



# SAFETY DATA SHEET

Revision Date 30-Apr-2015

Version 1

## 1. IDENTIFICATION

### Product identifier

**Product Name** 26MA POWERBEAD HIGH TEMP RED RTV SILICONE 7.25 OZ AE

### Other means of identification

**Product Code** 81915

**Synonyms** None

### Recommended use of the chemical and restrictions on use

**Recommended Use** Sealant

**Uses advised against** No information available

### Details of the supplier of the safety data sheet

#### Manufacturer Address

ITW Permatex  
10 Columbus Blvd.  
Hartford, CT 06106 USA

#### Distributor

ITW Permatex Canada  
35 Brownridge Road, Unit 1  
Halton Hills, ON Canada L7G 0C6  
Telephone: (800) 924-6994

**Company Phone Number** 1-87-Permatex  
(877) 376-2839

**24 Hour Emergency Phone Number** Chem-Tel: 800-255-3924  
International Emergency:  
00+1+ 813-248-0585  
Contract Number: MIS0003453

**E-mail address** mail@permatex.com

## 2. HAZARDS IDENTIFICATION

### Classification

#### **OSHA Regulatory Status**

This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

|                                           |                |
|-------------------------------------------|----------------|
| Acute toxicity - Inhalation (Dusts/Mists) | Category 4     |
| Skin corrosion/irritation                 | Category 2     |
| Serious eye damage/eye irritation         | Category 2A    |
| Carcinogenicity                           | Category 2     |
| Gases under pressure                      | Compressed gas |

### Label elements

#### **Emergency Overview**

#### **Warning**

Harmful if inhaled  
Causes skin irritation  
Causes serious eye irritation  
Suspected of causing cancer  
Contains gas under pressure; may explode if heated



**Appearance** Red

**Physical state** Paste

**Odor** Acetic acid

**Precautionary Statements - Prevention**

Avoid breathing dust/fume/gas/mist/vapors/spray  
Use only outdoors or in a well-ventilated area  
Wash face, hands and any exposed skin thoroughly after handling  
Obtain special instructions before use  
Do not handle until all safety precautions have been read and understood  
Use personal protective equipment as required

**Precautionary Statements - Response**

Specific treatment (see supplemental first aid instructions on this label)  
IF exposed or concerned: Get medical advice/attention  
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  
IF ON SKIN: Wash with plenty of soap and water  
If skin irritation occurs: Get medical advice/attention  
Take off contaminated clothing and wash before reuse  
IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing  
Call a POISON CENTER or doctor/physician if you feel unwell

**Precautionary Statements - Storage**

Protect from sunlight. Store in a well-ventilated place  
Store locked up

**Precautionary Statements - Disposal**

Dispose of contents/container to an approved waste disposal plant

**Hazards not otherwise classified (HNOC)**

Not applicable

**Other Information**

Not applicable.

Unknown acute toxicity

12.3% of the mixture consists of ingredient(s) of unknown toxicity

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

**substance(s)**

| Chemical Name                                | CAS No     | Weight-% | Trade Secret |
|----------------------------------------------|------------|----------|--------------|
| POLY (DIMETHYLSILOXANE), HYDROXY TERMINATED  | 70131-67-8 | 40 - 70  | *            |
| AMORPHOUS SILICA                             | 7631-86-9  | 7 - 13   | *            |
| DISTILLATES (PETROLEUM), HYDROTREATED MIDDLE | 64742-46-7 | 3 - 7    | *            |
| NITROGEN                                     | 7727-37-9  | 1 - 5    | *            |
| IRON OXIDE                                   | 1309-37-1  | 1 - 5    | *            |
| METHYLTRIACETOXYSILANE                       | 4253-34-3  | 1 - 5    | *            |

|                      |            |       |   |
|----------------------|------------|-------|---|
| ETHYLTRIACETOXSILANE | 17689-77-9 | 1 - 5 | * |
| TITANIUM DIOXIDE     | 13463-67-7 | 1 - 5 | * |
| ACETIC ACID          | 64-19-7    | 1 - 5 | * |

\*The exact percentage (concentration) of composition has been withheld as a trade secret.

