



# REF Patch X-13

## Safety Data Sheet

according to 29 CFR § 1910.1200, Hazard Communication Standard (HCS 2024)  
Issue date: 6/17/2015 Revision date: 7/30/2026 Supersedes: 7/12/2024

### SECTION 1 Identification

#### 1.1. Product identifier

Product form : Mixture  
Product name : REF Patch X-13  
CAS-No. : Mixture  
Product code : 2407

#### 1.2. Other means of identification

Other means of identification : Alumina-Silicate Wet Chemically Bonded Mortar-Slurry

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

Use of the substance/mixture : Refractory  
Recommended use : Industrial use

#### 1.4. Supplier's details

RHI Magnesita  
425 South Salem Church Road  
York, PA, 17408  
United States  
T 717-792-3611  
[Resco.SDS.TDS@rhimagnesita.com](mailto:Resco.SDS.TDS@rhimagnesita.com) - [WWW.RescoProducts.com](http://WWW.RescoProducts.com)

#### 1.5. Emergency phone number

Emergency number : EMERGENCY ONLY (CHEMTREC) USA & Canada 1-800-424-9300  
Outside USA & Canada +1 703-741-5970

### SECTION 2 Hazard Identification

#### 2.1. Classification of the substance or mixture

##### GHS US classification

|                                                |      |                                                         |
|------------------------------------------------|------|---------------------------------------------------------|
| Skin corrosion/irritation, Category 2          | H315 | Causes skin irritation.                                 |
| Serious eye damage/eye irritation, Category 2B | H320 | Causes eye irritation.                                  |
| Carcinogenicity, Category 1A                   | H350 | May cause cancer (After drying or heating, Inhalation). |

Full text of H statements : see section 16

#### 2.2. Label elements

##### GHS US labeling

Hazard pictograms (GHS US) :



Signal word (GHS US) : Danger

Hazard statements (GHS US) :

- H315 - Causes skin irritation
- H319 - Causes serious eye irritation
- H350 - May cause cancer (After drying or heating, Inhalation).

Precautionary statements (GHS US) :

- P202 - Do not handle until all safety precautions have been read and understood.
- P280 - Wear eye protection, protective gloves, protective clothing.
- P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- P332+P313 - If skin irritation occurs: Get medical advice or attention.
- P337+P313 - If eye irritation persists: Get medical advice or attention.

#### 2.3. Hazards associated with known or reasonably anticipated uses

No additional information available

#### 2.4. Hazards not otherwise classified

No additional information available

#### 2.5. Unknown acute toxicity

No additional information available

### SECTION 3 Composition/information on ingredients

#### 3.1. Substances

Not applicable

#### 3.2. Mixtures

| Name                                        | Product identifier | %       | GHS US classification |
|---------------------------------------------|--------------------|---------|-----------------------|
| aluminium oxide, non-fibrous                | CAS-No.: 1344-28-1 | 60 – 80 | Not classified        |
| phosphoric acid, conc=75%, aqueous solution | CAS-No.: 7664-38-2 | 5 – 10  | Skin Corr. 1B, H314   |

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| Name         | Product identifier  | %         | GHS US classification |
|--------------|---------------------|-----------|-----------------------|
| quartz       | CAS-No.: 14808-60-7 | 0.5 – 1   | Carc. 1A, H350        |
| cristobalite | CAS-No.: 14464-46-1 | 0.1 – 0.5 | Carc. 1A, H350        |

Full text of hazard classes and H-statements : see section 16

### SECTION 4 First aid measures

#### 4.1. Description of necessary first-aid measures

|                                       |                                                                                                                                    |
|---------------------------------------|------------------------------------------------------------------------------------------------------------------------------------|
| First-aid measures general            | : Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).  |
| First-aid measures after inhalation   | : Allow affected person to breathe fresh air. Allow the victim to rest.                                                            |
| First-aid measures after skin contact | : Gently wash with plenty of soap and water.                                                                                       |
| First-aid measures after eye contact  | : IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. |
| First-aid measures after ingestion    | : Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.                                                         |

