

# CRC T-Force® Degreaser MUO Non Flammable

**DIRECTIONS: Read entire label before using this product.** 1. For personal safety, do not apply while equipment is energized. 2. Remove mechanical plates, covers, etc. to expose equipment interior. For best results, remove heavy deposits of contaminants by scraping with a knife or wire brush. 3. Spray until clean. Use extension tube for hard to reach areas. 4. Allow equipment to fully dry and vent before using. 5. Drying time can be accelerated by using a dry, absorbent cloth or CRC Duster™. 6. Do not use on modern plastics. If uncertain, check with the manufacturer or test on a small area before using. 7. Not for use on sensitive electronics or computers. Use a CRC precision cleaner.

**INSTRUCCIONES: Lea toda la etiqueta antes de usar este producto.** 1. Por razones de seguridad personal, no aplique el producto mientras el equipo esté conectado. 2. Quite las placas metálicas, las cubiertas, etc. para exponer el interior del equipo. Para obtener mejores resultados, quite los depósitos difíciles de contaminantes raspando con un cuchillo o un cepillo de alambre. 3. Rocíe hasta que quede limpio. Utilice el tubo de extensión para alcanzar las áreas difíciles. 4. Deje secar y ventilar el equipo por completo antes de ser utilizado. 5. Se puede acelerar el tiempo de secado utilizando un paño seco y absorbente o el aerosol antihumedad Duster™ de CRC. 6. No utilice sobre plásticos modernos. Si no está seguro, consulte con el fabricante o realice una prueba sobre una superficie pequeña antes de utilizar el producto. 7. No apto para utilizar en productos electrónicos delicados o computadoras. Utilice un limpiador de precisión CRC.

**Danger:** Contains gas under pressure; may explode if heated. Harmful if swallowed. May be fatal if swallowed and enters airways. Causes skin irritation. Causes serious eye irritation. May cause drowsiness or dizziness.

**Precautionary Statements:** Do not puncture or incinerate container. Do not expose to heat or store at temperatures above 49°C/120°F. When exposed to extreme heat or hot surfaces, vapors may decompose to harmful or fatal corrosive gases such as hydrogen fluoride, hydrogen chloride, and possibly phosgene. Use with adequate ventilation. Open doors and windows or use other means to ensure a fresh air supply during use and while product is drying. If you experience any symptoms listed on this label, increase ventilation or leave the area. Do not eat, drink, or smoke when using this product. Avoid breathing mist or vapor. Wear eye protection/face protection. Wear protective gloves. Wash thoroughly after handling. Store locked up. Protect from sunlight. Store in a well-ventilated place. Exposure to high temperature may cause can to burst. Dispose of contents/container in accordance with local/regional/national regulations.

**First Aid:** If swallowed: Immediately call a poison center/doctor. Do NOT induce vomiting. Rinse mouth. If on skin: Wash with plenty of water. If skin irritation occurs: Get medical advice/attention. Take off contaminated clothing and wash before reuse. If inhaled: Remove person to fresh air and keep comfortable for breathing. Call a poison center/doctor if you feel unwell. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

Contains trans-1,2-dichloroethylene 156-60-5, decafluoropentane 138495-42-8, and carbon dioxide 124-38-9. Deliberate misuse by concentrating and inhaling the contents is illegal and can be harmful or fatal. Inhalation abuse can cause death. For additional information, consult SDS for this product.

**Electrical Shock Hazard:** This metal can will conduct electricity. Do not touch can to live electrical sources, as this may result in serious injury.

**Peligro:** Contiene gas a presión; puede explotar si se calienta. Nocivo en caso de ingestión. Puede ser mortal en caso de ingestión y de penetración en las vías respiratorias. Provoca irritación cutánea. Provoca irritación ocular grave. Puede provocar somnolencia o vértigo.