#### 4. FIRST AID MEASURES

##### Description of first aid measures

|                                           |                                                                                                                                                                                            |
|-------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>General advice</b>                     | Get medical advice/attention if you feel unwell.                                                                                                                                           |
| <b>Eye contact</b>                        | 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. |
| <b>Skin contact</b>                       | IF ON SKIN: Wash skin with soap and water. If skin irritation persists, call a physician. Wash contaminated clothing before reuse.                                                         |
| <b>Inhalation</b>                         | IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. If symptoms persist, call a physician.                                                    |
| <b>Ingestion</b>                          | IF SWALLOWED: Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Call a physician.                                                                             |
| <b>Self-protection of the first aider</b> | Use personal protective equipment as required.                                                                                                                                             |

##### Most important symptoms and effects, both acute and delayed

|                 |                                     |
|-----------------|-------------------------------------|
| <b>Symptoms</b> | See section 2 for more information. |
|-----------------|-------------------------------------|

##### Indication of any immediate medical attention and special treatment needed

|                           |                        |
|---------------------------|------------------------|
| <b>Note to physicians</b> | Treat symptomatically. |
|---------------------------|------------------------|

#### 5. FIRE-FIGHTING MEASURES

##### Suitable extinguishing media

Carbon dioxide (CO<sub>2</sub>), Dry chemical, Foam

##### Unsuitable extinguishing media

None.

##### Specific hazards arising from the chemical

Keep product and empty container away from heat and sources of ignition.

##### Explosion data

**Sensitivity to Mechanical Impact** None.

**Sensitivity to Static Discharge** None.

##### Protective equipment and precautions for firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

#### 6. ACCIDENTAL RELEASE MEASURES

##### Personal precautions, protective equipment and emergency procedures

|                             |                                                                                                                                                                                                          |
|-----------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Personal precautions</b> | Ensure adequate ventilation, especially in confined areas. Avoid contact with eyes and skin. Use personal protective equipment as required. Contents under pressure. Do not puncture or incinerate cans. |
|-----------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

### Environmental precautions

**Environmental precautions** Do not flush into surface water or sanitary sewer system. Prevent further leakage or spillage if safe to do so. Prevent product from entering drains.

### Methods and material for containment and cleaning up

**Methods for containment** Prevent further leakage or spillage if safe to do so.

**Methods for cleaning up** Ensure adequate ventilation. Flood with water to complete polymerization and scrape off floor. Sweep up and shovel into suitable containers for disposal. Slippery, can cause falls if walked on.

**Prevention of secondary hazards** Clean contaminated objects and areas thoroughly observing environmental regulations.

## 7. HANDLING AND STORAGE

### Precautions for safe handling

**Advice on safe handling** Handle in accordance with good industrial hygiene and safety practice. Avoid breathing vapors or mists. Avoid contact with skin, eyes or clothing. Wash thoroughly after handling. Wash contaminated clothing before reuse. Use personal protective equipment as required. Do not puncture or incinerate cans. Contents under pressure.

### Conditions for safe storage, including any incompatibilities

**Storage Conditions** Protect from sunlight. Store in a well-ventilated place. Protect from moisture.

**Incompatible materials** Strong oxidizing agents

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Control parameters

#### Exposure Guidelines

| Chemical Name                  | ACGIH TLV                                    | OSHA PEL                                                                                                                                                                                                                                                                           | NIOSH IDLH                                                                                             |
|--------------------------------|----------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------|
| AMORPHOUS SILICA<br>7631-86-9  | -                                            | (vacated) TWA: 6 mg/m <sup>3</sup> <1%<br>Crystalline silica<br>TWA: 20 mppcf<br>: (80)/(%) SiO <sub>2</sub> mg/m <sup>3</sup> TWA                                                                                                                                                 | IDLH: 3000 mg/m <sup>3</sup><br>TWA: 6 mg/m <sup>3</sup>                                               |
| IRON OXIDE<br>1309-37-1        | TWA: 5 mg/m <sup>3</sup> respirable fraction | TWA: 10 mg/m <sup>3</sup> fume<br>TWA: 15 mg/m <sup>3</sup> total dust<br>TWA: 5 mg/m <sup>3</sup> respirable fraction<br>(vacated) TWA: 10 mg/m <sup>3</sup> fume<br>and total dust Iron oxide<br>(vacated) TWA: 5 mg/m <sup>3</sup> respirable<br>fraction regulated under Rouge | IDLH: 2500 mg/m <sup>3</sup> Fe dust and<br>fume<br>TWA: 5 mg/m <sup>3</sup> Fe dust and fume          |
| TITANIUM DIOXIDE<br>13463-67-7 | TWA: 10 mg/m <sup>3</sup>                    | TWA: 15 mg/m <sup>3</sup> total dust<br>(vacated) TWA: 10 mg/m <sup>3</sup> total dust                                                                                                                                                                                             | IDLH: 5000 mg/m <sup>3</sup>                                                                           |
| ACETIC ACID<br>64-19-7         | STEL: 15 ppm<br>TWA: 10 ppm                  | TWA: 10 ppm<br>TWA: 25 mg/m <sup>3</sup><br>(vacated) TWA: 10 ppm<br>(vacated) TWA: 25 mg/m <sup>3</sup>                                                                                                                                                                           | IDLH: 50 ppm<br>TWA: 10 ppm<br>TWA: 25 mg/m <sup>3</sup><br>STEL: 15 ppm<br>STEL: 37 mg/m <sup>3</sup> |