#### 4.2. Most important symptoms/effects, acute and delayed

|                                                     |                                                                                                                                                                       |
|-----------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Potential Adverse human health effects and symptoms | : Dust when sawing or tear out. Danger of serious damage to health by prolonged exposure through inhalation.                                                          |
| Symptoms/effects after inhalation                   | : After drying or heating. Dust when sawing or tear out. Danger of serious damage to health by prolonged exposure through inhalation. May cause cancer by inhalation. |
| Symptoms/effects after skin contact                 | : Causes skin irritation.                                                                                                                                             |
| Symptoms/effects after eye contact                  | : Causes serious eye irritation.                                                                                                                                      |

#### 4.3. Indication of immediate medical attention and special treatment needed, if necessary

No additional information available

### SECTION 5: Fire-fighting measures

#### 5.1. Suitable (and unsuitable) extinguishing media

|                                |                                                             |
|--------------------------------|-------------------------------------------------------------|
| Suitable extinguishing media   | : Use extinguishing media appropriate for surrounding fire. |
| Unsuitable extinguishing media | : No unsuitable extinguishing media known.                  |

#### 5.2. Specific hazards arising from the chemical

|                  |                                                                       |
|------------------|-----------------------------------------------------------------------|
| Fire hazard      | : Not flammable.                                                      |
| Explosion hazard | : Prolonged exposure to fire may cause containers to rupture/explode. |

#### 5.3. Special protective equipment and precautions for fire-fighters

|                                |                                                                                                                                            |
|--------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|
| Firefighting instructions      | : Fight fire with normal precautions from a reasonable distance. Do not allow run-off from fire fighting to enter drains or water courses. |
| Protection during firefighting | : Do not enter fire area without proper protective equipment, including respiratory protection.                                            |

### SECTION 6 Accidental release measures

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

##### For non-emergency personnel

No additional information available

##### For emergency responders

|                           |                                                                                                           |
|---------------------------|-----------------------------------------------------------------------------------------------------------|
| Protective equipment      | : Equip cleanup crew with proper protection.                                                              |
| Environmental precautions | : Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters. |

#### 6.2. Methods and materials for containment and cleaning up

|                                                           |                                                      |
|-----------------------------------------------------------|------------------------------------------------------|
| For containment                                           | : Collect spillage.                                  |
| Methods for cleaning up                                   | : On land, sweep or shovel into suitable containers. |
| See Heading 8. Exposure controls and personal protection. |                                                      |

### SECTION 7 Handling and storage

#### 7.1. Precautions for safe handling

|                               |                                                                                                                         |
|-------------------------------|-------------------------------------------------------------------------------------------------------------------------|
| Precautions for safe handling | : Avoid contact with eyes. Avoid contact with skin.                                                                     |
| Hygiene measures              | : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. |

#### 7.2. Conditions for safe storage, including incompatibilities

|                       |                                                                                                                                                                                                                                                    |
|-----------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Storage conditions    | : Store this product in a dry location where it can be protected from the elements. Keep container closed when not in use.                                                                                                                         |
| Incompatible products | : Strong bases. Avoid contact with materials: such as sulfides and sulfites which could release toxic gases, mixing with strong bases because high heat of reaction can generate steam, and metals which could liberate hydrogen, a flammable gas. |

### SECTION 8 Exposure controls/personal protection

#### 8.1. Control parameters

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|                                                  |                                                                                                                                  |
|--------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|
| <b>aluminium oxide, non-fibrous (1344-28-1)</b>  |                                                                                                                                  |
| <b>USA - ACGIH® - Threshold Limit Values</b>     |                                                                                                                                  |
| ACGIH® TLV® TWA                                  | 1 mg/m³ respirable dust                                                                                                          |
| <b>cristobalite (14464-46-1)</b>                 |                                                                                                                                  |
| <b>USA - ACGIH® - Threshold Limit Values</b>     |                                                                                                                                  |
| ACGIH® TLV® TWA                                  | 0.025 mg/m³ respirable dust                                                                                                      |
| <b>USA - OSHA - Occupational Exposure Limits</b> |                                                                                                                                  |
| OSHA PEL TWA                                     | 0.05 mg/m³ respirable dust                                                                                                       |
| <b>quartz (14808-60-7)</b>                       |                                                                                                                                  |
| <b>USA - ACGIH® - Threshold Limit Values</b>     |                                                                                                                                  |
| ACGIH® TLV® TWA                                  | 0.025 mg/m³ (Silica-Crystalline Quartz; USA; Time-weighted average exposure limit 8 h; TLV - Adopted Value; Respirable fraction) |
| <b>USA - OSHA - Occupational Exposure Limits</b> |                                                                                                                                  |
| Local name                                       | Silica, crystalline quartz, respirable dust                                                                                      |
| OSHA PEL TWA                                     | 0.05 mg/m³ respirable dust                                                                                                       |
| Remark (OSHA)                                    | (3) See Table Z-3.                                                                                                               |

### 8.2. Appropriate engineering controls

Appropriate engineering controls : Emergency eye wash fountain with clean water. Dust when sawing or tear out. Provide adequate ventilation to minimize dust concentrations.

