Safety Data Sheet

This safety data sheet was created pursuant to the requirements of:
Regulation (EC) No. 1907/2006 and Regulation (EC) No. 1272/2008

Revision Date: 20-Apr-2023 **Version** 1

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

SDS # PGP-006-EU
Product Name RG-2400 LT ®

Other means of identification
Pure substance/mixture Mixture

Contains Petroleum distillates, hydrotreated heavy paraffinic

1.2. Relevant identified uses of the substance or mixture and uses advised against

Recommended Use Coating for the prevention of corrosion

Uses Advised Against No information available

1.3. Details of the supplier of the safety data sheet

Supplier
Polyguard Products INC.
4101 South Interstate 45
P.O. Box 755
Ennis, TX 75119
Phone: 214-515-5000
www.polyguard.com

For further information, please contact
Contact Point Polyguard Products INC. Phone: 214-515-5000

1.4. Emergency telephone number

Emergency Telephone (24 hr) CHEMTREC: 1-703-527-3887 (INTERNATIONAL)
1-800-424-9300 (NORTH AMERICA)

Emergency Telephone Number - §45 - (EC)1272/2008	
Europe	**112**

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Regulation (EC) No 1272/2008

Carcinogenicity	Category 1B - (H350)

2.2. Label elements

Contains Petroleum distillates, hydrotreated heavy paraffinic

Signal word
Danger

Hazard statements
H350 - May cause cancer

Precautionary Statements - EU (§28, 1272/2008)
P201 - Obtain special instructions before use
P261 - Avoid breathing dust/fume/gas/mist/vapours/spray
P280 - Wear protective gloves/protective clothing/eye protection/face protection
P304 + P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing
P321 - Specific treatment (see .? on this label)
P403 + P233 - Store in a well-ventilated place. Keep container tightly closed

Unknown acute toxicity

Unknown aquatic toxicity Contains 0 % of components with unknown hazards to the aquatic environment.

Additional information
This product requires child resistant fastenings if supplied to the general public. This product requires tactile warnings if supplied to the general public.

2.3. Other hazards
No information available.

Endocrine Disruptor Information This product does not contain any known or suspected endocrine disruptors.

SECTION 3: Composition/information on ingredients

3.1 Substances
Not applicable

3.2 Mixtures

Chemical name	Weight-%	REACH registration number	EC No (EU Index No)	Classification according to Regulation (EC) No. 1272/2008 [CLP]	Specific concentration limit (SCL)	M-Factor	M-Factor (long-term)
Petroleum distillates, hydrotreated heavy paraffinic 64742-54-7	38-42	No data available	(649-467-00-8) 265-157-1	Carc. 1B (H350)	-	-	-
Synthetic calcium silicate 1344-95-2	7-9	No data available	215-710-8	No data available	-	-	-
Octadecyl 3-(3,5-di-tert-butyl-4-hydroxyphenyl)propionate 2082-79-3	0.4-0.6	No data available	218-216-0	No data available	-	-	-
Titanium dioxide 13463-67-7	0.03-0.06	No data available	(022-006-00-2) 236-675-5	Carc. 2 (H351i)	-	-	-

Full text of H- and EUH-phrases: see section 16

Acute Toxicity Estimate

If LD50/LC50 data is not available or does not correspond to the classification category, then the appropriate conversion value from CLP Annex I, Table 3.1.2, is used to calculate the acute toxicity estimate (ATEmix) for classifying a mixture based on its components

Chemical name	Oral LD50 mg/kg	Dermal LD50 mg/kg	Inhalation LC50 - 4 hour - dust/mist - mg/L	Inhalation LC50 - 4 hour - vapour - mg/L	Inhalation LC50 - 4 hour - gas - ppm
Petroleum distillates, hydrotreated heavy paraffinic 64742-54-7	15000	5000	No data available	No data available	No data available
Synthetic calcium silicate 1344-95-2	5000	No data available	No data available	No data available	No data available
Octadecyl 3-(3,5-di-tert-butyl-4-hydroxyphenyl)propionate 2082-79-3	5000	2000	Inhalation LC50 Rat >1811 mg/m^3 4 h (no deaths occurred, aerosol, nose only, Source: EPA_HPV)	>1811	Inhalation LC50 Rat >1811 mg/m^3 4 h (no deaths occurred, aerosol, nose only, Source: EPA_HPV)
Titanium dioxide 13463-67-7	10000	No data available	Inhalation LC50 Rat 5.09 mg/L 4 h (no deaths occurred, dust, Source: ECHA_API) 5.09	5.09	Inhalation LC50 Rat 5.09 mg/L 4 h (no deaths occurred, dust, Source: ECHA_API)

