# MATERIAL SAFETY DATA SHEET

## Section 1: Product & Company Identification

**Product Name:** **CRC® Diesel 1-TANK Power Renew®**

**Product Number (s):** **05832**

**Product Use:** Diesel fuel additive

**Manufacturer / Supplier Contact Information:**


In United States:
CRC Industries, Inc.
885 Louis Drive
Warminster, PA 18974
www.crcindustries.com
1-215-674-4300(General)
(800) 521-3168 (Technical)
(800) 272-4620 (Customer Service)

In Canada:
CRC Canada Co.
2-1246 Lorimar Drive
Mississauga, Ontario L5S 1R2
www.crc-canada.ca
1-905-670-2291

In Mexico:
CRC Industries Mexico
Av. Benito Juárez 4055 G
Colonia Orquídea
San Luís Potosí, SLP CP 78394
www.crc-mexico.com
52-444-824-1666


24-Hr Emergency – CHEMTREC: (800) 424-9300 or (703) 527-3887

## Section 2: Hazards Identification

**Emergency Overview**

**DANGER:** Harmful or Fatal if Swallowed.
Appearance & Odor: Dark brown liquid, mild petroleum odor

**Potential Health Effects:**

ACUTE EFFECTS:

EYE: Contact with liquid or vapor may cause mild irritation.

SKIN: May cause skin irritation and drying with prolonged or repeated contact. Harmful if absorbed through skin.

INHALATION: Excessive exposure may cause irritations to the nose, throat, lungs and respiratory tract. Central nervous system effects may include headache, dizziness, loss of balance and coordination, unconsciousness, coma, respiratory failure and death.

INGESTION: Ingestion may cause gastrointestinal disturbance, including irritation, nausea, vomiting and diarrhea. The major health threat of ingestions occurs from the danger of aspiration of liquid drops into the lungs, particularly from vomiting. Aspiration may result in chemical pneumonia, severe lung damage and even death.

CHRONIC EFFECTS: Liquid may be absorbed through the skin in toxic amounts if large areas of skin are repeatedly exposed. Repeated ingestion may cause injury to the liver and kidneys.

TARGET ORGANS: Central nervous system

Medical Conditions Aggravated by Exposure: Irritation from skin exposure may aggravate existing open wounds, skin disorders, and dermatitis.

See Section 11 for toxicology and carcinogenicity information on product ingredients.

## Section 3: Composition/Information on Ingredients

| COMPONENT | CAS NUMBER | % by Wt. |
|---|---|---|
| 2-Ethylhexyl nitrate | 27247-96-7 | 40 – 50 |
| Additive blend | proprietary | 30 – 40 |
| Petroleum naphtha | 64742-47-8 | 10 – 15 |
| Tall oil fatty acid | 61790-12-3 | 3 – 8 |

## Section 4: First Aid Measures

Eye Contact: Immediately flush with plenty of water for 15 minutes. Call a physician if irritation persists.

Skin Contact: Remove contaminated clothing and wash affected area with soap and water. Call a physician if irritation persists. Wash contaminated clothing prior to re-use.

Inhalation: Remove person to fresh air. Keep person calm. If not breathing, give artificial respiration. If breathing is difficult give oxygen. Call a physician.

Ingestion: Do NOT induce vomiting. Obtain immediate medical attention. If spontaneous vomiting occurs, lean victim forward to reduce the risk of aspiration (keep head below hips). Monitor for breathing difficulties. Mouth can be rinsed to dissipate the taste.

*Note to Physicians*: Treat symptomatically.

## Section 5: Fire-Fighting Measures

**Flammable Properties:** As defined by OSHA, this product is a Class IIIA combustible liquid.

Flash Point: 152°F / 67°C (TCC) Upper Explosive Limit: ND

Autoignition Temperature: ND Lower Explosive Limit: ND

**Fire and Explosion Data:**

Suitable Extinguishing Media: Use extinguishers rated for Class B fires, such as dry chemical, Halon, fire fighting foam or CO2.

Products of Combustion: Oxides of carbon and nitrogen, aldehydes

Explosion Hazards: Containers, when exposed to heat from fire, may build pressure and rupture.

Protection of Fire-Fighters: Firefighters should wear self-contained, NIOSH-approved breathing apparatus for protection against suffocation and possible toxic decomposition products. Proper eye and skin protection should be provided. Use water spray to keep fire-exposed containers cool and to knock down vapors which may result from product decomposition.

## Section 6: Accidental Release Measures

Personal Precautions: Use personal protection recommended in Section 8.

Environmental Precautions: Take precautions to prevent contamination of ground and surface waters. Do not flush into sewers or storm drains.

Methods for Containment & Clean-up: Dike area to contain spill. Ventilate the area with fresh air. If in confined space or limited air circulation area, clean-up workers should wear appropriate

respiratory protection. Recover or absorb spilled material using an absorbent designed for chemical spills. Place used absorbents into proper waste containers.

