Methods/Materials for Containment and Cleaning Up:

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

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7. Handling and Storage

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 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 resiratory 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:

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Wear impervious gloves to prevent skin contact.

Recommended decontamination Facilities: eyebath, 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

Vapor Pressure:

NO INFORMATION AVAILABLE

Vapor Density: HEAVIER THAN AIR Solubility in Water:

SOLUBLE

Evaporation Rate: SLOWER THAN ETHER

Specific Gravity: 2.002

pH Range: 8-10

Coating VOC: 0.25 lb/gl

Material VOC: 0.25 lb/gl

Odor:

Mild acrylic odor.

Appearance: Liquid.

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: Component 37244-96-5:

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Mechanical eye irritation only

Skin Irritation/Damage:

Component 37244-96-5:

LD50: No data

Acute Oral Toxicity:

Component 13463-67-7:

LD50: 10,000 mg/kg, rat. Category 5

Component 14808-60-7:

LD50: >5000 mg/kg, rat. Category 5

Component 37244-96-5:

LD50: no data

Component 107-98-2:

LD50: 7200 mg/kg, rat. Category 5

Acute Inhalation Toxicity:

INFORMATION NOT AVAILABLE.

Respiratory/Skin Sensitization:

Component 37244-96-5:

No evidence of respiratory or skin sensitization.

Carcinogenicity:

Component 13463-67-7:

Listed by IARC as a group 2B carcinogen (possibly carcinogenic to humans). GHS Category 2.

Component 14808-60-7:

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

Component 37244-96-5:

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

Reproductive Toxicity:

Component 37244-96-5:

No evidence of human reproductive toxicity.

Germ Cell Mutagenicity:

Component 37244-96-5:

No data

Aspiration Toxicity:

Component 37244-96-5:

Not classified as an Aspiration Hazard.

Component 107-98-2:

Not classified as an Aspiration Hazard.

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STOT single exposure:

Component 37244-96-5:

No data

Component 107-98-2:

No data

STOT-repeated exposure:

Componet 37244 96 5:

NO data

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:

Component 37244-96-5:

No data

Persistance & degradability:

Component 37244-96-5:

No data

Bioaccumulative Potential:

Component 37244-96-5:

No data

Mobility in soil:

Componet 37244-96-5

No data

Other Adverse Ecological Effects:

No information

Component 37244-96-5:

Not expected to present an environmental hazard.

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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.

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

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:

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INFORMATION NOT AVAILABLE.

15. Regulatory Information

U.S. Federal Regulations:

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:

INFORMATION NOT AVAILABLE.

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.

16. Other Information

Date Revised: 01/03/17

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.

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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

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1. Product and Company Identification

Product Name PES 2500 HARDENER - QUART

Product Code 610C11-QT

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

Polymeric Engineered Solutions 5401 Hwy 21 West Bryan, TX 77803

Information Phone: 979-779-8700

Emergency Phone: ChemTel 800-255-3924

2. Hazards Identification

EMERGENCY OVERVIEW

DANGER

Acute Toxicity, Category 1
Skin Corrosion, Category 1A
Serious Eye Damage, Category 1
Causes severe skin burns and eye damage, Category 1
Chronic, Respiratory Sensitizer, Category 1; Skin Sensitizer, Category 1B
May be corrosive to metals





Potential Health Effects

Eye:

This product is a primary eye irritant and corrosive effects were indicated by animal studies. Causes eye irritation.
:Skin:

May cause moderate irritation. May cause allergic skin reactions and sensitization. Can cause redness, itching, and burning sensation. Causes skin irritation.

Ingestion:

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of Magnetic

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

May cause an allergic respiratory response in some susceptible individuals. This response can range from mild wheezing

to a severe asthmatic type attack. May cause drowsiness or dizziness.

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 leveles 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 leveles 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 leveles 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

| POLYAMIDO AMINE NONE ESTABLISHED; CAUSES SEVERE SKIN AND EYE IRRITAT: | 68605-86-7 ION OR BURNS | 49 |
|---|----------------------------|----------|
| TOFA REACTION PRODUCTS W/TEPA EPOXIZED OLEIC ACID REACTION PRODUCTS W/ TEPA | 68953-36-6 68298-14-6 | 27 _9 |
| AMORPHOUS SILICA ACGIH: 10 MG/M3 TWA, TOTAL DUST | 67762-90-7 | 7 |
| ACGIH: 3 MG/M3 TWA, RESPIRABLE DUST OSHA PEL: 6 MG/M3 TWA | | |
| 4-TERT-BUTYLPHENOL NONE ESTABLISHED | 98-54-4 | 4 |
| M-XYLENEDIAMINE | 1477-55-0 | 2 |
| OSHA OEL: 0.1 mg/m3 (CEILING); SKIN DESIGNATION | | |
| ACGIH TLV: 0.1 mg/m3 (CEILING); SKIN DESIGNATION | | |
| CAUSES SEVERE IRRITATION AND BURNS, POSSIBLE ALLERGIC | REACTION | |