This product does not contain candidate substances of very high concern at a concentration >=0.1% (Regulation (EC) No. 1907/2006 (REACH), Article 59)

SECTION 4: First aid measures

4.1. Description of first aid measures

General advice IF exposed or concerned: Get medical advice/attention. Show this safety data sheet to the doctor in attendance.

Inhalation Remove to fresh air.

Eye contact Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a doctor.

Skin contact Wash skin with soap and water. In the case of skin irritation or allergic reactions see a doctor.

Ingestion Rinse mouth.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms No information available.

4.3. Indication of any immediate medical attention and special treatment needed

Note to doctors Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable Extinguishing Media Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Large Fire CAUTION: Use of water spray when fighting fire may be inefficient.

Unsuitable extinguishing media Do not scatter spilled material with high pressure water streams.

5.2. Special hazards arising from the substance or mixture

Specific hazards arising from the chemical No information available.

5.3. Advice for firefighters

Special protective equipment and precautions for fire-fighters Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protection equipment.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions Ensure adequate ventilation.

Other information Refer to protective measures listed in Sections 7 and 8.

For emergency responders Use personal protection recommended in Section 8.

6.2. Environmental precautions

Environmental precautions See Section 12 for additional Ecological Information.

6.3. 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 Take up mechanically, placing in appropriate containers for disposal.

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

6.4. Reference to other sections

Reference to other sections See section 8 for more information. See section 13 for more information.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes or clothing. Do not eat, drink or smoke when using this product. Remove contaminated clothing and shoes.

General hygiene considerations Do not eat, drink or smoke when using this product. Wash hands before breaks and immediately after handling the product.

7.2. Conditions for safe storage, including any incompatibilities

Storage Conditions Store locked up.

Storage class (TRGS 510) LGK 6.1C.

7.3. Specific end use(s)

Specific Use(s)
Coating for the prevention of corrosion.

Risk Management Methods (RMM) The information required is contained in this Safety Data Sheet.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters
Exposure Limits

Chemical name	European Union	Austria	Belgium	Bulgaria	Croatia
Synthetic calcium silicate 1344-95-2	-	-	TWA: 10 mg/m^3	-	TWA: 10 mg/m^3 TWA: 4 mg/m^3
Titanium dioxide 13463-67-7	-	TWA: 5 mg/m^3 STEL 10 mg/m^3	TWA: 10 mg/m^3	TWA: 10.0 mg/m^3	TWA: 10 mg/m^3 TWA: 4 mg/m^3
Chemical name	Cyprus	Czech Republic	Denmark	Estonia	Finland
Synthetic calcium silicate 1344-95-2	-	-	-	TWA: 10 mg/m^3	-
Titanium dioxide 13463-67-7	-	-	TWA: 6 mg/m^3	TWA: 5 mg/m^3	-
Chemical name	France	Germany TRGS	Germany DFG	Greece	Hungary
Synthetic calcium silicate 1344-95-2	-	-	-	TWA: 10 mg/m^3 TWA: 5 mg/m^3	-
Octadecyl 3-(3,5-di-tert-butyl-4-hydroxyphenyl)propionate 2082-79-3	-	TWA: 20 mg/m^3	TWA: 20 mg/m^3 Peak: 40 mg/m^3	-	-
Titanium dioxide 13463-67-7	TWA: 10 mg/m^3	TWA: 1.25 mg/m^3 TWA: 10 mg/m^3	TWA: 0.3 mg/m^3 Peak: 2.4 mg/m^3	TWA: 10 mg/m^3 TWA: 5 mg/m^3	-
Chemical name	Ireland	Italy MDLPS	Italy AIDII	Latvia	Lithuania
Synthetic calcium silicate 1344-95-2	TWA: 1 mg/m^3 TWA: 1 f/cc STEL: 3 mg/m^3	-	TWA: 1 mg/m^3	-	-
Titanium dioxide 13463-67-7	TWA: 10 mg/m^3 TWA: 4 mg/m^3 STEL: 30 mg/m^3 STEL: 12 mg/m^3	-	TWA: 10 mg/m^3	TWA: 10 mg/m^3	TWA: 5 mg/m^3
Chemical name	Luxembourg	Malta	Netherlands	Norway	Poland
Titanium dioxide 13463-67-7	-	-	-	TWA: 5 mg/m^3 STEL: 10 mg/m^3	STEL: 30 mg/m^3 TWA: 10 mg/m^3
Chemical name	Portugal	Romania	Slovakia	Slovenia	Spain
Synthetic calcium silicate 1344-95-2	TWA: 10 mg/m^3	-	-	-	TWA: 10 mg/m^3
Octadecyl 3-(3,5-di-tert-butyl-4-hydroxyphenyl)propionate 2082-79-3	-	-	-	TWA: 20 mg/m^3 STEL: 40 mg/m^3	-
Titanium dioxide 13463-67-7	TWA: 10 mg/m^3	TWA: 10 mg/m^3 STEL: 15 mg/m^3	TWA: 5 mg/m^3	-	TWA: 10 mg/m^3