### 8.3. Individual protection measures, such as personal protective equipment

#### Personal protective equipment:

Avoid all unnecessary exposure.

#### Hand protection:

Wear protective gloves.

#### Eye protection:

Chemical goggles or safety glasses

#### Skin and body protection:

Wear suitable protective clothing

#### Respiratory protection:

After air drying or heating. Dust when sawing or tear out. Wear appropriate mask

#### Other information:

Do not eat, drink or smoke during use.

## SECTION 9 Physical and chemical properties

### 9.1. Basic physical and chemical properties

|                                                 |                     |
|-------------------------------------------------|---------------------|
| Physical state                                  | : Solid             |
| Appearance                                      | : Plastic.          |
| Color                                           | : Gray              |
| Odor                                            | : Acid Odor         |
| Odor threshold                                  | : No data available |
| pH                                              | : < 3               |
| pH solution concentration                       | : 10 %              |
| Melting point                                   | : > 3000 °F         |
| Freezing point                                  | : ≈ 32 °F           |
| Boiling point                                   | : No data available |
| Flash point                                     | : No data available |
| Flammability (solid, gas)                       | : Not flammable.    |
| Vapor pressure                                  | : No data available |
| Relative vapor density at 20°C                  | : No data available |
| Relative density                                | : ≈ 3               |
| Solubility                                      | : Slightly soluble. |
| Partition coefficient n-octanol/water (Log Pow) | : No data available |
| Auto-ignition temperature                       | : No data available |
| Decomposition temperature                       | : No data available |
| Viscosity, kinematic                            | : No data available |
| Explosion limits                                | : No data available |
| Particle characteristics                        | : No data available |

### 9.2. Data relevant with regard to physical hazard classes (supplemental)

No additional information available

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### SECTION 10 Stability and reactivity

#### 10.1. Reactivity

Air Setting.

#### 10.2. Chemical stability

Stable under normal conditions of use.

#### 10.3. Possibility of hazardous reactions

Not established.

#### 10.4. Conditions to avoid

No additional information available

#### 10.5. Incompatible materials

Strong bases. Avoid contact with materials: such as sulfides and sulfites which could release toxic gases, mixing with strong bases because high heat of reaction can generate steam, and metals which could liberate hydrogen, a flammable gas.

#### 10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

### SECTION 11 Toxicological information

#### 11.1. Information on toxicological effects

Acute toxicity (oral) : Not classified  
Acute toxicity (dermal) : Not classified  
Acute toxicity (inhalation) : Not classified

#### aluminium oxide, non-fibrous (1344-28-1)

|                       |                                                                                                                                  |
|-----------------------|----------------------------------------------------------------------------------------------------------------------------------|
| LD50 oral rat         | > 15900 mg/kg body weight (Equivalent or similar to OECD 401, Rat, Male / female, Experimental value, Oral, 14 day(s))           |
| LC50 Inhalation - Rat | > 2.3 mg/l air (Equivalent or similar to OECD 403, 4 h, Rat, Male / female, Experimental value, Inhalation (aerosol), 14 day(s)) |

#### phosphoric acid, conc=75%, aqueous solution (7664-38-2)

|               |                        |
|---------------|------------------------|
| ATE US (oral) | 4400 mg/kg body weight |
|---------------|------------------------|

Skin corrosion/irritation : Causes skin irritation.  
pH: < 3

#### aluminium oxide, non-fibrous (1344-28-1)

|    |                                     |
|----|-------------------------------------|
| pH | 9 – 10.5 (aqueous suspension, 33 %) |
|----|-------------------------------------|

#### cristobalite (14464-46-1)

|    |       |
|----|-------|
| pH | 6 – 7 |
|----|-------|

#### phosphoric acid, conc=75%, aqueous solution (7664-38-2)

|    |                 |
|----|-----------------|
| pH | 0 – 0.5 (20 °C) |
|----|-----------------|