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1,5-PENTANEDIAMINE, 2-METHYL CAUSES RESPIRATORY SENSITIZATION

CAUSES SEVERE IRRITATION AND BURNS

15520-10-2

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4. First Aid Measures

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:

INFORMATION NOT AVAILABLE.

5. Fire Fighting Measures

Flash Point: 220 F

Method:

Explosive Limits:

Lower explosive limit: n/a Upper explosive limit: n/a

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.

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Unusual Fire and Explosion Hazards: High temperatures can cause sealed containers to rupture due to 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:

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

Handling:

INFORMATION NOT AVAILABLE.

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.

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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:

It 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: n/a

Melting Point:

INFORMATION NOT AVAILABLE.

Freezing Point: n/a

Vapor Pressure:

Vapor Density:

HEAVIER THAN AIR

Solubility in Water:

NEGLIGIBLE

Evaporation Rate: Slower than Ether

Specific Gravity: 1.001

Coating VOC: 0.03 lb/gl

Material VOC: 0.03 lb/gl

Odor:

INFORMATION NOT AVAILABLE.

Appearance: Liquid.

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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:
INFORMATION NOT AVAILABLE.
Hazardous Polymerization:
Will not occur under normal conditions.

11. Toxicological Information

Eye Irritation/Damage: Component 1477-55-0: Serious eye damage, Category 1 Component 67762-90-7: Non-irritating. Component 15520-10-2: Serious eye damage, Category 1 Component 68605-86-7: Serious eye damage, Category Components 68953-36-6 & 68298-14-6: Serious eye damage, Category 1 Component 98-54-4: Serious eye damage, Category 1 Skin Irritation/Damage: Component 1477-55-0: LD50: no data

Component 67762-90-7:

LD50: No data, Non-irritating.

Component 15520-10-2:

LD50: no data

Corrosive to skin, category 1A

Component 68605-86-7:

LD50: 800 mg/kg, rat. Category 3

Extremely corrosive to skin, Category 1B

Components 68953-36-6 & 68298-14-6:

LD50: 1700 rng/kg, rat. Category 4

Extremely corrosive to skin, Category 1B

Component 98-54-4:

LD50: no data

Corrosive to skin, Category 1A

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ALLERGIC RESPIRATORY REACTIONS INCLUDING

PES 2500 HARDENER - QUART Date Printed: 6/26/2015 Page 7 of 13 Acute Oral Toxicity: Componet 1477-55-0: LD50: no data Component 67762-90-7: LD50: >5000 mg/kg, rat. Not Categorized. Component 15520-10-2 : LD50: 1.69 mg/kg, rat. Category 1. Component 68605-86-7: LD50: 4340 rat Not Categorized Components 68953-36-6 & 68298-14-6: LD50: 1200-1600, rat. Category 4. Component 98-54-4: LD50: no data Acute Inhalation Toxicity: Component 1477-55-0: LC50: no data Component 67762-90-7: No data Component 15520-10-2: LC50: 4.9 mg/L (1029 ppm), rat. Category 3. Component 68605-86-7: No data Components 68953-36-6 & 68298-14-6: No data Component 98-54-4: LC50: no data Respiratory/Skin Sensitization: Component 1477-55-0: May cause skin sensitization and/or respiratory sensitization, RESULTING IN ALLERGIC RESPIRATORY REACTIONS INCLUDING WHEEZING, SHORTNESS OF BREATH AND DIFFICULTY BREATHING. Component 15520-10-2: May cause skin sensitization and/or respiratory sensitization, RESULTING IN ALLERGIC RESPIRATORY REACTIONS INCLUDING WHEEZING, SHORTNESSS OF BREATH AND DIFFICULTY BREATHING. May cause skin sensitization and/or respiratory sensitization, RESULTING IN ALLERGIC RESPIRATORY REACTIONS INCLUDING WHEEZING, SHORTNESS OF BREATH AND DIFFICULTY BREATHING. Components 68953-36-6 & 68298-14-6: May cause skin sensitization and/or respiratory sensitization, RESULTING IN ALLERGIC RESPIRATORY REACTIONS INCLUDING WHEEZING, SHORTNESS OF BREATH AND DIFFICULTY BREATHING. Component 98-54-4: May cause skin sensitization and/or respiratory sensitization, RESULTING IN

