



PRODUCT NAME: PES 103- 7" METAL REPAIR PUTTY STICK

DISTRIBUTOR: Plant Equipment & Svcs
5401 HWY 21 W
Bryan, TX.77803 United States

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Date of issue: January 14, 2015

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SECTION 1: Identification of Substance/ Preparation and Company

- 1.1 Product identifier
PES 103 7" METAL REPAIR PUTTY STICK
- 1.2 Relevant identified uses of the substance or mixture and uses advised against
Epoxy Resin & Polymercaptan Curing Agent
- 1.3 Details of the supplier of the safety data sheet
5401 Hwy 21 West Bryan, TX 77803
Tel: (979) 779-8700
Email: pes1@pes-solutions.com
- 1.4 Emergency telephone number
Chemtrec – 800-424-9300 (24 hrs.)

SECTION 2: Hazards Identification

- 2.1 Classification of the substance or mixture
Classification in accordance with the Dangerous Preparations Directive 1999/45/EC
- | | |
|---|------------|
| Skin Irritation | Category 2 |
| H315 Causes skin irritation | |
| Serious Eye Irritation | Category 2 |
| H319 Causes Serious Eye Irritation | |
| Skin Sensitizer | Category 1 |
| H317 May Cause an allergic Skin Reaction | |
| Chronic Hazards to the Aquatic Environment | Category 3 |
| H412 Harmful to Aquatic life with long lasting effects | |
| Sensitizing | |
| R43 May cause sensitization by skin contact | |
| Xi – irritant | |
| R36/38 irritating to eyes and skin | |
| Dangerous to the environment | |
| R52/53 Harmful to aquatic organisms, may cause long term adverse effects in the aquatic environment | |
| Xn; R20/21/22 Harmful by inhalation, in contact with skin and if swallowed | |
| C; R34 Causes burns | |
| R43 May cause sensitization by skin contact | |
| Muta. 3; R68 Possible risk of irreversible effects | |
| Repr. 2; R62 Possible risk of impaired fertility | |
| R52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment | |
- 2.2 Label elements
Labeling in accordance with the Classification Labeling and Packaging Regulation EC (no) 1272/2008

Pictograms:



Signal Word:

WARNING

Hazard statements:

H315: Causes skin irritation.
 H317: May cause an allergic skin reaction.
 H319: Causes serious eye irritation
 H412 Harmful to aquatic life with long lasting effects

Precautionary statements:

P101: if medical advice is needed have product container or label at hand
 P102: Keep out of reach of children
 P501: Dispose of waste and residues in accordance with local authority requirements

Precautionary statements:

PREVENTION

P273: Avoid release to the environment
 P280 Wear protective gloves

Precautionary statements:

RESPONSE

P302+P352 IF ON SKIN: Wash with plenty soap and water
 P333+P313: If skin irritation or rash occurs: Get medical advice/ attention
 P337+ P313: If eye irritation persists: Get medical advice/ attention

2.3 Other hazards

If released into watercourses in sufficient quantities may be harmful to aquatic life. None of the components are considered to be Persistent, Bioaccumulative and Toxic (PBT) or very Persistent, very Bioaccumulative (vPvB).

SECTION 3: Composition/ Information on Ingredients

3.1 Substances

Not applicable, product is a mixture.

3.2 Mixtures

Contains the following hazardous components above thresholds of concern:

| Hazardous Components | Cas Number | % | Classification according to Regulation (EC) No 1272/2008 | Classification according to Directive 67/548/EEC |
|----------------------|------------|------|---|--|
| Bisphenol A | 80-05-7 | <10% | Skin Sens. 1 H317, Eye Dam. 1 H318, STOT SE 3 H335, Repr. 2 H361f, Aquatic Chronic 2 H411 | Repr. Cat. 3; R62 Xi; R37-41, R43 R52 |

See section 16 for full description of R phrases and H statements.

SECTION 4: First Aid Measures

4.1 Description of first aid measures

Summon immediate medical assistance after contact with skin, eyes, inhalation or ingestion

- Eye:** Flush eyes with plenty of running water for 15 minutes, whilst gently holding the eyelids open.
- Skin:** Remove product and contaminated clothing and wash area with water.
- Ingestion:** Drink plenty of water, DO NOT INDUCE VOMITING. Seek medical attention immediately.
- Inhalation:** Remove patient to fresh air. Seek medical advice.

