1. Identification

Product identifier: Heavy Duty Degreaser
Product code 03095
Recommended use General purpose degreaser
Restrictions None known.
Manufactured or sold by:
CRC Industries, Inc., 885 Louis Drive, Warminster, PA 18974
Phone: 215-674-4300
Emergency phone number CHEMTREC - 24 HOURS: 800-424-9300

2. Hazard(s) identification

Physical hazards Gases under pressure (Compressed gas)
Health hazards Skin corrosion/irritation (Category 2)
Serious eye damage/eye irritation (Category 2B)
Skin sensitization (Category 1B)
Carcinogenicity (Category 1B)
Specific target organ toxicity, single exposure (Category 3 narcotic effects)
Label elements (see front side of label)

3. Composition/information on ingredients

Hazardous components

Chemical name	CAS number	%
tetrachloroethylene	127-18-4	80 – 90
COzol® 210	Proprietary	5 – 10
carbon dioxide	124-38-9	1 – 3

(Specific chemical identity and/or percentage of composition has been withheld as a trade secret.)

4. First-aid measures

Inhalation Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell.
Skin contact Remove contaminated clothing immediately and wash skin with soap and water. In case of eczema or other skin disorders: Seek medical attention. Wash contaminated clothing before reuse.
Eye contact Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses. Continue rinsing. Get medical attention if irritation develops and persists.
Ingestion Rinse mouth. If ingestion of a large amount does occur, call a poison control center immediately. Do not induce vomiting.
Most important symptoms/effects Irritant effects. Narcotic effects. May cause an allergic skin reaction.
Special treatment needed Treat symptomatically. The effects might be delayed.

5. Fire-fighting measures

Suitable extinguishing media Water spray. Water fog. Foam. Dry chemical powder. Carbon dioxide (CO2).
Unsuitable extinguishing media None known.
Specific hazards Contents under pressure. When exposed to extreme heat or hot surfaces, vapors may decompose to harmful or fatal corrosive gases.
Special protective equipment and precautions for firefighters Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

6. Accidental release measures

Personal precautions Do not touch damaged containers or spilled material unless wearing appropriate protective equipment. Avoid breathing mist or vapor. Ensure adequate ventilation.
Containment and cleaning up Eliminate all ignition sources. Keep combustibles away from spilled material. Wipe up with absorbent material. Clean surface thoroughly to remove residual contamination. Do not contaminate water. Avoid discharge into drains, water courses or onto the ground. Avoid release to the environment.

7. Handling and storage

Handling Pressurized container: Do not pierce or burn, even after use. Do not cut, weld, solder, drill, grind, or expose containers to heat, flame, sparks, or other sources of ignition. Avoid breathing mist or vapor. Avoid contact with eyes, skin, and clothing. Avoid prolonged exposure.
Storage Do not expose to heat or store at temperatures above 120°F/49°C as can may burst. Store in a well-ventilated place away from incompatible materials.

8. Exposure controls/personal protection

Occupational exposure limits

Components	Type	Value
carbon dioxide	TWA	5000 ppm
trans-1,2-dichloroethylene	TWA	200 ppm
tetrachloroethylene	TWA	25 ppm

Appropriate engineering controls Mechanical ventilation or local exhaust ventilation is recommended.
Individual protection measures:
Eye/face protection Wear safety glasses with side shields (or goggles).
Skin protection Wear protective gloves such as PVA or Viton®.
Respiratory protection If needed, use a NIOSH-approved cartridge respirator with an organic vapor cartridge. Wear positive pressure self-contained breathing apparatus (SCBA) in case of emergency.

9. Physical and chemical properties

Appearance Colorless liquid.
Odor Solvent.
Odor threshold Not available.
pH Not available.
Melting point/freezing point -119 °F (-84 °C)
Initial boiling point 120 °F (49 °C)
Flash point None (Tag Closed Cup)
Evaporation rate Fast
Explosive limit - lower (%) 6.7
Explosive limit - upper (%) 18
Vapor pressure 1444 hPa
Vapor density > 4 (Air = 1)
Relative density 1.58
Solubility(ies) Slight in water.
Partition coefficient (n-octanol/water) Not available.
Auto-ignition temperature 860 °F (460 °C)
Decomposition temperature Not available.
Viscosity Not available.
VOC (Weight %): 7.8% (1.03 lbs/gal, 123.8 g/l)

10. Stability and reactivity

Reactivity Non-reactive
Chemical stability Stable
Possibility of hazardous reactions No
Conditions to avoid Heat, flames and sparks. Sunlight. Extreme temperatures.
Incompatible materials Strong oxidizing agents.
Hazardous decomposition products Hydrogen chloride. Hydrogen fluoride. Phosgene. Carbon oxides.

11. Toxicological information

Information on likely routes of exposure:
Ingestion Swallowing large amounts may cause injury if aspirated into the lungs.
Inhalation Vapors may cause drowsiness and dizziness.
Skin contact Causes skin irritation. May cause an allergic skin reaction.
Eye contact Causes eye irritation.
Symptoms related to the physical, chemical and toxicological characteristics Skin and eye irritants. May cause an allergic skin reaction. May cause drowsiness and dizziness.
Information on toxicological effects:
Acute toxicity Narcotic effects. May cause an allergic skin reaction.
Respiratory sensitization Not a respiratory sensitizer.
Skin sensitization May cause an allergic skin reaction.
Carcinogenicity May cause cancer.
tetrachloroethylene IARC 2A (Probably carcinogenic to humans)
tetrachloroethylene NTP (Reasonably Anticipated to be a Human Carcinogen)
Reproductive toxicity Not expected to cause reproductive or developmental effects.
Aspiration hazard Based on available data, the classification criteria are not met.
Chronic effects Prolonged inhalation may be harmful. Prolonged exposure may cause chronic effects.

12. Ecological information

See full SDS for additional information

13. Disposal considerations

Disposal instructions This material and its container must be disposed of as hazardous waste.
Hazardous waste code D039, F001, F002

14. Transport information

DOT shipping description: UN1950, Aerosols, poison, 2.2 (6.1), limited quantity

15. Regulatory information

SARA 313 tetrachloroethylene
See full SDS for additional information

16. Other information

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