

RED HIGH-TEMPERATURE SILICONE FORTA

1. IDENTIFICATION OF THE CHEMICAL AND SUPPLIER

Trade name: Red, High- temperature Silicone Forta
Product type: High-Temperature silicone
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2. HAZARDS IDENTIFICATION

2.1. Clasification of the substance or mixture: Skin and respiratory sensitiser. Category 1B

H315: Causes skin irritation.

H317: May cause an allergic skin reaction.

H319: Causes serious eye irritation.

2.2. Label elements:

Pictogram:	
Signal word:	Warning
Hazard statements:	H315: Causes skin irritation. H317: May cause an allergic skin reaction. H319: Causes serious eye irritation.
Prevention Precautionary Statements	P264: Wash thoroughly after handling. P280: Wear protective gloves/protective clothing/eye protection/face protection. P332+P313: If skin irritation occurs: Get medical advice/attention.

3. COMPOSITION/ INFORMATION ON INGREDIENTS

Chemical Nature: Silicone gum- based adhesive for sealing.

Chemical or generic name	Rango de concentración (%)	CAS n°	EINECS (EC)
Poly(dimethylsiloxane)	80 - 90	64742-46-7	265-148-2
Amorphous silica ¹	5 - 15	7631-86-9	231-545-4
Methylsilanetriyl triacetate	1 - 10	----	----
Acetic acid (%)	1 - 5	64-19-7	200-580-7
Ferrous oxide ²	1 - 10	1309-37-1	215-168-2



SAFETY DATA SHEET

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Date of revision: 09/2022
In compliance with: NOM-018-STPS-2015

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Version: 03

1. **ACGIH & Hr. TWA**= 10mg/m³ TWA **OSHA & Hr. TWA**= 6 mg/m³ TWA
2. **ACGIH & Hr. TWA**= 5 mg/m³ TWA **OSHA & Hr. TWA**= 10mg/m³ (Fe) TWA

4. FIRST AID MEASURES

4.1 Skin contact: Take off contaminated clothing and shoes immediately. Wash off with plenty of water for at least 15 minutes and consult a physician if feel uncomfortable.

4.2 Eye contact: Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician if feel uncomfortable.

4.3 Ingestion: DO NOT induce vomiting. Never give anything by mouth to an unconscious person. Call a physician or Poison Control Center immediately.

4.4 Inhalation: Move victim into fresh air. If breathing is difficult, give oxygen. Do not use mouth to mouth resuscitation if victim ingested or inhaled the substance. If not breathing, give artificial respiration and consult a physician immediately.

5. FIREFIGHTING MEASURES

5.1 Specific hazards arising from the substance or mixture. Development of hazardous combustion gases or vapor possible in the event of fire. May expansion or decompose explosively when heated or involved in fire.

5.2 Extinguishing media:

Suitable extinguishing media: Use extinguishing agent suitable for type of surrounding fire as chemical powder, foam or carbon dioxide.

Unsuitable extinguishing media: There is no restriction on the type of extinguisher which may be used.

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

Fight fire from a safe distance, with adequate cover.

Prevent fire extinguishing water from contaminating surface water or the ground water system.

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Use personal protective equipment. Keep unprotected persons away.

Follow safe handling advice and personal protective equipment recommendations.

Avoid contact with skin, eyes and inhalation of vapors.

Remove all sources of ignition.

6.2 Environmental precautions

Discharge into the environment must be avoided.

Prevent further leakage or spillage if safe to do so.

Retain and dispose of contaminated wash water.

Local authorities should be advised if significant spillages cannot be contained.

6.3 Methods and materials for containment and cleaning up

Soak up with inert absorbent material. For large spills, provide dyking or other appropriate containment to keep material from spreading. If dyked material can be pumped, store recovered material in appropriate container.

Clean up remaining materials from spill with suitable absorbent.

Local or national regulations may apply to releases and disposal of this material, as well as those materials and items employed in the cleanup of releases. You will need to determine which regulations are applicable.

7. HANDLING AND STORAGE

7.1 Precautions for safe handling

Handling is performed in a well-ventilated place.

