

APEX ENGINEERING PRODUCTS CORPORATION
1241 Shoreline Drive
Aurora, IL 60504
Phone Number: 630-820-8888 Fax: 630-820-8886

SAFETY DATA SHEET

1. IDENTIFICATION OF THE PRODUCT AND COMPANY_____

Product Identifier

RYDALL SD (pronounced: *rid-all, S.D.*)
Aqueous treatment solution.

Relevant identified uses of the product and uses advised against

General use: Water scale defender, water treatment.
Uses advised against: No uses advised against.

Manufacturer Information

Apex Engineering Products Corporation, established 1942
1241 Shoreline Drive
Aurora, Illinois 60504

Emergency Phone (Chemtrec): 800-424-9300 (Domestic), 703-527-3887 (International)

2. HAZARD IDENTIFICATION_____

Classification of the substance or mixture

The mixture is not classified according to the Globally Harmonized System (GHS).

GHS label elements: Not applicable.

Hazard pictograms: Not applicable.

Signal word: Not applicable.

Hazard statements: Not applicable.

Other hazards: Not applicable.

Non-hazardous product as specified in OSHA Regulation 29 CFR 1910.1200.

Non-hazardous product as specified in Directives 67/548/EEC and 1999/45/EC.

Non-hazardous product as specified in Regulation (EC) 1272/2008.

Non-hazardous product as specified in Canadian Regulation SOR/88-66.

3. COMPOSITION/INFORMATION ON INGREDIENTS_____

Substance: Not applicable.

Mixture: Chemical characterization (preparation).

None of the ingredients are hazardous within the meaning of the GHS. The majority of the mixture is deionized water (CAS Number 7732-18-5/EC Number 231-791-2).

4. FIRST AID MEASURES

Description of first aid measures

After inhalation: None required.

After skin contact: None required.

After eye contact: None required.

After swallowing: None required.

General information: No special precautionary measures are necessary.

5. FIRE-FIGHTING MEASURES

Extinguishing media

Suitable extinguishing media: Use extinguishing media suitable for the surrounding fire.

Unsuitable media: None known.

Specific hazards arising from the mixture: None known.

Advice for firefighters

Protective equipment: No special measures required.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures: None required.

Environmental precautions: No special measures required.

Methods and materials for containment and cleaning up: Absorb with liquid binding material.

7. HANDLING AND STORAGE

Precautions for safe handling: No special measures required.

Condition for safe storage: Keep container closed and protected from direct sunlight. Do not freeze. The recommended storage temperature is between 50°F and 100°F. Temperature over 195° F may result in thermal decomposition. By-products are totally benign.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters: Contains no substances with occupational exposure values.

Exposure controls

Engineering: Maintain general industrial hygiene practices.

Personal protective equipment: None required.

Respiratory equipment: None required.

Protective gloves: None required.

Eye protection: None required.

Environmental exposure controls: None required.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Transparent Liquid
Odor:	None
Odor threshold:	Not applicable
pH:	Approximately 7
Freezing/melting point:	0°C (32°F)
Initial boiling point:	100°C (212°F)
Flash point:	Not applicable
Evaporation rate:	Not determined

Flammability (solid, gas):	Not applicable
Lower explosive limit (LEL)	Not determined
Upper explosive limit (UEL)	Not determined
Vapor Pressure:	Not determined
Density at 20°C:	1g/cm ³ (8.345 lbs/gal).
Solubility in Water:	Complete
Partition coefficient (n-octano/water):	Not determined
Autoignition temperature:	Not determined
Decomposition temperature:	Not determined

10. STABILITY AND REACTIVITY

Reactivity: No special reactivity reported, hazardous polymerization will not occur.

Chemical stability: Stable under recommended storage conditions.

Possibility of hazardous reactions: None known.

Conditions to Avoid: Extreme temperatures.

Incompatible materials: The generally known reaction partners of water.

Hazardous decomposition: None known.

11. TOXICOLOGICAL INFORMATION

Information on toxicological effects

No toxicity test have been carried out for this product. Acute toxicity data was estimated based on the toxicity of the individual components contained in this product.

Acute oral toxicity: None.

Acute inhalation toxicity: None.

Acute dermal toxicity: None.

Skin irritation: No irritating effects known.

Eye irritation: No irritating effects known.

Sensitization: No sensitizing effects known.

Carcinogenic categories: None of the components of this product are listed as carcinogens by AGCIH, IARC, NTP or OSHA.

12. ECOLOGICAL INFORMATION

Aquatic toxicity: Product is not expected to be toxic to aquatic organisms.

Persistence and degradability: Product is readily biodegradable.

Bioaccumulation potential: Material will not bioaccumulate.

Mobility in soil: The components of this product are water soluble and highly mobile in soil.

Results of PBT and vPvB assessment: Not applicable.

Other adverse effects: None known.

13. DISPOSAL CONSIDERATIONS

Waste disposal: Can be safely disposed of as ordinary waste.

Contaminated packaging: Disposal should be made according to official regulations.

14. TRANSPORT INFORMATION

UN Number: DOT-Not regulated, IMDG/IATA-Not applicable.

UN proper shipping name: DOT/IATA-Not applicable, IMDG-Not regulated.

Transport hazard class(es): DOT/IMDG/IATA-Not applicable.

Packing group: DOT/IMDG/IATA-Not applicable.

Marine pollutant: No.
Special precautions: Not applicable.

15. REGULATORY INFORMATION

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

U.S. Federal Regulations

OSHA Hazard Communication Standard: This material is not classified as hazardous in accordance with OSHA 29 CFR 1910.1200.

OSHA Process Safety Management Standard: Components of this product are not regulated under OSHA PSM Standard 29 CFR 1910.119.

TSCA Status: All components of this product are listed on the Toxic Substance Control Act (TSCA) Inventory.

SARA Section 311/312 Hazard Categories: Not classified as hazardous.

SARA 313 Information: Not listed.

Comprehensive Response Compensation and Liability Act (CERCLA): Not reportable.

Clean Air Act (CAA): This product does not contain any chemicals that are listed as Hazardous Air Pollutants (HAPs) designated in CAA Section 112 (b).

Clean Water Act (CWA): None of the chemicals in this product are listed as Hazardous Substances, Priority Pollutants or Toxic Pollutants under the CWA.

U.S. State Regulations

California Prop 65, Safe Drinking Water and Toxic Enforcement Act of 1986: This product contains no chemical(s) known to the state of California to cause cancer or other reproductive harm.

Canada

WHMIS Hazard Symbol and Classification: Not applicable/Not classified as hazardous

Canadian Ingredient Disclosure List (IDL): None of the components in this product are listed on the IDL.

Canadian National Pollutant Release Inventory (NPRI): None of the components in this product are listed on the NPRI.

GHS label elements: Not applicable.

Hazard pictograms: Not applicable.

Signal word: Not applicable.

Hazard statements: Not applicable.

Other hazards: Not applicable.

Chemical safety assessment: A chemical safety assessment was not carried out.

16. OTHER INFORMATION

Date of preparation: Creation date for SDS 07/22/2025.

**FOR ADDITIONAL INFORMATION, PLEASE CONTACT OUR MANUFACTURING FACILITY
AT 630-820-8888 OR OUR WEBSITE AT www.ApexEngineeringProducts.com.**

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