Safety Data Sheet

Issue Date: 06-Apr-2026 **Revision Date:** 06-Apr-2026 **Version** 1

1. IDENTIFICATION

Product identifier

Product Name RG 2400® CHW

Other means of identification

SDS # PGP-011

UN/ID No UN3082

Recommended use of the chemical and restrictions on use

Recommended use Anti corrosion gel.

Details of the supplier of the safety data sheet

Supplier Address
Polyguard Products INC.
4101 South Interstate 45
Ennis, TX 75119

Emergency telephone number

Company Phone Number 214-515-5000
Emergency Telephone CHEMTREC 1-800-424-9300 (North America)
1-703-527-3887 (International)

2. HAZARDS IDENTIFICATION

Appearance Creamy, greenish gel **Physical state** Liquid

Classification
This product is not considered hazardous by the US OSHA Hazard Communication Standard 2024 (29 CFR 1910.1200)

Label elements

Hazard statements
This product is not considered hazardous by the US OSHA Hazard Communication Standard 2024 (29 CFR 1910.1200)

Other Information
Toxic to aquatic life with long lasting effects.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical name	CAS No.	Weight-%
Petroleum distillates, hydrotreated heavy naphthenic	64742-52-5	10-30
Zinc Oxide	1314-13-2	5-10
Petroleum distillates, solvent dewaxed light paraffinic	64742-56-9	5-10
Petroleum distillates, solvent dewaxed heavy paraffinic	64742-65-0	5-10
Petroleum distillates, hydrotreated light paraffinic	64742-55-8	5-10
Petroleum distillates, hydrotreated heavy paraffinic	64742-54-7	5-10
Synthetic calcium silicate	1344-95-2	1-5

If Chemical Name/CAS No is "proprietary" and/or Weight-% is listed as a range, the specific chemical identity and/or percentage of composition has been withheld as a trade secret.

4. FIRST AID MEASURES

Description of first aid measures

Eye Contact Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 20 minutes. Get medical attention if irritation occurs.

Skin Contact Flush contaminated skin with plenty of water. Get medical attention if symptoms occur. Wash clothing before reuse. Clean shoes thoroughly before reuse.

Inhalation Remove victim to fresh air and keep at rest in a position comfortable for breathing. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention if adverse health effects persist or are severe. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

Ingestion Wash out mouth with water. Remove dentures if any. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention if adverse health effects persist or are severe. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

Self-Protection of the First Aider No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation.

Most important symptoms and effects, both acute and delayed

Symptoms May be harmful if inhaled.

Indication of any immediate medical attention and special treatment needed

Notes to Physician Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.

5. FIRE-FIGHTING MEASURES

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

Unsuitable Extinguishing Media None known.

Specific Hazards Arising from the Chemical
This material is toxic to aquatic life with long lasting effects. Fire water contaminated with this material must be contained and prevented from being discharged to any waterway, sewer or drain.

Hazardous combustion products Decomposition products may include the following materials: metal oxide/oxides.

Protective equipment and precautions for firefighters
Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.
Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

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 spilled material. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.
For Emergency Responders	If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".

Environmental precautions

Environmental precautions	Avoid dispersal of spilled 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). Water polluting material. May be harmful to the environment if released in large quantities. See Section 12 for additional Ecological Information.

Methods and material for containment and cleaning up

Methods for Containment	Prevent further leakage or spillage if safe to do so.
Methods for Clean-Up	Move containers from spill area. 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. Dispose of via a licensed waste disposal contractor.

7. HANDLING AND STORAGE

Precautions for safe handling

Advice on Safe Handling Put on appropriate personal protective equipment. Do not ingest. Avoid contact with eyes, skin and clothing. Avoid breathing vapor or mist. Avoid release to the environment. 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.

Conditions for safe storage, including any incompatibilities

Storage Conditions 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 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 unlabeled containers. Use appropriate containment to avoid environmental contamination.