SAFETY DATA SHEET Polymeric Engineered Solutions PES 2500 HARDENER - QUART Date Printed: 6/26/2015 Page 8 of 13 WHEEZING, SHORTNESS OF BREATH AND DIFFICULTY BREATHING. Carcinogenicity: Component 1477-55-0: Not listed as a carcinogen by IARC, NTP, OSHA or ACGIH. Component 67762-90-7: Not listed as a carcinogen by IARC, NTP, OSHA or ACGIH Component 15520-10-2: Not listed as a carcinogen by IARC, NTP, OSHA or ACGIH Components 68953-36-6 & 68298-14-6: Not listed as a carcinogen by IARC, NTP, OSHA or ACGIH Component 98-54-4: Not listed as a carcinogen by IARC, NTP, OSHA or ACGIH. Reproductive Toxicity: Component 1477-55-0: No data Component 67762-90-7: No evidence of human reproductive toxicity. Component 15520-10-2: No data Component 68605-86-7: No data. Components 68953-36-6 & 68298-14-6: No data. Component 98-54-4: No data Germ Cell Mutagenicity: Component 1477-55-0: No data · No data Component 15520-10-2: No data Component 68605-86-7: --No data Components 68953-36-6 & 68298-14-6: No data Component 98-54-4: No data Aspiration Toxicity:

Component 1477-55-0:

Component 67762-90-7:

Component 15520-10-2:

Not classified as an Aspiration Hazard.

Not classified as an Aspiration Hazard.

Polymeric Engineered Solutions

PES 2500 HARDENER - QUART

No data

Date Printed: 6/26/2015 Page 9 of 13 Not classified as an Aspiration Hazard. Componet 68605-86-7: Not classified as an Aspiration Hazard. Components 68953-36-6 & 68298-14-6: Not classified as an Aspiration Hazard. Component 98-54-4: Not classified as an Aspiration Hazard. STOT- Single Exposure Component 1477-55-0 No data Component 67762-90-7: No data Component 15520-10-2: No data Component 68605-86-7: No data Components 68953-36-6 & 68298-14-6: No data Component 98-54-4: No data STOT-repeated exposure Component 1477-55-0: No data Component 67762-90-7: No data Component 15520-10-2: No data Component 68605-86-7: No data Components 68953-36-6 & 68298-14-6: No data Component 98-54-4: No data Routes of Exposure: Inhalation of vapors, skin/eye/mucous membrane absorption, ingestion. 12. Ecological Information Environmental Toxicity: Component 1477-55-0: No data Component 67762-90-7: LC50: <10,000 mg/1 (fish); EC50: <1,000 mg/1 (daphnia); EC50: <10,000 mg/1 (algae) Component 15520-10-2:

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PES 2500 HARDENER - QUART Date Printed: 6/26/2015 Page 10 of 13 Component 68605-86-7: No data___ Components 68953-36-6 & 68298-14-6: No data Component 98-54-4: No data Persistance & degradability: Component 1477-55-0: No data Component 67762-90-7: No data Component 15520-10-2: No data Component 68605-86-7: No data Components 68953-36-6 & 68298-14-6: No data Component 98-54-4: No data Bioaccumulative potential: Component 1477-55-0: No data. Component 67762-90-7: Not expected to bioaccumulate. Component 15520-10-2: No data. Component 68605-86-7: No data Components 68953-36-6 & 68298-14-6: No data Component 98-54-4: Mobility in soil: Component 1477-55-0: No data Component 1477-55-0: No data Component 15520-10-2: No data Component 68605-86-7: No data Components 68953-36-6 & 68298-14-6: No data Component 98-54-4: No data Other Adverse Ecological Effects:

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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). 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

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 RELATED MATERIAL, CORROSIVE

UN/NA ID No: UN3066

Hazard Class: Class 8 (IATA/49CFR)

Packing Group: II

Environmental Hazards:

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

------:""

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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:

INFORMATION NOT AVAILABLE.

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.

16. Other Information

Date Revised: 06/26/15

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

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

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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