NIOSH IDLH Immediately Dangerous to Life or Health

**Other Information** Vacated limits revoked by the Court of Appeals decision in AFL-CIO v. OSHA, 965 F.2d 962 (11th Cir., 1992).

### Appropriate engineering controls

**Engineering Controls**  
Showers  
Eyewash stations  
Ventilation systems

**Individual protection measures, such as personal protective equipment**

**Eye/face protection** Wear safety glasses with side shields (or goggles).  
**Skin and body protection** Wear protective gloves and protective clothing.  
**Respiratory protection** Use NIOSH-approved air-purifying respirator with organic vapor cartridge or canister, as appropriate.

**General Hygiene Considerations** Handle in accordance with good industrial hygiene and safety practice. Regular cleaning of equipment, work area and clothing is recommended.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Information on basic physical and chemical properties**

**Physical state** Paste  
**Appearance** Red  
**Odor** Acetic acid  
**Odor threshold** No information available

| <u>Property</u>                | <u>Values</u>            | <u>Remarks • Method</u> |
|--------------------------------|--------------------------|-------------------------|
| pH                             | No information available |                         |
| Melting point / freezing point | No information available |                         |
| Boiling point / boiling range  | Not Applicable           | Polymerization          |
| Flash point                    | > 93 °C / > 200 °F       |                         |
| Evaporation rate               | No information available |                         |
| Flammability (solid, gas)      | No information available |                         |
| Flammability Limit in Air      |                          |                         |
| Upper flammability limit:      | No information available |                         |
| Lower flammability limit:      | No information available |                         |
| Vapor pressure                 | <5 mm Hg                 |                         |
| Vapor density                  | >1                       | Air = 1                 |
| Relative density               | 1.05                     |                         |
| Water solubility               | Not applicable           | Polymerization          |
| Solubility in other solvents   | No information available |                         |
| Partition coefficient          | No information available |                         |
| Autoignition temperature       | No information available |                         |
| Decomposition temperature      | No information available |                         |
| Kinematic viscosity            | No information available |                         |
| Dynamic viscosity              | No information available |                         |
| Explosive properties           | No information available |                         |
| Oxidizing properties           | No information available |                         |

**Other Information**

**Softening point** No information available  
**Molecular weight** No information available  
**VOC Content (%)** 3.0%  
**Density** No information available  
**Bulk density** No information available

## 10. STABILITY AND REACTIVITY

**Reactivity**

No data available

**Chemical stability**

Stable under recommended storage conditions.

**Possibility of Hazardous Reactions**

None under normal processing.

**Conditions to avoid**

Excessive heat.

**Incompatible materials**

Strong oxidizing agents

**Hazardous Decomposition Products**

Carbon oxides

Nitrogen oxides (NO<sub>x</sub>)

Acetic acid

Oxides of sulfur

Formaldehyde

**11. TOXICOLOGICAL INFORMATION**

**Information on likely routes of exposure**

|                     |                                                                                    |
|---------------------|------------------------------------------------------------------------------------|
| <b>Inhalation</b>   | May be harmful if inhaled.                                                         |
| <b>Eye contact</b>  | Contact with eyes may cause irritation. May cause redness and tearing of the eyes. |
| <b>Skin contact</b> | May cause skin irritation and/or dermatitis.                                       |
| <b>Ingestion</b>    | Ingestion may cause irritation to mucous membranes.                                |