## Section 7: Handling and Storage

Handling Procedures: Keep away from heat, sparks and open flame. Use with adequate ventilation. Do not breathe vapors. Wash hands after use. For product use instructions, please see the product label.

Storage Procedures: Store in a cool dry area out of direct sunlight. Keep containers closed when not in use. Keep out of reach of children and pets.

Aerosol Storage Level: NA

## Section 8: Exposure Controls/Personal Protection

**Exposure Guidelines:**

| | OSHA | | ACGIH | | OTHER | | |
|---|---|---|---|---|---|---|---|
| COMPONENT | TWA | STEL | TWA | STEL | TWA | SOURCE | UNIT |
| | | | | | | | |
| 2-Ethylhexyl nitrate | NE | NE | NE | NE | NE | | |
| Additive blend | NE | NE | NE | NE | NE | | |
| Petroleum naphtha | NE | NE | NE | NE | NE | | |
| Tall oil fatty acid | NE | NE | NE | NE | NE | | |
| N.E. – Not Established (c) – ceiling (s) – skin (v) – vacated | | | | | | | |

**Controls and Protection:**

Engineering Controls: Area should have ventilation to provide fresh air. Local exhaust ventilation is generally preferred because it can control the emissions of the contaminant at the source, preventing dispersion into the general work area. Use mechanical means if necessary to maintain vapor levels below the exposure guidelines. If working in a confined space, follow applicable OSHA regulations.

Respiratory Protection: None required for normal work where adequate ventilation is provided. If engineering controls are not feasible or if exposure exceeds the applicable exposure limits, use a NIOSH-approved cartridge respirator with organic vapor cartridge. Air monitoring is needed to determine actual employee exposure levels.

Eye/face Protection: For normal conditions, wear safety glasses. Where there is reasonable probability of liquid contact, wear splash-proof goggles.

Skin Protection: Use protective gloves such as nitrile or neoprene. Also, use full protective clothing if there is prolonged or repeated contact of liquid with skin.

## Section 9: Physical and Chemical Properties

Physical State: liquid
Color: dark brown
Odor: mild petroleum
Odor Threshold: ND
Specific Gravity: 0.92
Initial Boiling Point: ND
Freezing Point: ND

Vapor Pressure: ND
Vapor Density: > 1 (air = 1)
Evaporation Rate: slow
Solubility: Insoluble in water
Coefficient of water/oil distribution: ND
pH: NA
Volatile Organic Compounds: wt %: 95.0 g/L: 874.0 lbs./gal: 7.3

## Section 10: Stability and Reactivity

Stability: Stable

Conditions to Avoid: Sources of ignition; temperature extremes

Incompatible Materials: Strong oxidizing agents

Hazardous Decomposition Products: Oxides of carbon and nitrogen, aldehydes

Possibility of Hazardous Reactions: No

## Section 11: Toxicological Information

Long-term toxicological studies have not been conducted for this product. The following information is available for components of this product.

**Acute Toxicity:**

| Component | Oral LD50 (rat) | Dermal LD50 (rabbit) | Inhalation LC50 (rat) |
|---|---|---|---|
| 2-Ethylhexyl nitrate | > 6000 mg/kg | > 4820 mg/kg | > 4.6 mg/L/4H |
| Additive blend | > 2000 mg/kg | > 2000 mg/kg | No data |
| Petroleum naphtha | > 5000 mg/kg | > 2000 mg/kg | > 5 mg/L/4H |
| Tall oil fatty acid | > 3200 mg/kg | No data | No data |

**Chronic Toxicity:**

| Component | OSHA Carcinogen | IARC Carcinogen | NTP Carcinogen | Irritant | Sensitizer |
|---|---|---|---|---|---|
| 2-Ethylhexyl nitrate | No | No | No | No | No |
| Additive blend | No | No | No | E (moderate) / S ( mild) | Unknown |
| Petroleum naphtha | No | No | No | No | Unknown |
| Tall oil fatty acid | No | No | No | No | Unknown |

E – Eye S – Skin R - Respiratory

Reproductive Toxicity: No information available
Teratogenicity: No information available
Mutagenicity: No information available
Synergistic Effects: No information available

## Section 12: Ecological Information

Ecological studies have not been conducted for this product. The following information is available for components of this product.

Ecotoxicity: 2-Ethylhexyl nitrate – 48 Hr LC50 Bluegill: 6 mg/L
Persistence / Degradability: No information available

Bioaccumulation / Accumulation: No information available
Mobility in Environment: No information available

## Section 13: Disposal Considerations

**Waste Classification:** This product is not a RCRA hazardous waste. (See 40 CFR Part 261.20 – 261.33)
Empty containers may be recycled.

All disposal activities must comply with federal, state, provincial and local regulations. Local regulations may be more stringent than state, provincial or national requirements.