**Consejos de Prudencia:** No perforo ni incinere el envase. No exponer al calor ni almacenar a temperaturas superiores a 49°C/120°F. Al exponerlo al calor extremo, los vapores pueden descomponerse en gases corrosivos y tóxicos como el fluoruro de hidrógeno, el cloruro de hidrógeno y, posiblemente, el fosgeno. Usar con ventilación adecuada. Abra las puertas y ventanas y utilice otros medios para asegurar la provisión de aire fresco al utilizar el producto y mientras se esté secando. Si presenta algunos de los síntomas enumerados en esta etiqueta, aumente la ventilación o deje el área. No comer, beber o fumar mientras se manipula este producto. Evitar respirar nieblas o vapores. Usar equipo de protección para los ojos/la cara. Usar guantes de protección. Lávese cuidadosamente después de la manipulación. Guardar bajo llave. Proteger de la luz solar. Almacenar en un lugar bien ventilado. La exposición a altas temperaturas puede provocar que la lata estalle. Eliminación de contenidos / contenedor en consonancia con los reglamentos locales / regionales / nacionales pertinentes.

**Primeros Auxilios:** En caso de ingestión: Llamar inmediatamente a un centro de toxicología o a un médico. NO provocar el vómito. Enjuagarse la boca. En caso de contacto con la piel: Lavar con abundante agua. En caso de irritación cutánea: Consultar a un médico. Quitar la ropa contaminada y lavarla antes de volverla a usar. En caso de inhalación: Transportar la persona al aire libre y mantenerla en una posición que le facilite la respiración. Llamar a un CENTRO DE TOXICOLOGIA o a un médico si la persona se encuentra mal. En caso de contacto con los ojos: Enjuagar con agua cuidadosamente durante varios minutos. Quitar las lentes de contacto cuando estén presentes y pueda hacerse con facilidad. Proseguir con el lavado. Si la irritación ocular persiste, consultar a un médico.

Su mal uso deliberado, concentrando e inhalando su contenido es ilegal y puede ser perjudicial o fatal. La inhalación abusiva puede causar la muerte. Para mayor información, consulte la Hoja de Datos de Seguridad para este producto.

**Peligro de Descarga Eléctrica:** Esta lata de metal puede conducir la electricidad. No toque la lata con fuentes eléctricas vivas, ya que esto puede resultar en lesiones graves.

**NOT FOR RETAIL SALE. FOR USE IN THE MANUFACTURING PROCESS ONLY.**

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800-521-3168 (Technical Information) • 800-272-4620 (Customer Care) www.crcindustries.com



# T-Force® Degreaser MUO Non Flammable Desengrasante MUO no inflamable

Evaporates Rapidly

Removes Grease and Oil

Se Evapora Rápidamente

Elimina la Grasa y el Aceite



No. 03916

Net Wt. / Peso Neto  
1 lb 2 oz (510 g)

To review S.D.S.: Tear (DO NOT CUT) label along these perforations and fold back label. After viewing, reattach label. Do not completely remove label until can is empty. Para revisar la Hoja de Datos de Seguridad (HDS): Rasgue (NO CORTE) la etiqueta siguiendo estas perforaciones y dobléela hacia atrás. Al terminar, vuelva a pegar la etiqueta. No la retire completamente hasta que la lata esté vacía.

## 1. Identification

**Product identifier:** T-Force® Degreaser MUO Non Flammable

**Product code** 03916

**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** Acute toxicity, oral (Category 4)

Skin corrosion/irritation (Category 2)

Serious eye damage/eye irritation (Category 2)

Specific target organ toxicity, single exposure (Category 3 narcotic effects)

Aspiration hazard (Category 1)

**Label elements (see front side of label)**

## 3. Composition/information on ingredients

**Hazardous components**

Chemical name	CAS number	%
trans-1,2-dichloroethylene	156-60-5	70 – 80
decafluoropentane	138495-42-8	20 – 30
carbon dioxide	124-38-9	3 – 5

(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** Rinse skin with water/shower. If skin irritation occurs: Get medical advice/attention.

**Eye contact** Immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention if irritation develops and persists.

**Ingestion** Call a physician or poison control center immediately. Rinse mouth. Do not induce vomiting.

If vomiting occurs, keep head low so that stomach content doesn't get into the lungs.

**Most important symptoms/effects** Aspiration hazard. Narcotic effects. Severe eye irritation.

Skin irritation.

**Special treatment needed** Provide general supportive measures and treat symptomatically.

Keep victim under observation. Symptoms may be delayed.