#### quartz (14808-60-7)

|    |       |
|----|-------|
| pH | 6 – 7 |
|----|-------|

Serious eye damage/irritation : Causes eye irritation.  
pH: < 3

#### aluminium oxide, non-fibrous (1344-28-1)

|    |                                     |
|----|-------------------------------------|
| pH | 9 – 10.5 (aqueous suspension, 33 %) |
|----|-------------------------------------|

#### cristobalite (14464-46-1)

|    |       |
|----|-------|
| pH | 6 – 7 |
|----|-------|

#### phosphoric acid, conc=75%, aqueous solution (7664-38-2)

|    |                 |
|----|-----------------|
| pH | 0 – 0.5 (20 °C) |
|----|-----------------|

#### quartz (14808-60-7)

|    |       |
|----|-------|
| pH | 6 – 7 |
|----|-------|

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|                                   |                                                           |
|-----------------------------------|-----------------------------------------------------------|
| Respiratory or skin sensitization | : Not classified                                          |
| Germ cell mutagenicity            | : Not classified                                          |
| Carcinogenicity                   | : May cause cancer (After drying or heating, Inhalation). |

### quartz (14808-60-7)

|                        |                            |
|------------------------|----------------------------|
| IARC group             | 1 - Carcinogenic to humans |
| Reproductive toxicity  | : Not classified           |
| STOT-single exposure   | : Not classified           |
| STOT-repeated exposure | : Not classified           |
| Aspiration hazard      | : Not classified           |

### aluminium oxide, non-fibrous (1344-28-1)

|                                                     |                                                                                                                                                                       |
|-----------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Viscosity, kinematic                                | Not applicable (solid)                                                                                                                                                |
| Potential Adverse human health effects and symptoms | : Dust when sawing or tear out. Danger of serious damage to health by prolonged exposure through inhalation.                                                          |
| Symptoms/effects after inhalation                   | : After drying or heating. Dust when sawing or tear out. Danger of serious damage to health by prolonged exposure through inhalation. May cause cancer by inhalation. |
| Symptoms/effects after skin contact                 | : Causes skin irritation.                                                                                                                                             |
| Symptoms/effects after eye contact                  | : Causes serious eye irritation.                                                                                                                                      |

## SECTION 12 Ecological information

### 12.1. Ecotoxicity

|                                                           |                  |
|-----------------------------------------------------------|------------------|
| Hazardous to the aquatic environment, short-term (acute)  | : Not classified |
| Hazardous to the aquatic environment, long-term (chronic) | : Not classified |

### aluminium oxide, non-fibrous (1344-28-1)

|                      |                                                    |
|----------------------|----------------------------------------------------|
| LC50 - Fish [1]      | > 100 mg/l (96 h, Salmo trutta, Literature study)  |
| EC50 - Crustacea [1] | > 100 mg/l (48 h, Daphnia magna, Literature study) |

### 12.2. Persistence and degradability

#### REF Patch X-13 (Mixture)

|                               |                  |
|-------------------------------|------------------|
| Persistence and degradability | Not established. |
|-------------------------------|------------------|

### aluminium oxide, non-fibrous (1344-28-1)

|                               |                 |
|-------------------------------|-----------------|
| Persistence and degradability | Not applicable. |
| Chemical oxygen demand (COD)  | Not applicable  |
| ThOD                          | Not applicable  |

### cristobalite (14464-46-1)

|                               |                          |
|-------------------------------|--------------------------|
| Persistence and degradability | Mineral, Not applicable. |
| Chemical oxygen demand (COD)  | Not applicable           |
| ThOD                          | Not applicable           |
| BOD (% of ThOD)               | Not applicable           |

### phosphoric acid, conc=75%, aqueous solution (7664-38-2)

|                               |                                   |
|-------------------------------|-----------------------------------|
| Persistence and degradability | Biodegradability: not applicable. |
|-------------------------------|-----------------------------------|

### quartz (14808-60-7)

|                                 |                 |
|---------------------------------|-----------------|
| Persistence and degradability   | Not applicable. |
| Biochemical oxygen demand (BOD) | Not applicable  |
| Chemical oxygen demand (COD)    | Not applicable  |
| ThOD                            | Not applicable  |

