

# SAFETY DATA SHEET

**RG -2400-LT**

## 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

**Identification of the substance or preparation****Product name** : RG -2400-LT**Product type** : Gel**Use of the substance/preparation** : Coating for the prevention of corrosion.**Supplier/Manufacturer** : Polyguard Products  
3801 South Interstate 45  
Ennis, TX 75119  
Tel: (800)541-4994**e-mail address of person responsible for this SDS** : Chris@polyguardproduct.com**Emergency telephone number (with hours of operation)** : CHEMTREC, U.S. : +1-800-424-9300 International: +1-703-527-3887

## 2. HAZARDS IDENTIFICATION

The product is not classified as dangerous according to Directive 1999/45/EC and its amendments.

**Classification** : Not classified.

See section 11 for more detailed information on health effects and symptoms.

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

**Substance/preparation** : Preparation

Ingredient name	CAS number	%	EC number	Classification
<b>United Kingdom (UK)</b>				
Precipitated silica	112926-00-8	5 - 10	231-545-4	Not classified. [2]
<b>Austria</b>				
Precipitated silica	112926-00-8	5 - 10	231-545-4	Not classified. [2]
<b>Netherlands</b>				
Precipitated silica	112926-00-8	10-15	231-545-4	Not classified. [2]
<b>Spain</b>				
Precipitated silica	112926-00-8	5 - 10	231-545-4	Not classified. [2]
Calcium silicate	1344-95-2	1 - 5	215-710-8	Not classified. [2]

See section 16 for the full text of the R-phrases declared above

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

[1] Substance classified with a health or environmental hazard

[2] Substance with a workplace exposure limit

Occupational exposure limits, if available, are listed in section 8.

## 4. FIRST AID MEASURES

- Eye contact** : Check for and remove any contact lenses. In case of contact with eyes, rinse immediately with plenty of water. Obtain medical attention if symptoms occur.
- Skin contact** : Wash with soap and water. Obtain medical attention if symptoms occur.
- Inhalation** : If inhaled, remove to fresh air. If not breathing, give artificial respiration. Get medical attention if symptoms appear.
- Ingestion** : Do not induce vomiting. Never give anything by mouth to an unconscious person. Get medical attention if symptoms appear.
- Protection of first-aiders** : No action shall be taken involving any personal risk or without suitable training.
- Notes to physician** : No specific treatment. Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.

See section 11 for more detailed information on health effects and symptoms.

## 5. FIRE-FIGHTING MEASURES

### Extinguishing media

- Suitable** : Use an extinguishing agent suitable for the surrounding fire.
- Not suitable** : None known.
- Special exposure hazards** : In a fire or if heated, a pressure increase will occur and the container may burst.
- Hazardous thermal decomposition products** : Decomposition products may include the following materials:  
metal oxide/oxides
- Special protective equipment for fire-fighters** : Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

## 6. ACCIDENTAL RELEASE MEASURES

- Personal precautions** : No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Avoid breathing vapour or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment (see section 8).
- Environmental precautions** : Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).
- Methods for cleaning up**
- Small spill** : Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble or absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor
- Large spill** : Stop leak if without risk. Move containers from spill area. Approach the release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see section 13). Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilt product. Note: see section 1 for emergency contact information and section 13 for waste disposal.

## 7. HANDLING AND STORAGE

- Handling** : Put on appropriate personal protective equipment (see section 8). Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Do not ingest. Avoid contact with eyes, skin and clothing. Avoid breathing vapour or mist. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.
- Storage** : Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination.
- Packaging materials**
- Recommended** : Use original container.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Exposure limit values

Ingredient name	Occupational exposure limits
<b>United Kingdom (UK)</b> Precipitated silica	<b>EH40/2005 WELs (United Kingdom (UK), 8/2007).</b> TWA: 6 mg/m <sup>3</sup> 8 hour(s). Form: Inhalable dust. TWA: 2.4 mg/m <sup>3</sup> 8 hour(s). Form: Respirable dust
<b>Austria</b> Precipitated silica	<b>GKV_MAK (Austria, 9/2007).</b> TWA: 4 mg/m <sup>3</sup> 8 hour(s). Form: Inhalable fraction. TWA: 0.3 mg/m <sup>3</sup> 8 hour(s). Form: Respirable fraction
<b>Germany</b> No exposure limit value known.	
<b>France</b> No exposure limit value known.	
<b>Italy</b> No exposure limit value known.	
<b>Netherlands</b> Precipitated silica	<b>MinSZW Wettelijke Grenswaarden (Netherlands, 1/2008).</b> MAC-TGG, 8 uur: 0.075 mg/m <sup>3</sup> 8 hour(s). Form: Respirable dust
<b>Norway</b> No exposure limit value known.	
<b>Spain</b> Precipitated silica	<b>INSHT (Spain, 12/2007).</b> TWA: 10 mg/m <sup>3</sup> 8 hour(s).
Calcium silicate	<b>INSHT (Spain, 12/2007).</b> TWA: 10 mg/m <sup>3</sup> 8 hour(s).
<b>Sweden</b> No exposure limit value known.	
<b>Turkey</b> No exposure limit value known.	