4.2 Most important symptoms and effects, both acute and delayed

SKIN: Redness, Inflammation

SKIN: Rash, Urticaria

EYE: Irritation, Conjunctivitis

4.3 Indication of any immediate medical attention and special treatments needed

Symptomatic treatment as required

SECTION 5: Fire Fighting Measures

5.1 Extinguishing media

Dry chemical, CO2 or Alcohol foam

5.2 Special hazards arising from the substance or mixture

In the event of fire carbon monoxide, carbon dioxide and nitrogen oxides can be released

5.3 Advice for fire fighters

Wear Self-contained breathing apparatus, rubber boots, gloves and body suit

SECTION 6: Accidental Release Measures

6.1 Personal precautions, protective equipment and emergency procedures

Avoid skin and eye contact

6.2 Environmental precautions

Prevent entry into sewers and watercourses. If product enters sewers or watercourses, inform the appropriate environmental authorities.

6.3 Methods and materials for containment and clearing up

Scrape up and transfer into a suitable container. Wash area with water.

6.4 References to other sections

Refer to section 5, 8 and 13 for protective Measures and Disposal.

SECTION 7: Handling and Storage

7.1 Precautions for safe handling

Avoid contact with skin, eyes and clothing. Handle in well ventilated area. Wash hands after contact.

7.2 Conditions for safe storage, including any incompatibilities

Keep container tightly closed in a cool, well ventilated area.

7.3 Specific end uses(s)

No industrial or sector specific guidance available.

SECTION 8: Exposure Controls/ Personal Protection

8.1 Control parameters

| Substance Name | 8 hour exposure limit | 15 min exposure limit | Notes, Source |
|-----------------------|-----------------------|-----------------------|---------------|
| Talc, Respirable dust | - | — | EH40 WEL |

| | | | |
|------------|--|--|--|
| 14807-96-6 | | | |
|------------|--|--|--|

8.2 Exposure controls

Engineering controls Adequate ventilation should be provided so that exposure limits are not exceeded.

Respiratory: Avoid Breathing Vapors, Mists or Sprays; Select and use respiratory protection. Suggested filter type AP2.

Hand Protection Wear suitable chemical resistant gloves recommended. Nitrile or neoprene gloves may be suitable, but glove manufacturers’ specifications should always be checked first. Change gloves in accordance with manufacturer recommendations. If gloves are damaged during use, remove immediately and wash hands before replacing with new gloves.

Skin Protection: Avoid Skin Contact; use disposable coveralls

Eye Protection: Avoid Eye Contact; use safety goggles meeting the requirements of BS EN166 3, when handling this product

Environmental Exposure controls Take suitable measures to prevent entry into drains, sewers and watercourses.

SECTION 9: Physical/ Chemical Properties

9.1 Information on basic physical and chemical properties

Appearance: Paste

Odor: Mild

Odor threshold: No data

PH: No data

Melting Point: >356°F

Boiling Point/ Range: >95°F

Flash Point; >212°F

Evaporation Rate: No data

Flammability: Not applicable

Upper/lower flammability limits: No data

Vapor Pressure: No data

Vapor density: No data

Relative density: 1.7g/cm3 at 68°F

Solubility in water: Insoluble in water

Solubility in other solvents: No data

Partition Coefficient: No data

Autoignition temperature: No data

Decomposition temperature: No data

Viscosity: No data

Explosive properties: Not classified as explosive

Oxidizing properties: Not classified as oxidizing

9.2 Other information

None.

SECTION 10: Stability And Reactivity

10.1 Reactivity

Reaction with strong acids

Reacts with strong oxidants

10.2 Chemical stability

Stable

10.3 Possibility of hazardous reactions

Hazardous Polymerization is not likely to occur.