Incompatible Materials Oxidizing materials.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines

Chemical name	ACGIH TLV	OSHA PEL	NIOSH
Zinc Oxide 1314-13-2	TWA: 2 mg/m^3 respirable particulate matter STEL: 10 mg/m^3 respirable particulate matter	TWA: 5 mg/m^3 fume TWA: 15 mg/m^3 total dust TWA: 5 mg/m^3 respirable fraction (vacated) TWA: 5 mg/m^3 fume (vacated) TWA: 10 mg/m^3 total dust (vacated) TWA: 5 mg/m^3 respirable fraction (vacated) STEL: 10 mg/m^3 fume	TWA: 5 mg/m^3; dust and fume STEL: 10 mg/m^3 fume Ceiling: 15 mg/m^3 dust IDLH: 500 mg/m^3
Synthetic calcium silicate 1344-95-2	-	TWA: 15 mg/m^3 total dust TWA: 5 mg/m^3 respirable fraction (vacated) TWA: 15 mg/m^3 total dust (vacated) TWA: 5 mg/m^3 respirable fraction	TWA: 10 mg/m^3; total dust TWA: 5 mg/m^3; respirable dust

Appropriate engineering controls

Engineering Controls Good general ventilation should be sufficient to control worker exposure to airborne contaminants. Ensure that eyewash stations and safety showers are close to the workstation location.

Individual protection measures, such as personal protective equipment

Eye/Face Protection Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: chemical splash goggles and/or face shield. If inhalation hazards exist, a full-face respirator may be required instead. Recommended: safety glasses with side-shields. Refer to 29 CFR 1910.133 for eye and face protection regulations.

Skin and Body Protection Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is

necessary. Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product. Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product. Refer to 29 CFR 1910.138 for appropriate skin and body protection.

Respiratory Protection Based on the hazard and potential for exposure, select a respirator that meets the appropriate standard or certification. Respirators must be used according to a respiratory protection program to ensure proper fitting, training, and other important aspects of use. Refer to 29 CFR 1910.134 for respiratory protection requirements.

General Hygiene Considerations Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical state	Liquid		
Appearance	Creamy, greenish gel	**Odor**	Not determined
Color	Green	**Odor Threshold**	Not determined

Property	**Values**	**Remarks • Method**
pH	No data available	
Melting point / freezing point	No data available	
Initial boiling point and boiling range	No data available	
Flash point	179.44 °C / 355 °F	Cleveland Open Cup
Evaporation rate	Not determined	
Flammability (Solid, Gas)	Not determined	
Flammability Limit in Air		
Upper flammability or explosive limits	No data available	
Lower flammability or explosive limits	No data available	
Vapor Pressure	Not determined	
Relative vapor density	No data available	
Relative Density	0.95-1.15	
Water Solubility	Insoluble in water	
Solubility in other solvents	Not determined	
Partition Coefficient	Not determined	
Autoignition temperature	434-437 °C / 813.2-818.6 °F	
Decomposition temperature	Not determined	
Kinematic viscosity	Not applicable	
Dynamic viscosity	Not determined	
Particle characteristics	No data available	
Explosive Properties	Not determined	
Oxidizing Properties	Not determined	

10. STABILITY AND REACTIVITY

Reactivity
Not reactive under normal conditions.

Chemical stability
Stable under recommended storage conditions.
Possibility of hazardous reactions
None under normal processing.

Conditions to Avoid
Keep out of reach of children.

Incompatible materials
Oxidizing materials.

Hazardous decomposition products
None known based on information supplied.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Product Information

Eye Contact Avoid contact with eyes.

Skin Contact Avoid contact with skin.

Inhalation May be harmful if inhaled.

Ingestion Do not ingest.

