

# CRC Super Degreaser™ MUO

**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. Do not use on modern plastics such as LEXAN®, ABS and Noryl®. If uncertain, check with the manufacturer or test on a small area before using. 6. Not for use on sensitive electronics. 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. No utilice sobre plásticos modernos tales como LEXAN®, ABS y Noryl®. Si no está seguro, consulte con el fabricante o realice una prueba sobre una superficie pequeña antes de utilizar el producto. 6. No apto para utilizar en productos electrónicos delicados. Utilice un limpiador de precisión CRC.

**Danger:** Contains gas under pressure; may explode if heated. Causes skin irritation. Causes serious eye irritation. May cause respiratory irritation. May cause drowsiness or dizziness. May cause cancer. May damage fertility or the unborn child. May cause damage to organs (liver, kidneys, nervous system) through prolonged or repeated exposure.



**Precautionary Statements:** Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. 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 bromide. 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 breathe mist or vapor. Wash thoroughly after handling. Wear protective gloves/protective clothing/eye protection/face protection. 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 on skin: Wash with plenty of water. If skin irritation occurs: Get medical 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 attention. If exposed or concerned: Get medical attention.

Contains n-Propyl bromide (106-94-5). Carbon dioxide (124-38-9). Butylene oxide (106-88-7) and t-Butanol (75-65-0). This product contains chemicals known to the State of California to cause birth defects or other reproductive harm. 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 can will conduct electricity. Do not touch can to live electrical sources including battery terminals, solenoids, electrical panels and other electronic components. Failure to observe this warning may result in serious injury from electrical shock.

**Peligro:** Contiene gas a presión; puede explotar si se calienta. Provoca irritación cutánea. Provoca irritación ocular grave. Puede irritar las vías respiratorias. Puede provocar somnolencia o vértigo. Puede provocar cáncer. Puede perjudicar la fertilidad o dañar al feto. Puede provocar daños en los órganos (hígado, riñones, sistema nervioso) tras exposiciones prolongadas o repetidas. Nocivo para los organismos acuáticos. Nocivo para los organismos acuáticos, con efectos nocivos duraderos.

**Consejos de Prudencia:** Recabar instrucciones especiales antes de su uso. No manipular antes de haber leído y comprendido todas las precauciones de seguridad. 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 bromuro de hidrógeno. 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 respire neblina o vapor. Lávese cuidadosamente después de la manipulación. Usar guantes/indumentaria protectora/equipo de protección para los ojos/la cara. No dispersar en el medio ambiente. 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 contacto con la piel: Lavar con abundante agua. Si ocurre irritación de la piel: Busque atención médica. Quitar la ropa contaminada y lavarla antes de volver a usarla. 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 TOXICOLOGÍA 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 persiste la irritación de los ojos: Busque atención médica. En caso de exposición demostrada o sospecha: Busque atención médica.

Este producto contiene un componente químico que en el Estado de California se conoce como una causa de defectos de nacimiento u otros daños reproductivos. 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:** Este recipiente es conductor de electricidad. Mantenga la lata alejada de toda fuente eléctrica viva, incluyendo terminales de batería, solenoides, paneles eléctricos y otros componentes electrónicos. El no respetar estas advertencias puede causar heridas graves por descargas eléctricas.

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

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800-321-3168 (Technical Information) • 800-272-4620 (Customer Care) • 215-442-6260 (SDS) www.crcindustries.com



# Super Degreaser™ MUO

Non-Chlorinated

No Flash or Fire Point

Removes Grease and Oil

No Clorado

No posee punto de inflamación ni de incendio

Elimina la Grasa y el Aceite



Nonfood Compounds  
Program Listed  
Category Code: K1  
Reg.# 141231



**DANGER:** VAPOR HARMFUL. CAUSES SKIN AND EYE IRRITATION. MAY CAUSE RESPIRATORY IRRITATION. CONTENTS UNDER PRESSURE. KEEP AWAY FROM CHILDREN. Read warnings on back panel.

**PELIGRO:** VAPOR DAÑINO. PROVOCA IRRITACIÓN CUTÁNEA Y OCULAR. PUEDE IRRITAR LAS VÍAS RESPIRATORIAS. CONTENIDO BAJO PRESIÓN. MANTENGA FUERA DEL ALCANCE DE LOS NIÑOS. Lea las advertencias en el dorso.



No. 03910

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:** Super Degreaser™ MUO

**Product code** 03910

**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 2)

Carcinogenicity (Category 1B)

Reproductive toxicity (Category 1B)

Specific target organ toxicity, single exposure

(Category 3 respiratory tract irritation, narcotic effects)

Specific target organ toxicity, repeated exposure (Category 2)

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

## 3. Composition/information on ingredients

**Hazardous components**

Chemical name	CAS number	%
n-Propyl bromide	106-94-5	90 – 100
Carbon dioxide	124-38-9	3 – 5
Butylene oxide	106-88-7	1 – 3
t-Butanol	75-65-0	1 – 3

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

## 4. First-aid measures

**Inhalation** Move person to fresh air and keep at rest. Call a physician if you feel unwell.

**Skin contact** Remove contaminated clothing and wash skin with soap and water.

If skin irritation occurs: Get medical advice/attention. Wash contaminated clothing before reuse.

