

REVISED APRIL 2009

APEX ENGINEERING PRODUCTS CORPORATION

1241 Shoreline Drive

Aurora, IL 60504

Phone Number: 630-820-8888 Fax: 630-820-8886

**For Chemical Emergency
Spill Leak Fire Exposure or Accident
Call CHEMTREC Day or Night**

**DOMESTIC NORTH AMERICA 800-424-9300
INTERNATIONAL, CALL 703-527-3887 (collect calls accepted)**

MATERIAL SAFETY DATA SHEET

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION _____

Trade Name

RYDALL CC (pronounced: *rid-all, C.C.*)

Manufacturer Information

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

2. COMPOSITION, INFORMATION OR INGREDIENTS _____

Formula

Proprietary, confidentiality required

Chemical Family

Biodegradable Degreaser / Cleaner

| <u>Chemical and Common Name</u> | <u>C.A.S.</u> | <u>Percent</u> | <u>TLV (p.p.m.)</u> |
|---------------------------------|---------------|----------------|---------------------|
| Ortho-Phosphoric Acid | 7664-38-2 | 5-20 | 1 |
| Proprietary mixture | | 5-25 | |
| Water | 7732-18-5 | balance | |

RYDALL CC contains no known EPA priority pollutants, heavy metals or chemicals listed under RCRA, CERCLA, or CWA. All components of **RYDALL CC** are listed on the TSCA Chemical Substance Inventory.

3. HAZARDOUS IDENTIFICATION _____

Eye Contact: This product may cause redness or irritation to the eyes.
Skin Contact: This product may cause redness or irritation to the skin.
Inhalation: Not an expected hazard, unless misted or heated to high temperatures.
Ingestion: Large amounts may produce sore throat, abdominal pain, and nausea.
HMIS: Health: 0 Flammability: 0 Reactivity: 0

4. FIRST AID MEASURES

Eye Contact: Immediately flush eyes with water for at least 15 minutes while holding eyelids open. If irritation persists get medical attention.

Skin Contact: No adverse effects expected under typical use conditions. Prolonged exposure may cause dryness. Under this condition, use of gloves or skin moisturizer after washing may be indicated.

Inhalation: No adverse effects expected under typical use conditions. Adequate ventilation should be present when using *RYDALL CC* over a prolonged period of time. Open windows or ventilate via fan or other air-moving equipment if necessary. Remove to fresh air.

Ingestion: Do not induce vomiting. Give large quantities of water. Consult a physician.

5. FIRE-FIGHTING MEASURES

RYDALL CC is stable, non-flammable, and will not burn. No special procedures required.

Flash Point/Auto-Ignition: Not flammable

Flammability Limits: Not flammable

Extinguishing Media: Not flammable / nonexplosive

Special Fire Fighting Procedures: None required

Personal Protective Equipment: As in any fire, wear self-contained breathing apparatus (pressure-demand, MSHA/NIOSH approved or equivalent and full protective gear).

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions: Ventilate area of leak or spill. Wear appropriate personal protective equipment.

Procedures for cleanup: Contain and recover usable material by convenient method. Residual may be removed by wipes or wet mop. If necessary, unrecoverable material may be washed to drain with large quantities of water to rinse.

7. HANDLING AND STORAGE

Handling Procedures: As with all chemicals, good industrial hygiene practices should be followed when handling this material.

Storage Conditions: Keep in a tightly closed container. Preserve integrity of container. Do not freeze. The recommended storage temperature is between 30°F and 150°F.

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

Exposure Limits: The *RYDALL CC* formulation presents no health hazards to the user when used according to directions for its intended purposes. Mild skin and eye irritation is possible. No special precautionary measures required under normal use conditions.

Eye Protection: Use of safety glasses with side shields is recommended.

Skin Protection: Use of chemical resistant gloves is recommended.

Respiratory Protection: None required under normal use conditions.

Engineering Controls: Use with adequate ventilation or normal exhaust.

Other Equipment: As recommended by plant safety department. Aprons may be worn to prevent clothing from staining. Use good industrial hygiene practices.

9. PHYSICAL AND CHEMICAL PROPERTIES

| | |
|--------------------------------------|---------------------|
| Appearance: | Orange Liquid |
| Color: | Orange |
| Physical State: | Liquid |
| Odor: | Common cleaner |
| pH: | Approximately <3 |
| Viscosity: | Comparable to Water |
| Specific Gravity (Water = 1): | 1.141 |
| Vapor Density (Air = 1): | Not tested |
| Vapor Pressure: | Not tested |
| Boiling Point: | >212°F. |
| Solubility in Water: | 100% |
| Percent Volatility: | Not tested |
| Evaporation Rate (Water = 1): | >1 |

10. STABILITY AND REACTIVITY

| | |
|----------------------------------|---|
| Instability: | Stable under ordinary conditions of use and storage. |
| Conditions to Avoid: | None known. |
| Incompatibility: | None known for typical applications, avoid strong caustics. |
| Hazardous Decomposition: | None expected. |
| Hazardous Polymerization: | Will not occur. |

11. TOXICOLOGICAL INFORMATION

| | |
|-------------------------|---|
| Acute Data: | This material has not been tested for primary eye irritation potential. |
| Carcinogenicity: | None of the ingredients found in the solution are known carcinogens. |

12. ECOLOGICAL INFORMATION

| | |
|--------------------------------|-----------------------|
| Environmental Toxicity: | No data at this time. |
|--------------------------------|-----------------------|

13. DISPOSAL CONSIDERATIONS

Disposal Method: Dispose of in accordance with all applicable local, state, and federal laws. Dispose of used or unused product, and empty containers in accordance with the local, state, provincial, and federal regulations for your location. Never dispose of used degreasing rinsates into lakes, streams, and open bodies of water or storm drains.

14. TRANSPORT INFORMATION

This product is considered non-hazardous for transport according to the United States Department of Transportation Services.

| | |
|-------------------------------|----------------|
| UN Number: | Not required. |
| Dangerous Goods Class: | Non-hazardous. |

15. REGULATORY INFORMATION

Working Classification: This product is considered non-hazardous under the OSHA Hazard Communication Standard (29CFR 1910.1200-1500), including Subpart Z.

This product complies with all current Canadian Workplace Hazardous Materials Information System (WHMIS).

SARA Title III: Section 311/312/313 Categorization (40CFR 370): Considered non-reportable.

CERCLA Information (40CFR 302.4): Release of this material to air, land or water are not reportable to the National Response Center under the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA or to state and local Emergency planning committees under the Superfund Amendments and Reauthorization Act).

Waste Classification: When a decision is made to discard this material as supplied, it does not meet RCRA'S characteristics definition of ignitibility, corrosivity, or reactivity and is not listed in 40CFR 261.33.

United States: All components of this product are in compliance with the inventory listing requirements of U.S. Toxic Substance Control Act (TSCA Chemical Substance Inventory).

16. OTHER INFORMATION

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

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