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|                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 12.3. Bioaccumulative potential                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                |
| REF Patch X-13 (Mixture)                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                |
| Bioaccumulative potential                                                                                                                                                                                                                                | Not established.                                                                                                                                                                                                                                                                                               |
| aluminium oxide, non-fibrous (1344-28-1)                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                |
| Bioaccumulative potential                                                                                                                                                                                                                                | No data available.                                                                                                                                                                                                                                                                                             |
| cristobalite (14464-46-1)                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                |
| Bioaccumulative potential                                                                                                                                                                                                                                | No data available.                                                                                                                                                                                                                                                                                             |
| phosphoric acid, conc=75%, aqueous solution (7664-38-2)                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                |
| Bioaccumulative potential                                                                                                                                                                                                                                | No test data of component(s) available.                                                                                                                                                                                                                                                                        |
| quartz (14808-60-7)                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                |
| Bioaccumulative potential                                                                                                                                                                                                                                | No data available.                                                                                                                                                                                                                                                                                             |
| 12.4. Mobility in soil                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                |
| aluminium oxide, non-fibrous (1344-28-1)                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                |
| Surface tension                                                                                                                                                                                                                                          | Not applicable (water solubility < 1 mg/l)                                                                                                                                                                                                                                                                     |
| Ecology - soil                                                                                                                                                                                                                                           | No data available.                                                                                                                                                                                                                                                                                             |
| cristobalite (14464-46-1)                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                |
| Ecology - soil                                                                                                                                                                                                                                           | No data available.                                                                                                                                                                                                                                                                                             |
| phosphoric acid, conc=75%, aqueous solution (7664-38-2)                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                |
| Ecology - soil                                                                                                                                                                                                                                           | Highly mobile in soil.                                                                                                                                                                                                                                                                                         |
| 12.5. Other adverse effects                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                |
| Ozone                                                                                                                                                                                                                                                    | : Not classified                                                                                                                                                                                                                                                                                               |
| Effect on the global warming                                                                                                                                                                                                                             | : None known                                                                                                                                                                                                                                                                                                   |
| Fluorinated greenhouse gases                                                                                                                                                                                                                             | : No                                                                                                                                                                                                                                                                                                           |
| Other information                                                                                                                                                                                                                                        | : Avoid release to the environment.                                                                                                                                                                                                                                                                            |
| SECTION 13 Disposal considerations                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                |
| Product/Packaging disposal recommendations                                                                                                                                                                                                               | : Dispose in a safe manner in accordance with local/national regulations.                                                                                                                                                                                                                                      |
| SECTION 14 Transport information                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                |
| In accordance with DOT / TDG / IMDG / IATA<br>Department of Transportation (DOT)<br>In accordance with DOT<br>Not regulated<br>Transportation of Dangerous Goods<br>Not regulated<br>Transport by sea<br>Not regulated<br>Air transport<br>Not regulated |                                                                                                                                                                                                                                                                                                                |
| SECTION 15 Regulatory information                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                |
| 15.1. Federal regulations                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                |
| All components of this product are present and listed as Active on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory                                                                                       |                                                                                                                                                                                                                                                                                                                |
| aluminium oxide, non-fibrous (1344-28-1)                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                |
| Not subject to reporting requirements of the United States SARA Section 313                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                |
| Note                                                                                                                                                                                                                                                     | Note: The section 313 chemical list contains "CAS # 1344-28-1 Aluminum Oxide (Fibrous forms)"; the Aluminum oxide contained in this product is non-fibrous, and thus is not a section 313 material. Only manufacturing, processing, or otherwise use of aluminum oxide in the fibrous form triggers reporting. |

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|                                                                             |         |
|-----------------------------------------------------------------------------|---------|
| <b>phosphoric acid, conc=75%, aqueous solution (7664-38-2)</b>              |         |
| Not subject to reporting requirements of the United States SARA Section 313 |         |
| CERCLA RQ                                                                   | 5000 lb |

### 15.2. International regulations

#### CANADA

|                                                       |
|-------------------------------------------------------|
| <b>aluminium oxide, non-fibrous (1344-28-1)</b>       |
| Listed on the Canadian DSL (Domestic Substances List) |

|                                                       |
|-------------------------------------------------------|
| <b>cristobalite (14464-46-1)</b>                      |
| Listed on the Canadian DSL (Domestic Substances List) |

|                                                                |
|----------------------------------------------------------------|
| <b>phosphoric acid, conc=75%, aqueous solution (7664-38-2)</b> |
| Listed on the Canadian DSL (Domestic Substances List)          |