Chemical name	Sweden	Switzerland	United Kingdom
Synthetic calcium silicate 1344-95-2	-	TWA: 3 mg/m^3	TWA: 10 mg/m^3 TWA: 4 mg/m^3 STEL: 30 mg/m^3 STEL: 12 mg/m^3
Titanium dioxide 13463-67-7	NGV: 5 mg/m^3	TWA: 3 mg/m^3	TWA: 10 mg/m^3 TWA: 4 mg/m^3 STEL: 30 mg/m^3 STEL: 12 mg/m^3

Biological occupational exposure limits This product, as supplied, does not contain any hazardous materials with biological limits established by the region specific regulatory bodies.

Derived No Effect Level (DNEL) - Workers No information available

Derived No Effect Level (DNEL) - General Public No information available.

Predicted No Effect Concentration (PNEC) No information available.

8.2. Exposure controls

Engineering controls No information available.

Personal Protective Equipment

Eye/face protection No special protective equipment required.

Hand protection Wear suitable gloves.

Skin and body protection Wear suitable protective clothing.

Respiratory protection No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.

General hygiene considerations Do not eat, drink or smoke when using this product. Wash hands before breaks and immediately after handling the product.

Environmental exposure controls No information available.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state Liquid
Appearance Bluish creamy gel
Colour Bluish
Odour No information available.
Odour Threshold No information available

Property	Values	Remarks • Method
Melting point / freezing point	No data available	
Initial boiling point and boiling range	No data available	
Flammability (Solid, Gas)	No data available	
Flammability Limit in Air		
Upper flammability or explosive limits	No data available	

Lower flammability or explosive limits	No data available
Flash point	179.4 - 179.4 °C
Autoignition temperature	No data available 434-437
Decomposition temperature	
pH	No data available
pH (as aqueous solution)	No data available
Kinematic viscosity	No data available
Dynamic Viscosity	No data available
Water solubility	No data available
Solubility(ies)	Insoluble in water
Partition Coefficient	No data available
Vapour Pressure	No data available
Relative Density	0.95-1.15
Bulk Density	No data available
Liquid Density	8.7 lbs/gal
Vapour Density	No data available
Particle characteristics	
Particle Size	No information available
Particle Size Distribution	No information available

9.2. Other information

9.2.1. Information with regards to physical hazard classes
Not applicable

9.2.2. Other safety characteristics
No information available

SECTION 10: Stability and reactivity

10.1. Reactivity
Reactivity No information available.

10.2. Chemical stability
Stability Stable under normal conditions.

Explosion Data
Sensitivity to mechanical impact None.
Sensitivity to static discharge None.

10.3. Possibility of hazardous reactions
Possibility of hazardous reactions None under normal processing.

Hazardous Polymerisation Hazardous polymerisation does not occur.

10.4. Conditions to avoid
Conditions to avoid None known based on information supplied.

10.5. Incompatible materials
Incompatible materials None known based on information supplied.

10.6. Hazardous decomposition products
Hazardous Decomposition Products None known based on information supplied.

SECTION 11: Toxicological information

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Information on likely routes of exposure

Product Information

Symptoms related to the physical, chemical and toxicological characteristics

Symptoms Please see section 4 of this SDS for symptoms.