Wear suitable protective equipment.

Avoid contact with skin and eyes.

Keep away from heat/sparks/open flames/ hot surfaces.

Take care to prevent spills, waste and minimize release to the environment.

Persons susceptible to allergic reactions should not handle this product.



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7.2 Precautions for storage

Keep containers tightly closed.
Keep containers in a dry, cool and well-ventilated place.
Keep away from heat/sparks/open flames/hot surfaces.
Store away from incompatible materials and foodstuff containers.

7.3 Materials to avoid

Strong oxidizing agents, Organic peroxides, Acids, Foodstuffs, Explosives, Hot, Heat.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Biological limit values: No data available

8.2 Engineering controls

Ensure adequate ventilation, especially in confined areas.
Ensure that eyewash stations and safety showers are close to the workstation location.
Use explosion-proof electrical/ventilating/lighting/equipment.
Set up emergency exit and necessary risk-elimination area.

8.3 Personal protection equipment

Respiratory protection: If exposure limits are exceeded or if irritation or other symptoms are experienced, use a full-face respirator with multipurpose combination (US) or type AXBEK (EN 14387) respirator cartridges.

Eye protection: Tightly fitting safety goggles.

Skin and body protection: Wear fire/flame resistant/retardant clothing and antistatic boots.
Select appropriate protective clothing based on chemical resistance data and an assessment of the local exposure potential. Skin contact must be avoided by using impervious protective clothing (gloves, aprons, boots, etc).

Hygienic measures: Ensure that eye flushing systems and safety showers are located close to the working place.
When using do not eat, drink or smoke.
Wash contaminated clothing before reuse.
Do not inhale gases / fumes / aerosols.

9. PHYSICAL AND CHEMICAL PROPERTIES

Colour:	Red
Density 25 °C (g/cm³):	0.97 – 1.15
Viscosity:	Thixotropic paste
Appearance:	Paste
Odor:	Acetic
Boiling point (° C):	N/D
Flash point (TCC), (C):	N/D
Solubility (mg/L):	Insoluble
VOC Content (Wt. %)	4,8% weight; 0.42 lb/gal; 50.48 g/L

10. STABILITY AND REACTIVITY

Incompatible substances or materials. Strong oxidizing agents.

Specific conditions. The product is relatively stable under normal storage and handling conditions. Dries in contact with humidity.

Hazardous Decomposition Products: May produce toxic fumes if incinerated. May release carbon monoxide and carbon dioxide.

Conditions to avoid: Humidity.

11. TOXICOLOGICAL INFORMATION

Inhalation/ eyes: May cause irritation.



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Skin: Avoid prolonged contact with skin. May cause dermatitis.

Ingestion: Low toxicity.

General information: According to current knowledge, harmful effects of the product has not been detected during standard practices of use in industry and local regulations. Acetic acid is formed upon contact with water or humid air, which may cause skin irritation.

12. ECOLOGICAL INFORMATION

Environmental impact and effects: There is no further information on toxicity on aquatic organisms. However, the product in contact with water may cause low toxicity.

13. DISPOSAL CONSIDERATIONS

Disposal methods

Waste from residues: Dispose of in accordance with local regulations.

Contaminated packaging: Empty containers should be taken to an approved waste handling site for recycling or disposal. Do not pierce or burn, even after use. If not otherwise specified, dispose of as unused product.

14. TRANSPORT INFORMATION

Land – Water – Marine - Air

UN number: N/A
Class: N/A
Packaging group: N/A
Shipping name: N/A

15. REGULATORY INFORMATION

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

16. OTHER INFORMATION

Abreviaturas:

NFPA: National Fire Protection Assn
UN: United Nations
N/A: No Applicable
N/A: Not defined
ACGIH & Hr. TWA: American Conference of Governmental Industrial Hygienists
OSHA: Occupational Safety and Health Administration
TWA: Time Weighted Average.
IATA: International Air Transport Association

IMPORTANT: The information in this safety data sheet was obtained from reputable sources and to the best of our knowledge is accurate but not exhaustive, and must be used as an orientation, which is based on the actual knowledge of the chemical substance or mixture.

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