#### EU-Regulations

No additional information available

#### National regulations

|                                                              |
|--------------------------------------------------------------|
| <b>quartz (14808-60-7)</b>                                   |
| Listed on IARC (International Agency for Research on Cancer) |

### 15.3. State regulations

|                                                        |                                                                                                                                                                                                      |
|--------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>REF Patch X-13 (Mixture)</b>                        |                                                                                                                                                                                                      |
| U.S. - California - Proposition 65 - Other information | This product contains crystalline silica, a chemical known to the state of California to cause cancer. For more information go to <a href="http://WWW.P65Warnings.ca.gov">WWW.P65Warnings.ca.gov</a> |

|                                                       |                                                             |                                                                     |                                                                   |                                  |                                     |
|-------------------------------------------------------|-------------------------------------------------------------|---------------------------------------------------------------------|-------------------------------------------------------------------|----------------------------------|-------------------------------------|
| <b>cristobalite (14464-46-1)</b>                      |                                                             |                                                                     |                                                                   |                                  |                                     |
| U.S. - California - Proposition 65 - Carcinogens List | U.S. - California - Proposition 65 - Developmental Toxicity | U.S. - California - Proposition 65 - Reproductive Toxicity - Female | U.S. - California - Proposition 65 - Reproductive Toxicity - Male | No significant risk level (NSRL) | Maximum allowable dose level (MADL) |
| Yes                                                   | No                                                          | No                                                                  | No                                                                |                                  |                                     |

|                                                       |                                                             |                                                                     |                                                                   |                                  |                                     |
|-------------------------------------------------------|-------------------------------------------------------------|---------------------------------------------------------------------|-------------------------------------------------------------------|----------------------------------|-------------------------------------|
| <b>quartz (14808-60-7)</b>                            |                                                             |                                                                     |                                                                   |                                  |                                     |
| U.S. - California - Proposition 65 - Carcinogens List | U.S. - California - Proposition 65 - Developmental Toxicity | U.S. - California - Proposition 65 - Reproductive Toxicity - Female | U.S. - California - Proposition 65 - Reproductive Toxicity - Male | No significant risk level (NSRL) | Maximum allowable dose level (MADL) |
| Yes                                                   | No                                                          | No                                                                  | No                                                                |                                  |                                     |

| Component                                              | State or local regulations                                                                                                                            |
|--------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|
| aluminium oxide, non-fibrous(1344-28-1)                | U.S. - Massachusetts - Right To Know List; U.S. - New Jersey - Right to Know Hazardous Substance List; U.S. - Pennsylvania - RTK (Right to Know) List |
| cristobalite(14464-46-1)                               | U.S. - Massachusetts - Right To Know List; U.S. - New Jersey - Right to Know Hazardous Substance List; U.S. - Pennsylvania - RTK (Right to Know) List |
| phosphoric acid, conc=75%, aqueous solution(7664-38-2) | U.S. - New Jersey - Right to Know Hazardous Substance List; U.S. - Pennsylvania - RTK (Right to Know) List                                            |
| quartz(14808-60-7)                                     | U.S. - New Jersey - Right to Know Hazardous Substance List                                                                                            |

### SECTION 16 Other information

according to 29 CFR § 1910.1200, Hazard Communication Standard (HCS 2024)

Revision date : 7/30/2026

Issue date : 6/17/2015

Other information : Report language name. English. In the event of any conflict between English and other language versions, the English version shall prevail.

|                                                     |                                         |
|-----------------------------------------------------|-----------------------------------------|
| <b>Full text of hazard classes and H-statements</b> |                                         |
| H314                                                | Causes severe skin burns and eye damage |
| H315                                                | Causes skin irritation                  |
| H320                                                | Causes eye irritation                   |
| H350                                                | May cause cancer.                       |

Safety Data Sheet (SDS), USA

This information and recommendations set forth herein are taken from sources believed to be accurate as of the date herein, however, RHI Magnesita makes no warranty with respect to the accuracy of the information or the suitability of the recommendations, and assumes no liability to any user thereof.