| Chemical Name                                                 | Oral LD50             | Dermal LD50             | Inhalation LC50                      |
|---------------------------------------------------------------|-----------------------|-------------------------|--------------------------------------|
| POLY (DIMETHYLSILOXANE),<br>HYDROXY TERMINATED<br>70131-67-8  | -                     | > 16 mL/kg ( Rabbit )   | > 8750 mg/m <sup>3</sup> ( Rat ) 7 h |
| AMORPHOUS SILICA<br>7631-86-9                                 | > 5000 mg/kg ( Rat )  | > 2000 mg/kg ( Rabbit ) | > 2.2 mg/L ( Rat ) 1 h               |
| DISTILLATES (PETROLEUM),<br>HYDROTREATED MIDDLE<br>64742-46-7 | = 7400 mg/kg ( Rat )  | > 2000 mg/kg ( Rabbit ) | = 4.6 mg/L ( Rat ) 4 h               |
| IRON OXIDE<br>1309-37-1                                       | > 10000 mg/kg ( Rat ) | -                       | -                                    |
| METHYLTRIACTOXYLSILANE<br>4253-34-3                           | = 2060 mg/kg ( Rat )  | -                       | -                                    |
| TITANIUM DIOXIDE<br>13463-67-7                                | > 10000 mg/kg ( Rat ) | -                       | -                                    |
| ACETIC ACID<br>64-19-7                                        | = 3310 mg/kg ( Rat )  | = 1060 mg/kg ( Rabbit ) | = 11.4 mg/L ( Rat ) 4 h              |

**Information on toxicological effects**

**Symptoms** No information available.

**Delayed and immediate effects as well as chronic effects from short and long-term exposure**

**Sensitization** No information available.  
**Germ cell mutagenicity** No information available.  
**Carcinogenicity** The table below indicates whether each agency has listed any ingredient as a carcinogen.

| Chemical Name                 | ACGIH | IARC    | NTP | OSHA |
|-------------------------------|-------|---------|-----|------|
| AMORPHOUS SILICA<br>7631-86-9 | -     | Group 3 | -   | -    |

|                                |   |          |   |   |
|--------------------------------|---|----------|---|---|
| IRON OXIDE<br>1309-37-1        | - | Group 3  | - | - |
| TITANIUM DIOXIDE<br>13463-67-7 | - | Group 2B | - | X |

IARC (International Agency for Research on Cancer)

Group 2B - Possibly Carcinogenic to Humans

Not classifiable as a human carcinogen

OSHA (Occupational Safety and Health Administration of the US Department of Labor)

X - Present

**Target Organ Effects** Eyes, Respiratory system, Skin, Teeth.

The following values are calculated based on chapter 3.1 of the GHS document .

ATEmix (oral) 17289 mg/kg

ATEmix (dermal) 6094 mg/kg

ATEmix (inhalation-dust/mist) 4.8 mg/l

## 12. ECOLOGICAL INFORMATION

### Ecotoxicity

82.1% of the mixture consists of components(s) of unknown hazards to the aquatic environment

| Chemical Name                                                 | Algae/aquatic plants                                   | Fish                                                                                                          | Crustacea                                                                      |
|---------------------------------------------------------------|--------------------------------------------------------|---------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------|
| AMORPHOUS SILICA<br>7631-86-9                                 | 440: 72 h Pseudokirchneriella<br>subcapitata mg/L EC50 | 5000: 96 h Brachydanio rerio mg/L<br>LC50 static                                                              | 7600: 48 h Ceriodaphnia dubia<br>mg/L EC50                                     |
| DISTILLATES (PETROLEUM),<br>HYDROTREATED MIDDLE<br>64742-46-7 | -                                                      | 35: 96 h Pimephales promelas mg/L<br>LC50 flow-through 10000: 96 h<br>Pimephales promelas mg/L LC50<br>static | -                                                                              |
| ACETIC ACID<br>64-19-7                                        | -                                                      | 79: 96 h Pimephales promelas mg/L<br>LC50 static 75: 96 h Lepomis<br>macrochirus mg/L LC50 static             | 65: 48 h Daphnia magna mg/L<br>EC50 Static 47: 24 h Daphnia<br>magna mg/L EC50 |

### Persistence and degradability

No information available.

### Bioaccumulation

No information available.