Acute toxicity

Numerical measures of toxicity

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

ATEmix (oral) 17,374.70 mg/kg
ATEmix (dermal) 8,482.50 mg/kg
ATEmix (inhalation-gas) 1,187.60 ppm

Unknown acute toxicity
Component Information

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Petroleum distillates, hydrotreated heavy paraffinic	> 15 g/kg (Rat)	> 5000 mg/kg (Rabbit)	-
Synthetic calcium silicate	> 5000 mg/kg (Rat)	-	-
Octadecyl 3-(3,5-di-tert-butyl-4-hydroxyphenyl)propionate	> 5000 mg/kg (Rat)	> 2000 mg/kg (Rabbit)	> 1811 mg/m^3 (Rat) 4 h
Titanium dioxide	> 10000 mg/kg (Rat)	-	= 5.09 mg/L (Rat) 4 h

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

Skin corrosion/irritation Not classified.

Serious eye damage/eye irritation Not classified.

Respiratory or skin sensitisation Not classified.

Germ cell mutagenicity Not classified.

Carcinogenicity Contains a known or suspected carcinogen. Classification based on data available for ingredients. May cause cancer.

The table below indicates whether each agency has listed any ingredient as a carcinogen.

Chemical name	European Union
Petroleum distillates, hydrotreated heavy paraffinic	Carc. 1B
Titanium dioxide	Carc. 2

Reproductive toxicity Contains a known or suspected reproductive toxin. Classification based on data available for ingredients.

STOT - single exposure Not classified.

STOT - repeated exposure Not classified.

Aspiration hazard Not classified.

11.2. Information on other hazards

11.2.1. Endocrine disrupting properties

Endocrine disrupting properties This product does not contain any known or suspected endocrine disruptors.

11.2.2. Other information

Other Adverse Effects No information available.

SECTION 12: Ecological information

12.1. Toxicity
Ecotoxicity

Unknown aquatic toxicity Contains 0 % of components with unknown hazards to the aquatic environment.

Chemical name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea
Petroleum distillates, hydrotreated heavy paraffinic	-	LC50: >5000mg/L (96h, Oncorhynchus mykiss)	-	EC50: >1000mg/L (48h, Daphnia magna)
Octadecyl 3-(3,5-di-tert-butyl-4-hydroxyphenyl)propionate	EC50: >30mg/L (72h, Desmodesmus subspicatus)	LC50: >100mg/L (96h, Lepomis macrochirus)	-	-

12.2. Persistence and degradability
Persistence/Degradability No information available.

12.3. Bioaccumulative potential
Bioaccumulation

Component Information

Chemical name	Partition coefficient
Octadecyl 3-(3,5-di-tert-butyl-4-hydroxyphenyl)propionate	6

12.4. Mobility in soil

Mobility in Soil No information available.

12.5. Results of PBT and vPvB assessment
PBT and vPvB assessment The product does not contain any substance(s) classified as PBT or vPvB.

Chemical name	PBT and vPvB assessment
Petroleum distillates, hydrotreated heavy paraffinic	The substance is not PBT / vPvB
Synthetic calcium silicate	The substance is not PBT / vPvB PBT assessment does not apply
Octadecyl 3-(3,5-di-tert-butyl-4-hydroxyphenyl)propionate	The substance is not PBT / vPvB PBT assessment does not apply
Titanium dioxide	The substance is not PBT / vPvB PBT assessment does not apply

12.6. Endocrine disrupting properties

Endocrine disrupting properties No information available.

12.7. Other adverse effects
No information available.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste from residues/unused products Dispose of in accordance with local regulations. Dispose of waste in accordance with environmental legislation.

Contaminated packaging Do not reuse empty containers.

SECTION 14: Transport information

IMDG
14.2 Proper Shipping Name Not regulated

RID
14.2 Proper Shipping Name Not regulated

ADR
14.2 Proper Shipping Name Not regulated

IATA
14.2 Proper Shipping Name Not regulated

SECTION 15: Regulatory information

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

European Union

Take note of Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work.