## 5. Fire-fighting measures

**Suitable extinguishing media** Foam. Dry chemical powder. Carbon dioxide (CO<sub>2</sub>).

**Unsuitable extinguishing media** Do not use water jet as an extinguisher, as this will spread the fire.

**Specific hazards** Contents under pressure. When exposed to extreme heat or hot surfaces, vapors may decompose to harmful or fatal corrosive gases such as hydrogen fluoride, hydrogen chloride and possibly phosgene.

**Special protective equipment and precautions for firefighters** Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA.

## 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. Prevent entry into waterways, sewer, basements or confined areas. Avoid release to the environment.

## 7. Handling and storage

**Handling** Pressurized container: Do not pierce or burn, even after use. Do not use if spray button is missing or defective. Do not smoke while using this product. Avoid breathing mist or vapor. Avoid contact with eyes, skin, and clothing. Avoid prolonged exposure. Use only in well-ventilated areas.

Wear appropriate personal protective equipment. Wash hands thoroughly after handling.

**Storage** Store in a cool, dry place (below 120°F/49°C) and out of direct sunlight. Do not handle or store near an open flame, heat or other sources of ignition. 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

**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 nitrile, viton/butyl, and PVA. Wear appropriate clothing to prevent skin contact.

**Respiratory protection** If needed, use a NIOSH-approved cartridge respirator with an organic vapor cartridge. Use a self-contained breathing apparatus in confined spaces and for emergencies.

## 9. Physical and chemical properties

**Appearance** Colorless liquid.

**Odor** Slight ethereal.

**Odor threshold** Not available.

**pH** Not available.

**Melting point/freezing point** -119 °F (-84 °C)

**Initial boiling point** 120 °F (49 °C)

**Flash point** 64 °F (18 °C)

**Evaporation rate** Fast.

**Explosive limit - lower (%)** 6.7

**Explosive limit - upper (%)** 18

**Vapor pressure** 2667 hPa

**Vapor density** Not available.

**Relative density** 1.31

**Solubility(ies)** Not available.

**Partition coefficient (n-octanol/water)** Not available.

**Auto-ignition temperature** 860 °F (460 °C)

**Decomposition temperature** Not available.

**Viscosity** Not available.

**VOC (Weight %):** 96% (10.5 lbs/gal, 1258 g/l) CARB

72% (7.9 lbs/gal, 943 g/l) OTC

## 10. Stability and reactivity

**Reactivity** Non-reactive

**Chemical stability** Stable

**Possibility of hazardous reactions** No

**Conditions to avoid** Heat, flames and sparks. Incompatible materials.

**Incompatible materials** Strong oxidizing agents. Strong acids and bases. Alkali and alkaline earth metals. Powdered metal.

**Hazardous decomposition products** Carbon oxides. Hydrogen chloride. Phosgene. Hydrogen fluoride.

## 11. Toxicological information

**Information on likely routes of exposure:**

**Ingestion** May be fatal if swallowed and enters airways. Harmful if swallowed.

**Inhalation** Vapors a narcotic effect and may cause headache, fatigue, dizziness and nausea.

**Skin contact** Causes skin irritation.

**Eye contact** Causes serious eye irritation.

**Symptoms related to the physical, chemical, and toxicological characteristics** Severe eye irritation.

Skin irritation. Narcotic effects.

**Information on toxicological effects:**

**Acute toxicity** May be fatal if swallowed and enters airways. Narcotic effects.

**Respiratory sensitization** Not a respiratory sensitizer.

**Skin sensitization** Not expected to cause skin sensitization.

**Carcinogenicity** Not considered to be a carcinogen by IARC, ACGIH, NTP or OSHA.

**Reproductive toxicity** Not expected to cause reproductive or developmental effects.

**Aspiration hazard** May be fatal if swallowed and enters airways.

**Chronic effects** Prolonged inhalation may be harmful.

## 12. Ecological information

See full SDS for additional information

## 13. Disposal considerations

**Disposal instructions** This material must be disposed of as hazardous waste.

**Hazardous waste code** D001: Waste Flammable liquid

## 14. Transport information

**DOT shipping description:** UN1950, Aerosols, non-flammable, 2.2, limited quantity

## 15. Regulatory information

See full SDS for additional information

## 16. Other information

**Issue date** 4/6/2017

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