### Mobility

No information available.

| Chemical Name          | Partition coefficient |
|------------------------|-----------------------|
| ACETIC ACID<br>64-19-7 | -0.31                 |

### Other adverse effects

No information available

## 13. DISPOSAL CONSIDERATIONS

### Waste treatment methods

|                               |                                                                                                     |
|-------------------------------|-----------------------------------------------------------------------------------------------------|
| <b>Disposal of wastes</b>     | Disposal should be in accordance with applicable regional, national and local laws and regulations. |
| <b>Contaminated packaging</b> | Do not reuse container.                                                                             |
| <b>US EPA Waste Number</b>    | Not applicable                                                                                      |

This product contains one or more substances that are listed with the State of California as a hazardous waste.

| Chemical Name          | California Hazardous Waste Status |
|------------------------|-----------------------------------|
| ACETIC ACID<br>64-19-7 | Toxic<br>Corrosive<br>Ignitable   |

#### 14. TRANSPORT INFORMATION

##### DOT

UN/ID no 1950  
Proper shipping name: Aerosols, Limited Quantity (LQ)  
Hazard Class 2.2  
Emergency Response Guide Number 126

##### IATA

UN/ID no ID 8000  
Proper shipping name: Consumer commodity  
Hazard Class 9  
ERG Code 9L

##### IMDG

UN/ID no 1950  
Proper shipping name: Aerosols, Limited Quantity (LQ)  
Hazard Class 2.2  
EmS-No F-D, S-U

#### 15. REGULATORY INFORMATION

##### International Inventories

TSCA Complies  
DSL/NDSL Complies  
EINECS/ELINCS Not Listed.  
ENCS Not Listed.  
IECSC Complies  
KECL Complies  
PICCS Complies  
AICS Complies

##### Legend:

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory  
DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List  
EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances  
ENCS - Japan Existing and New Chemical Substances  
IECSC - China Inventory of Existing Chemical Substances  
KECL - Korean Existing and Evaluated Chemical Substances  
PICCS - Philippines Inventory of Chemicals and Chemical Substances  
AICS - Australian Inventory of Chemical Substances

##### US Federal Regulations

##### SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

##### SARA 311/312 Hazard Categories

Acute health hazard Yes  
Chronic Health Hazard No  
Fire hazard No  
Sudden release of pressure hazard No

**Reactive Hazard**

No

**CWA (Clean Water Act)**

This product contains the following substances which are regulated pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

| Chemical Name          | CWA - Reportable Quantities | CWA - Toxic Pollutants | CWA - Priority Pollutants | CWA - Hazardous Substances |
|------------------------|-----------------------------|------------------------|---------------------------|----------------------------|
| ACETIC ACID<br>64-19-7 | 5000 lb                     | -                      | -                         | X                          |

**CERCLA**

This material, as supplied, contains one or more substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302)

| Chemical Name          | Hazardous Substances RQs | CERCLA/SARA RQ | Reportable Quantity (RQ)                   |
|------------------------|--------------------------|----------------|--------------------------------------------|
| ACETIC ACID<br>64-19-7 | 5000 lb                  | -              | RQ 5000 lb final RQ<br>RQ 2270 kg final RQ |

**US State Regulations**

**California Proposition 65**

This product contains the following Proposition 65 chemicals

| Chemical Name                 | California Proposition 65 |
|-------------------------------|---------------------------|
| TITANIUM DIOXIDE - 13463-67-7 | Carcinogen                |

**U.S. State Right-to-Know Regulations**

| Chemical Name                  | New Jersey | Massachusetts | Pennsylvania |
|--------------------------------|------------|---------------|--------------|
| AMORPHOUS SILICA<br>7631-86-9  | X          | X             | X            |
| NITROGEN<br>7727-37-9          | X          | X             | X            |
| IRON OXIDE<br>1309-37-1        | X          | X             | X            |
| TITANIUM DIOXIDE<br>13463-67-7 | X          | X             | X            |
| ACETIC ACID<br>64-19-7         | X          | X             | X            |

**U.S. EPA Label Information**

EPA Pesticide Registration Number Not applicable

**NFPA**

Health hazards 2

Flammability 1

Instability 0

-

**HMIS**

Health hazards 2

Flammability 1

Physical hazards 0

Personal protection B

NFPA (National Fire Protection Association)

HMIS (Hazardous Material Information System)

Revision Date

30-Apr-2015

**Disclaimer**

The information provided in this Material Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

End of Safety Data Sheet