**Eye contact** Immediately flush eyes with plenty of water for at least 15 minutes.

Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation develops and persists.

**Ingestion** Rinse mouth. Call a POISON CENTER or doctor/physician.

**Most important symptoms/effects** Narcotic effects. May cause respiratory irritation.

Skin and eye irritant.

**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** Alcohol resistant foam. Water fog. 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** When exposed to extreme heat or hot surfaces, vapors may decompose to harmful or fatal corrosive gases such as hydrogen bromide.

**Special protective equipment and precautions for firefighters** Self-contained breathing apparatus and full protective clothing must be worn in case of fire. Move containers from fire area if you can do it without risk.

## 6. Accidental release measures

**Personal precautions** Do not touch damaged containers or spilled material unless wearing appropriate protective equipment. Ensure adequate ventilation. Many gases are heavier than air and will spread along ground and collect in low or confined areas (sewers, basements, tanks). Do not breathe mist or vapor.

**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.

## 7. Handling and storage

**Handling** Do not breathe the mist or vapor. Avoid contact with eyes, skin, and clothing. Avoid prolonged exposure. Pregnant or breastfeeding women must not handle this product. Use only in well-ventilated areas. Wear appropriate personal protective equipment. Avoid release to the environment.

**Storage** Contents under pressure. Store in a cool, dry place (below 120°F/49°C) and out of direct sunlight. Store in a well-ventilated place. Store away from incompatible materials.

## 8. Exposure controls/personal protection

**Occupational exposure limits**

Components	Type	Value	Components	Type	Value
Carbon dioxide	TWA	5000 ppm	n-Propyl bromide	TWA	0.1 ppm
t-Butanol	TWA	100 ppm	Butylene oxide	TWA	2 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 Viton®, Silver Shield®.

**Respiratory protection** Use a NIOSH-approved cartridge respirator with an organic vapor cartridge unless exposure is below the TLV. Use a self-contained breathing apparatus in confined spaces and for emergencies.

## 9. Physical and chemical properties

**Appearance** Colorless liquid.

**Odor threshold** Not available.

**Melting point/freezing point** -267 °F (-166 °C)

**Flash point** None (Tag Closed Cup)

**Explosive limit - lower (%)** 3.8

**Vapor pressure** 2366 hPa

**Relative density** 1.33

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

**Auto-ignition temperature** 914 °F (490 °C)

**VOC (Weight %):** 96.1 (10.6 lbs/gal, 1276 g/l)

**Odor** Solvent.

**pH** Not available.

**Initial boiling point** 158 °F (70 °C)

**Evaporation rate** Fast

**Explosive limit - upper (%)** 8

**Vapor density** 4.3 (Air = 1)

**Solubility(ies)** 0.003 g/mL

**Viscosity** Not available.

**Decomposition temperature** Not available.

## 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.

**Incompatible materials** Strong oxidizing agents. Strong acids. Strong bases.

**Hazardous decomposition products** Hydrogen bromide. Carbon oxides.

## 11. Toxicological information

**Information on likely routes of exposure:**

**Ingestion** Health injuries are not known or expected under normal use.

**Inhalation** May cause drowsiness, dizziness, headache, nausea, vomiting and irritation to the respiratory system. May cause damage to organs through prolonged or repeated exposure by inhalation.

**Skin contact** Causes skin irritation.

**Eye contact** Causes serious eye irritation.

**Symptoms related to the physical, chemical and toxicological characteristics** May cause drowsiness, dizziness, headache, nausea, vomiting and irritation to the respiratory system. Causes skin and eye irritation.

**Information on toxicological effects:**

**Acute toxicity** Narcotic effects. May cause respiratory irritation.

**Respiratory sensitization** Not available.

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

**Carcinogenicity** May cause cancer.

Butylene oxide IARC 2B (Possibly carcinogenic to humans)

n-Propyl bromide NTP (Reasonably anticipated to be a human carcinogen)

**Reproductive toxicity** May damage fertility or the unborn child.

**Aspiration hazard** None known.

**Chronic effects** Prolonged inhalation may be harmful. Prolonged exposure may cause chronic effects. May cause damage to organs through prolonged or repeated exposure.

## 12. Ecological information

See full SDS for additional information

## 13. Disposal considerations

**Disposal instructions** This product is not a RCRA hazardous waste. Empty containers may be recycled.

**Hazardous waste code** Not regulated

## 14. Transport information

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

## 15. Regulatory information

SARA 313 Butylene oxide, t-Butanol

See full SDS for additional information

## 16. Other information

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