

DIRECTIONS: Read entire label before using this product. 1. For personal safety, do not apply while equipment is energized. 2. May be harmful to some plastics. Test on small area before using. Do not use on sensitive electronic equipment. Use a CRC Precision Cleaner. 3. Shut-off or disconnect power supply and be sure all stored energy has been drained from the system. 4. For heavily soiled or corroded surfaces, brush with a mild abrasive before using product. 5. Spray until clean and allow cleaner to run off surface. Use an intermittent spray pattern to dislodge trapped contaminants. 6. Air dry or wipe with a dry, absorbent cloth. 7. Allow electrical equipment to dry thoroughly and vent before reenergizing system.

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. Puede dañar algunos plásticos. Haga una prueba en una zona pequeña antes de usarlo. No lo utilice en equipos electrónicos delicados. Utilice un limpiador de precisión de CRC. 3. Corte o desconecte el suministro de energía y asegúrese de haber eliminado del sistema toda la energía almacenada. 4. Para superficies extremadamente sucias o corroídas, cepille con un producto abrasivo suave antes de usar CHLOR-FREE. 5. Rocíe hasta que quede limpio y deje que el limpiador desaparezca de la superficie. Utilice un patrón de rociado intermitente para desprender los contaminantes que hayan quedado atrapados. 6. Seque al aire o con un trapo seco y absorbente. 7. Deje que el equipo eléctrico seque completamente y ventile antes de conectar nuevamente el sistema.

Danger: Extremely flammable aerosol. Contains gas under pressure; may explode if heated. Harmful if swallowed. May be fatal if swallowed and enters airways. Causes skin irritation. May cause drowsiness or dizziness. Suspected of damaging fertility. Causes damage to organs (eyes, central nervous system).



Precautionary Statements: Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Do not spray on an open flame or other ignition source. Do not apply while equipment is energized. Pressurized container: Do not pierce or burn, even after use. Extinguish all flames, pilot lights and heaters. Vapors will accumulate readily and may ignite. Use only with adequate ventilation; maintain ventilation during use and until all vapors are gone. 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 gas, mist or vapor. Wash thoroughly after handling. Do not eat, drink or smoke when using this product. Wear protective gloves/protective clothing/eye protection/face protection. Store in a well-ventilated place. Store locked up. Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F. 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. Rinse mouth. Do NOT induce vomiting. 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. If exposed or concerned: Get medical attention.

Contains Cyclohexane (110-82-7), Ethanol (64-17-5), Hydro-treated light naphtha (64742-49-0), 2-Methylpentane (107-83-5), Carbon dioxide (124-38-9), Methanol (67-56-1), Isopropyl alcohol (67-63-0), n-Hexane (110-54-3) and Methyl isobutyl ketone (108-10-1). 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. Keep away from all live electrical sources. Failure to observe this warning may result in serious injury and/or flash fire.

Peligro: Aerosol extremadamente inflamable. 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. Puede provocar somnolencia o vértigo. Susceptible de perjudicar la fertilidad. Provoca daños en los órganos (ojos, sistema nervioso central).

Consejos de Precaución: Recabar instrucciones especiales antes de su uso. No manipular antes de haber leído y comprendido todas las precauciones de seguridad. Mantener lejos de alor/chispas/lamas al descubierto/superficies calientes. - No fumar. No rocíe sobre una llama abierta u otra fuente de ignición. No aplique el producto sobre un equipo conectado. Recipiente presurizado: No perforar ni quemar, aun después del uso. Apague todas las llamas, pilotos y calefactores. El vapor se acumulará rápidamente y puede inflamarse. Utilice solo con ventilación adecuada; mantenga la ventilación durante la utilización del producto hasta que el vapor haya desaparecido. 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 gases. No respire neblina o vapor. Lávese cuidadosamente después de la manipulación. No comer, beber o fumar al manipular el producto. Usar cuantes /indumentaria protectora/equipo de protección para los ojos/la cara. Almacenar en lugar bien ventilado. Guardar bajo llave. Proteger de la luz solar. No exponer a temperaturas superiores a 50 °C/122 °F. 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. Enjuáguese la boca. No provoque vómitos. 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. En caso de exposición demostrada o supuesta: Busque atención médica.

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. Manténgala alejada de todas las fuentes eléctricas vivas. El incumplimiento de esta advertencia puede resultar lesiones graves y/o incendio repentino.

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

©2016 CRC Industries, Inc., 885 Louis Dr., Warminster, PA 18974 Made in U.S.A. 16A CRC# 4634/C
800-521-3168 (Technical Information) • 800-272-4620 (Customer Care) • 215-442-6260 (SDS) www.crcindustries.com



WARNING: This product can expose you to chemicals including methyl isobutyl ketone which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

ADVERTENCIA: Este producto puede exponerte a químicos incluyendo metil isobutil cetona que es conocido por el Estado de California para causar cáncer y defectos de nacimiento u otros daños reproductivos. Para obtener más información, vaya a www.P65Warnings.ca.gov.



Chlor-Free[®] Degreaser MUO

Desengrasante MUO

Non-Chlorinated

Fast Evaporation

Leaves No Residue

Removes Grease and Oil

No Clorado

Rápida Evaporación

No Deja Residuos

Elimina la Grasa y el Aceite



Nonfood Contact
Program Listed: K1
Reg.# 141263



No. 03985

Net Wt. / Peso Neto
14 oz (396 g)

Industrial Use Only
Not Labeled for Household Use

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 obliela hacia atrás. Al terminar, vuelva a pegar la etiqueta. No la retire completamente hasta que la lata esté vacía.