Component Information

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Petroleum distillates, hydrotreated heavy naphthenic 64742-52-5	> 5000 mg/kg (Rat)	> 5000 mg/kg (Rabbit)	-
Zinc Oxide 1314-13-2	> 5000 mg/kg (Rat)	> 2000 mg/kg (Rat)	> 5700 mg/m^3 (Rat) 4 h
Petroleum distillates, hydrotreated heavy paraffinic 64742-54-7	> 15 g/kg (Rat)	> 5000 mg/kg (Rabbit)	-
Petroleum distillates, hydrotreated light paraffinic 64742-55-8	-	-	= 3900 mg/m^3 (Rat) 4 h
Petroleum distillates, solvent dewaxed light paraffinic 64742-56-9	> 5000 mg/kg (Rat)	> 5000 mg/kg (Rabbit)	> 5399 mg/m^3 (Rat) 4 h
Petroleum distillates, solvent dewaxed heavy paraffinic 64742-65-0	> 15000 mg/kg (Rat)	> 5000 mg/kg (Rabbit)	> 2400 mg/m^3 (Rat) 4 h
Synthetic calcium silicate 1344-95-2	> 5000 mg/kg (Rat)	-	-

Symptoms related to the physical, chemical and toxicological characteristics

Symptoms Please see section 4 of this SDS for symptoms.

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

Carcinogenicity The component below belongs to the petroleum family, which has been shown to contain carcinogenic substances depending on the level of refinement. The carcinogen classification need not apply if it can be shown that the substance contains less than 3% dimethyl sulfoxide extract.

Chemical name	ACGIH	IARC	NTP	OSHA
Petroleum distillates,	A2 - Suspected Human	Group 1 - Carcinogenic to	Known Human Carcinogen	Present

hydrotreated heavy naphthenic 64742-52-5	Carcinogen	humans		
Petroleum distillates, hydrotreated heavy paraffinic 64742-54-7	A2 - Suspected Human Carcinogen	Group 1 - Carcinogenic to humans	Known Human Carcinogen	Present
Petroleum distillates, hydrotreated light paraffinic 64742-55-8	A2 - Suspected Human Carcinogen	Group 1 - Carcinogenic to humans	Known Human Carcinogen	Present
Petroleum distillates, solvent dewaxed light paraffinic 64742-56-9	A2 - Suspected Human Carcinogen	Group 1 - Carcinogenic to humans	Known Human Carcinogen	Present
Petroleum distillates, solvent dewaxed heavy paraffinic 64742-65-0	A2 - Suspected Human Carcinogen	Group 1 - Carcinogenic to humans	Known Human Carcinogen	Present

Numerical measures of toxicity

The following ATE values have been calculated for the mixture

ATEmix (oral) 8,824.30 mg/kg
ATEmix (dermal) 5,312.80 mg/kg
ATEmix (inhalation-dust/mist) 8.76 mg/L

12. ECOLOGICAL INFORMATION

Ecotoxicity

Toxic to aquatic life with long lasting effects.

Component Information

Chemical name	Algae/aquatic plants	Fish	Crustacea
Petroleum distillates, hydrotreated heavy naphthenic 64742-52-5		LC50: >5000mg/L (96h, Oncorhynchus mykiss)	EC50: >1000mg/L (48h, Daphnia magna)
Zinc Oxide 1314-13-2		LC50: =1.55mg/L (96h, Danio rerio)	
Petroleum distillates, hydrotreated heavy paraffinic 64742-54-7		LC50: >5000mg/L (96h, Oncorhynchus mykiss)	EC50: >1000mg/L (48h, Daphnia magna)
Petroleum distillates, hydrotreated light paraffinic 64742-55-8		LC50: >5000mg/L (96h, Oncorhynchus mykiss)	EC50: >1000mg/L (48h, Daphnia magna)
Petroleum distillates, solvent dewaxed light paraffinic 64742-56-9		LC50: >5000mg/L (96h, Oncorhynchus mykiss)	EC50: >1000mg/L (48h, Daphnia magna)
Petroleum distillates, solvent dewaxed heavy paraffinic 64742-65-0		LC50: >5000mg/L (96h, Oncorhynchus mykiss)	EC50: >1000mg/L (48h, Daphnia magna)

Persistence/Degradability

Not determined.