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Recommended monitoring procedures** : If this product contains ingredients with exposure limits, personal, workplace atmosphere or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment. Reference should be made to European Standard EN 689 for methods for the assessment of exposure by inhalation to chemical agents and national guidance documents for methods for the determination of hazardous substances.

### Exposure controls

**Occupational exposure controls** : No special ventilation requirements. Good general ventilation should be sufficient to control worker exposure to airborne contaminants. If this product contains ingredients with exposure limits, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure below any recommended or statutory limits.

**Respiratory protection** : A respirator is not needed under normal and intended conditions of product use.

**Hand protection** : Disposable vinyl gloves.

**Eye protection** : Safety glasses.

**Skin protection** : Overalls buttoned to the neck and wrist.



**Hygiene measures** : Wash hands, forearms and face thoroughly after handling compounds and before eating, smoking and using the lavatory and at the end of the day. Follow good industrial hygiene practice.

**Environmental exposure controls** : Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### General information

#### Appearance

**Physical state** : Gel

**Colour** : Blue-grey to steel blue cream.

**Odour** : Paint. [Slight]

### Important health, safety and environmental information

**Flash point** : Not available.

**Relative density** : 0.95 to 1.15

**Solubility** : Insoluble in the following materials: cold water and hot water.

**Viscosity** : Not available.

## 10. STABILITY AND REACTIVITY

**Stability** : The product is stable. Under normal conditions of storage and use, hazardous polymerisation will not occur.

**Conditions to avoid** : No specific data.

**Materials to avoid** : Reactive or incompatible with the following materials: oxidizing materials.

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

## 11. TOXICOLOGICAL INFORMATION

### Potential acute health effects

- Inhalation** : No known significant effects or critical hazards.
- Ingestion** : No known significant effects or critical hazards.
- Skin contact** : No known significant effects or critical hazards.
- Eye contact** : No known significant effects or critical hazards.

### Potential chronic health effects

#### Reproductive toxicity

- Chronic effects** : No known significant effects or critical hazards.
- Carcinogenicity** : No known significant effects or critical hazards.
- Mutagenicity** : No known significant effects or critical hazards.
- Teratogenicity** : No known significant effects or critical hazards.
- Developmental effects** : No known significant effects or critical hazards.
- Fertility effects** : No known significant effects or critical hazards.
- Denmark – Carcinogen list** : Contains a substance or substances listed under National Working Environment Authorities Executive Order 140/1997.

### Over-exposure signs/symptoms

- Inhalation** : No specific data.
- Ingestion** : No specific data.
- Skin** : No specific data.
- Eyes** : No specific data.
- Target organs** : Contains material which causes damage to the following organs: upper respiratory tract, skin, eye, lens or cornea.

## 12. ECOLOGICAL INFORMATION

- Environmental effects** : No known significant effects or critical hazards.
- Other adverse effects** : No known significant effects or critical hazards.

## 13. DISPOSAL CONSIDERATIONS

- Methods of disposal** : The generation of waste should be avoided or minimised wherever possible. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe way. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers.
- Hazardous waste** : Within the present knowledge of the supplier, this product is not regarded as hazardous waste, as defined by EU Directive 91/689/EEC.

## 14. TRANSPORT INFORMATION

### International transport regulations

- ADR/RID / IMDG / IATA Classes** : Not regulated by any transport mode.

## 15. REGULATORY INFORMATION

### EU regulations

Classification and labeling have been determined according to EU Directives 67/548/EEC and 1999/45/EC (including amendments) and take into account the intended product use.

**Risk phrases** : This product is not classified according to EU legislation.

**Product use** : Industrial applications.

**Europe inventory** : All components are listed or exempted.

### Other EU regulations

**Additional warning phrases** : Safety data sheet available for professional user on request.

### National regulations

#### Norway

**Risk phrases** : Not classified.

**Carcinogenic class** : Not classified.

#### France

**Reinforced medical surveillance** : Act of July 11, 1977 determining the list of activities which require reinforced medical surveillance: not applicable

#### Germany

**Hazard class for water** : 1 Appendix No. 4

#### Austria

**Limitation of the use of organic solvents** : Permitted.

#### Italy

**Emission control directive** : 100% Not classified.

## 16. OTHER INFORMATION

### History

**Date of issue** : 15/09/2008

**Version** : 1

### Notice to reader

To the best of our knowledge, the information contained herein is accurate. However, neither the above-named supplier, nor any of its subsidiaries, assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.