Authorisations and/or restrictions on use:
This product contains one or more substance(s) subject to restriction (Regulation (EC) No. 1907/2006 (REACH), Annex XVII)

Chemical name	Restricted substance per REACH Annex XVII	Substance subject to authorisation per REACH Annex XIV
Petroleum distillates, hydrotreated heavy paraffinic - 64742-54-7	28. 75.	-
Titanium dioxide - 13463-67-7	75.	-

Persistent Organic Pollutants
Not applicable

Dangerous substance category per Seveso Directive (2012/18/EU)
H2 - ACUTE TOXIC

Ozone-depleting substances (ODS) regulation (EC) 1005/2009
Not applicable

International Inventories

Chemical name	TSCA	DSL/NDSL	EINECS/ELINCS	PICCS	ENCS	IECSC	AIIC	KECL
Petroleum distillates, hydrotreated heavy paraffinic 64742-54-7 (38-42)	X	X	X	X	X	X	X	X
Synthetic calcium silicate 1344-95-2 (7-9)	X	X	X	X	X	X	X	X
Octadecyl 3-(3,5-di-tert-butyl-4-hydroxyphenyl)propionate 2082-79-3 (0.4-0.6)	X	X	X	X	X	X	X	X
Titanium dioxide 13463-67-7 (0.03-0.06)	X	X	X	X	X	X	X	X

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
NZIoC - New Zealand Inventory of Chemicals

15.2. Chemical safety assessment

Chemical Safety Report No information available

SECTION 16: Other information

Key or legend to abbreviations and acronyms used in the safety data sheet

Full text of H-Statements referred to under section 3
H350 - May cause cancer
H351i - Suspected of causing cancer if inhaled

Legend
SVHC: Substances of Very High Concern for Authorisation:

Legend Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

TWA	TWA (time-weighted average)	STEL	STEL (Short Term Exposure Limit)
Ceiling	Maximum limit value	*	Skin designation
+	Sensitisers		

Classification procedure	
Classification according to Regulation (EC) No. 1272/2008 [CLP]	Method Used
Acute oral toxicity	Calculation method
Acute dermal toxicity	Calculation method
Acute inhalation toxicity - gas	Calculation method
Acute inhalation toxicity - vapour	Calculation method
Acute inhalation toxicity - dust/mist	Calculation method
Skin corrosion/irritation	Calculation method

Serious eye damage/eye irritation	Calculation method
Respiratory sensitisation	Calculation method
Skin sensitisation	Calculation method
Mutagenicity	Calculation method
Carcinogenicity	Calculation method
Reproductive toxicity	Calculation method
STOT - single exposure	Calculation method
STOT - repeated exposure	Calculation method
Acute aquatic toxicity	Calculation method
Chronic aquatic toxicity	Calculation method
Aspiration hazard	Calculation method
Ozone	Calculation method

Key literature references and sources for data used to compile the SDS
Agency for Toxic Substances and Disease Registry (ATSDR)
U.S. Environmental Protection Agency ChemView Database
European Food Safety Authority (EFSA)
European Chemicals Agency (ECHA) Committee for Risk Assessment (ECHA_RAC)
European Chemicals Agency (ECHA) (ECHA_API)
EPA (Environmental Protection Agency)
Acute Exposure Guideline Level(s) (AEGL(s))
U.S. Environmental Protection Agency Federal Insecticide, Fungicide, and Rodenticide Act
U.S. Environmental Protection Agency High Production Volume Chemicals
Food Research Journal
Hazardous Substance Database
International Uniform Chemical Information Database (IUCLID)
National Institute of Technology and Evaluation (NITE)
Australian National Industrial Chemicals Notification and Assessment Scheme (NICNAS)
NIOSH (National Institute for Occupational Safety and Health)
National Library of Medicine's ChemID Plus (NLM CIP)
National Library of Medicine’s PubMed database (NLM PUBMED)
National Toxicology Program (NTP)
New Zealand's Chemical Classification and Information Database (CCID)
Organisation for Economic Co-operation and Development Environment, Health, and Safety Publications
Organisation for Economic Co-operation and Development High Production Volume Chemicals Programme
Organisation for Economic Co-operation and Development Screening Information Data Set
World Health Organization

Revision Date: 20-Apr-2023

Revision Note: New

Safety Data Sheet according to Regulation (EC) No. 1907/2006 (REACH)
Disclaimer
The information provided in this 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