Bioaccumulation

There is no data for this product.

Mobility

Not determined

Other adverse effects

Not determined

13. DISPOSAL CONSIDERATIONS

Disposal methods

Disposal of Wastes Disposal should be in accordance with applicable regional, national and local laws and regulations.

Contaminated Packaging Disposal should be in accordance with applicable regional, national and local laws and regulations.

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

Chemical name	California Hazardous Waste Status
Zinc Oxide 1314-13-2	Toxic

14. TRANSPORT INFORMATION

Note Please see current shipping paper for most up to date shipping information, including exemptions and special circumstances.

DOT

UN/ID No UN3082
Proper Shipping Name Environmentally hazardous substance, liquid, n.o.s. (Zinc oxide)
Transport hazard class(es) 9
Packing Group III

IATA

UN number or ID number UN3082
Proper Shipping Name Environmentally hazardous substance, liquid, n.o.s. (Zinc oxide)
Transport hazard class(es) 9
Packing group III

IMDG

UN number or ID number UN3082
Proper Shipping Name Environmentally hazardous substance, liquid, n.o.s. (Zinc oxide)
Transport hazard class(es) 9
Packing Group III
Marine Pollutant This material may meet the definition of a marine pollutant

15. REGULATORY INFORMATION

International Inventories

Chemical name	TSCA	TSCA Inventory Status	DSL/NDSL	EINECS/ELINCS	ENCS	IECSC	KECL	PICCS	AIIC
Petroleum distillates, hydrotreated heavy naphthenic	X	ACTIVE	X	X		X	X	X	X
Zinc Oxide	X	ACTIVE	X	X	X	X	X	X	X
Petroleum distillates, hydrotreated heavy paraffinic	X	ACTIVE	X	X		X	X	X	X
Petroleum distillates, hydrotreated light paraffinic	X	ACTIVE	X	X		X	X	X	X
Petroleum distillates, solvent dewaxed light paraffinic	X	ACTIVE	X	X		X	X	X	X
Chemical name	**TSCA**	**TSCA Inventory Status**	**DSL/NDSL**	**EINECS/ELINCS**	**ENCS**	**IECSC**	**KECL**	**PICCS**	**AIIC**

Petroleum distillates, solvent dewaxed heavy paraffinic	X	ACTIVE	X	X		X	X	X	X
Synthetic calcium silicate	X	ACTIVE	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 Chemicals Inventory*

PICCS *- Philippines Inventory of Chemicals and Chemical Substances*

AICS *- Australian Inventory of Chemical Substances*

US Federal Regulations

CERCLA

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

Chemical name	CAS No.	Weight-%	SARA 313 - Threshold Values %
Zinc Oxide - 1314-13-2	1314-13-2	5-10	1.0

CWA (Clean Water Act)

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

Chemical name	CWA - Reportable Quantities	CWA - Toxic Pollutants	CWA - Priority Pollutants	CWA - Hazardous Substances
Zinc Oxide		X		

US State Regulations

California Proposition 65

This product does not contain any Proposition 65 chemicals

U.S. State Right-to-Know Regulations

This product contains the following State Right-to-Know chemicals:

Chemical name	New Jersey	Massachusetts	Pennsylvania
Zinc Oxide 1314-13-2	X	X	X
Petroleum distillates, hydrotreated light paraffinic 64742-55-8		X	
Petroleum distillates, solvent dewaxed light paraffinic 64742-56-9		X	
Synthetic calcium silicate 1344-95-2	X	X	X

16. OTHER INFORMATION

NFPA	**Health hazards** -	**Flammability** -	**Instability** -	**Special hazards** -
HMIS	**Health hazards** -	**Flammability** -	**Physical hazards** -	**Personal protection** -

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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