10.4 Conditions to avoid

None if used for intended purpose

10.5 Incompatible materials

See section reactivity

10.6 Hazardous decomposition products

None known

SECTION 11: Toxicological Information

11.1 Information on toxicological effects

This product has not been tested. Judgments on the expected toxicity of this product have been made based upon consideration of its major components.

| | |
|------------------------------------|--|
| (a) acute toxicity | LD50 >200mg/kg ORAL Rat |
| (b) skin corrosion/irritation | LD50 23.000 mg/kg DERMAL Rabbit |
| (c) serious eye damage/irritation | Not irritating. Rabbit. OECD Guideline 405 (Acute eye irritation/ corrosion) |
| (d) respiratory/skin sensitisation | Sensitising. Mouse local lymph node assay (LLNA) OECD Guideline 472 (Genetic toxicology: Escherichia Coli Reverse Mutation Assay) |
| (e) germ cell mutagenicity | Negative. Bacterial reverse mutation assay (e.g. Ames test). OECD Guideline 472) Genetic Toxicology Escherichia Coli Reverse Mutation Assay) |
| (f) carcinogenicity | Contains no substances identified as carcinogens. |

SECTION 12: Ecological Information

This product has not been tested. Judgments on the expected toxicity of this product have been made based upon consideration of its major components.

12.1 Toxicity

This product contains components which are considered to be harmful to aquatic organisms and may cause long-term adverse effects in the aquatic environment. Once cured the toxicity of the product is expected to decrease.

12.2 Persistence and degradability

This product is not expected to be readily biodegradable.

12.3 Bioaccumulative potential

This product is expected to have a low bioaccumulation potential.

12.4 Mobility in soil

Cured product is expected to be immobile.

12.5 Results of PBT and vPvB assessment

None of the components are known to be PBT or vPvB.

12.6 Other adverse effects

None known.

SECTION 13: Disposal Considerations

13.1 Waste treatment methods

In uncured state, dispose as chemical waste in accordance with local regulations. Waste from this product may present long term environmental hazards. Thus landfill sites must be considered less acceptable than incineration.

In cured state when mixed correctly with the base component, dispose as solid waste

Empty containers should be disposed of as chemical waste.

SECTION 14: Transport Information

General: Transport and labeling requirements will alter depending on the size of the packaging. Please refer to local transport regulations.

| | ADR | IMDG | ICAO |
|---|----------------|----------------|----------------|
| 14.1 UN Number | Not Hazardous | Not Hazardous | Not Hazardous |
| 14.2 UN Proper shipping name | Not Hazardous | Not Hazardous | Not Hazardous |
| 14.3 Transport hazard class(es) | Not Hazardous | Not Hazardous | Not Hazardous |
| 14.4 Packing group | Not Hazardous | Not Hazardous | Not Hazardous |
| 14.5 Environmental hazards | Not Hazardous | Not Hazardous | Not Hazardous |
| 14.6 Special precautions for user | Not Hazardous | Not Hazardous | Not Hazardous |
| 14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code | Not applicable | Not applicable | Not applicable |

SECTION 15: Regulatory Information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

All components are listed as existing substances in Europe

All components are listed, or are exempt from listing on the TCSA Inventory

15.2 Chemical Safety Assessment

A Chemical Safety Assessment has not been carried out for this product.

SECTION 16: Other Information

Revision information:

Reformatted in accordance with Regulation 453/2010 and Regulation 1272/2008.

List of Abbreviations used in this SDS:

- CAS Chemical Abstracts Service
- CLP Classification, Labeling and Packaging Regulation (EC) no 1272/2008
- DSD Dangerous Substances Directive 67/548/EEC
- DPD Dangerous Preparations Directive 1999/45/EC
- EC European Community/Commission
- PBT Persistent, Bioaccumulative and Toxic



REACH Registration, Evaluation, Authorization and Restriction of Chemicals Regulation (EC) no 1907/2006
vPvB very Persistent, very Bioaccumulative

References:

ECHA Classification and Labeling inventory
ECHA database of disseminated registration dossiers
Supplier's Safety Data Sheets

Method used for classification of mixtures:

Ingredient based approaches

R Phrases and H Statements used in Section 3

| | |
|--------|---|
| R36/38 | Irritating to eyes and skin, |
| R43 | May cause sensitization by skin contact |
| R52 | Harmful to aquatic organisms |
| R52/53 | Harmful to aquatic organisms, may cause long term adverse effects in the aquatic environment, |
| H315 | Causes skin irritation |
| H317 | May cause an allergic skin reaction |
| H319 | Causes serious eye damage |
| H411 | Toxic to aquatic life with long lasting effects |
| H412 | Harmful to aquatic life with long lasting effects |

Training requirements for workers

No special training requirements.