1. Identification

Product identifier: Chlor-Free® Degreaser MUO

Product code 03985

Recommended use General purpose degreaser for manufacturing use only

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	Flammable aerosols (Category 1) Gases under pressure (Compressed gas)
Health hazards	Acute toxicity, oral (Category 4) Skin corrosion/irritation (Category 2) Carcinogenicity (Category 2) Reproductive toxicity (Category 2 fertility) Specific target organ toxicity, single exposure (Category 1) 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	%	Chemical name	CAS number	%
Cyclohexane	110-82-7	70 – 80	Methanol	67-56-1	3 – 5
Ethanol	64-17-5	5 – 10	Isopropyl alcohol	67-63-0	1 – 3
Hydrotreated light naphtha	64742-49-0	5 – 10	n-Hexane	110-54-3	< 1
2-Methylpentane	107-83-5	3 – 5	Methyl isobutyl ketone	108-10-1	< 0.2
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 Remove contaminated clothing. Wash off with soap and plenty of water. If skin irritation occurs: Get medical advice.

Eye contact Rinse with water. 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 May cause drowsiness, dizziness, headache, nausea and vomiting. Skin irritation. Aspiration may cause pulmonary edema and pneumonitis.

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 Water fog. Foam. Carbon dioxide (CO₂). Dry chemical powder. Sand. Earth.

Unsuitable extinguishing media None known.

Specific hazards Extremely flammable aerosol. Pressurized container may rupture when exposed to heat or flame.

This product is a poor conductor of electricity and can become electrostatically charged. Material will float and may ignite on surface of water. During fire, gases hazardous to health may be formed.

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. Ventilate closed spaces before entering them. Local authorities should be advised if significant spillages cannot be contained.

Containment and cleaning up Eliminate all ignition sources. Keep combustibles away from spilled material. Absorb in vermiculite, dry sand, earth or other absorbent material and place into containers. Prevent entry into waterways, sewer, basements or confined areas.

7. Handling and storage

Handling Do not pierce or burn, even after use. Do not use if spray button is missing or defective. Do not breathe gas, mist or vapor. Avoid contact with eyes, skin, and clothing. Avoid prolonged exposure. When using, do not eat, drink or smoke. Pregnant or breastfeeding women must not handle this product. Use only in well-ventilated areas. Wear appropriate personal protective equipment. Wash hands thoroughly after handling.

Storage Protect from sunlight and do not expose to temperatures exceeding 50°C/122 °F. Do not puncture, incinerate or crush. Do not handle or store near an open flame, heat or other sources of ignition. This material can accumulate static charge which may cause spark and become an ignition source.

8. Exposure controls/personal protection

Occupational exposure limits

Components	Type	Value	Components	Type	Value
Carbon dioxide	TWA	5000 ppm	Methanol	TWA	200 ppm
Cyclohexane	TWA	100 ppm	Methyl isobutyl ketone	TWA	20 ppm
Ethanol	PEL	1000 ppm	n-Hexane	TWA	50 ppm
Isopropyl alcohol	TWA	200 ppm	2-Methylpentane	TWA	500 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 rubber. Wear appropriate clothing to prevent skin contact.

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 Clear water-white liquid.

Odor threshold Not available.

Melting point/freezing point -245 °F (-154 °C)

Flash point < 0 °F (< -18 °C) Tag Closed Cup

Explosive limit - lower (%) 1

Vapor pressure 2648 hPa

Relative density 0.79

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

Decomposition temperature Not available.

VOC (Weight %): 96% (6.1 lbs/gal, 730.4 g/l)

Odor Mild solvent.

pH Not available.

Initial boiling point 118°F (48 °C)

Evaporation rate Fast

Explosive limit - upper (%) 36

Vapor density > 1 (Air = 1)

Solubility(ies) Negligible.

Auto-ignition temperature 437 °F (225 °C)

Viscosity Not available.

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. Aluminum. Magnesium. Strong acids. Strong bases. Zinc. Peroxides.

Hazardous decomposition products Carbon oxides. Hydrocarbons. Formaldehyde.

11. Toxicological information

Information on likely routes of exposure:

Ingestion Harmful if swallowed. Droplets of the product aspirated into the lungs through ingestion or vomiting may cause a serious chemical pneumonia.

Inhalation May cause damage to organs by inhalation. May cause drowsiness and dizziness. Headache.

Nausea, vomiting. Prolonged inhalation may be harmful.

Skin contact Causes skin irritation.

Eye contact Direct contact with eyes may cause temporary irritation.

Symptoms related to the physical, chemical and toxicological characteristics Aspiration hazard. Narcotic effects. Skin irritation.

Information on toxicological effects:

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

Respiratory sensitization Not available.

Skin sensitization Not expected to cause skin sensitization.

Carcinogenicity Suspected of causing cancer.

Reproductive toxicity Suspected of damaging fertility.

Aspiration hazard May be fatal if swallowed and enters airways. If aspirated into lungs during swallowing or vomiting, may cause chemical pneumonia, pulmonary injury or death.

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 must be disposed of as hazardous waste.

Hazardous waste code D001: Waste Flammable liquid

14. Transport information

DOT shipping description: UN1950, Aerosols, flammable, 2.1, limited quantity

15. Regulatory information

SARA 313 Cyclohexane, Methanol, Methyl isobutyl ketone

See full SDS for additional information

16. Other information

Issue date 11/4/2014

CRC #463A/C

Version # 01