## Section 14: Transport Information

US DOT (ground): Not regulated

ICAO/IATA (air): Not regulated

IMO/IMDG (water): Not regulated

Special Provisions: This product contains a marine pollutant (2-ethylhexyl nitrate).

## Section 15: Regulatory Information

**U.S. Federal Regulations:**

Toxic Substances Control Act (TSCA):
All ingredients are either listed on the TSCA inventory or are exempt.

Comprehensive Environmental Response, Compensation and Liability Act (CERCLA):
Reportable Quantities (RQ's) exist for the following ingredients: None

**Spills or releases resulting in the loss of any ingredient at or above its RQ require immediate notification to the National Response Center (800-424-8802) and to your Local Emergency Planning Committee.**

Superfund Amendments Reauthorization Act (SARA) Title III:
Section 302 Extremely Hazardous Substances (EHS): None

Section 311/312 Hazard Categories:

| | |
|---|---|
| Fire Hazard | Yes |
| Reactive Hazard | No |
| Release of Pressure | No |
| Acute Health Hazard | Yes |
| Chronic Health Hazard | No |

Section 313 Toxic Chemicals: This product contains the following substances subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372:
None

Clean Air Act:
Section 112 Hazardous Air Pollutants (HAPs): None

Occupational Safety and Health Administration:
This product is regulated by the Hazard Communication Standard.

**U.S. State Regulations:**

California Safe Drinking Water and Toxic Enforcement Act (Prop 65):
This product may contain the following chemicals known to the state of California to cause cancer, birth defects or other reproductive harm: Ethylbenzene (< 1 ppm), Toluene (< 1 ppm), Naphthalene (< 1 ppm)

Consumer Products VOC Regulations: This product is not regulated.

State Right to Know:
New Jersey: 800967-5765P, 800967-6653P, 800967-7257P
Pennsylvania: 104-76-7
Massachusetts: None
Rhode Island : None

**Canadian Regulations:**

Controlled Products Regulations:
This product has been classified in accordance with the hazard criteria of the Controlled Product Regulation and the MSDS contains all the information required by the Controlled Products Regulations.

WHMIS Hazard Class: B3, D2B

Canadian DSL Inventory: All ingredients are either listed on the DSL Inventory or are exempt.

**European Union Regulations:**

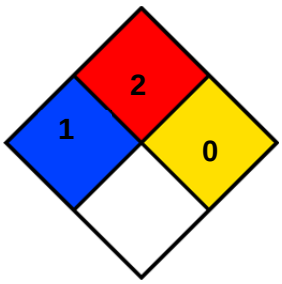
RoHS Compliance: This product is compliant with Directive 2002/95/EC of the European Parliament and of the Council of 27 January 2003. This product does not contain any of the restricted substances as listed in Article 4(1) of the RoHS Directive.

**Additional Regulatory Information**: None

## Section 16: Other Information

| HMIS® (II) | |
|---|---|
| Health: | 1 |
| Flammability: | 2 |
| Reactivity: | 0 |
| PPE: | B |

NFPA




Ratings range from 0 (no hazard) to 4 (severe hazard)

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Changes since last revision: update trademark ®

The information contained in this document applies to this specific material as supplied. It may not be valid for this material if it is used in combination with any other materials. This information is accurate to the best of CRC Industries' knowledge or obtained from sources believed by CRC to be accurate. Before using any product, read all warnings and

directions on the label. For further clarification of any information contained on this MSDS consult your supervisor, a health & safety professional, or CRC Industries.

| | |
|---|---|
| ACGIH: | American Conference of Governmental Industrial Hygienists |
| CAS: | Chemical Abstract Service |
| CFR: | Code of Federal Regulations |
| DOT: | Department of Transportation |
| DSL: | Domestic Substance List |
| g/L: | grams per Liter |
| HMIS: | Hazardous Materials Identification System |
| IARC: | International Agency for Research on Cancer |
| IATA: | International Air Transport Association |
| ICAO: | International Civil Aviation Organization |
| IMDG: | International Maritime Dangerous Goods |
| IMO: | International Maritime Organization |
| lbs./gal: | pounds per gallon |
| LC: | Lethal Concentration |
| LD: | Lethal Dose |
| NA: | Not Applicable |
| ND: | Not Determined |
| NIOSH: | National Institute of Occupational Safety & Health |
| NFPA: | National Fire Protection Association |
| NTP: | National Toxicology Program |
| OSHA: | Occupational Safety and Health Administration |
| PMCC: | Pensky-Martens Closed Cup |
| PPE: | Personal Protection Equipment |
| ppm: | Parts per Million |
| RoHS: | Restriction of Hazardous Substances |
| STEL: | Short Term Exposure Limit |
| TCC: | Tag Closed Cup |
| TWA: | Time Weighted Average |
| WHMIS: | Workplace Hazardous Materials Information System |