

DIRECTIONS: Read entire label before using this product. 1. For personal safety, do not apply while equipment is energized. 2. Do not use on removed plastics. 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 Chlor-Free®. 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 utilizar este producto. 1. Por razones de seguridad personal, noaplique el producto mientras el equipo esté conectado. 2. No utilice sobre plásticos modernos. 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. Con Para superficies extremadamente sucias o corroídas, cepille con un producto abrasivo suave antes de usar Chlor-Free®. 5. Rocíe Roce 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: Highly flammable liquid and vapor. Harmful if swallowed. May be fatal if swallowed and enters airways. Causes skin irritation. Causes serious eye irritation. May cause drowsiness or dizziness. Suspected of causing cancer. Suspected of damaging fertility. Causes damage to organs (central nervous system, eyes).

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. Keep container tightly closed. Use only non-sparking tools. Take precautionary measures against static discharge. Do not breathe mist or vapor. 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. Wash thoroughly after handling. Do not eat, drink or smoke when using this product. Wear protective gloves/protective clothing/eye protection/face protection. Keep cool. Do not store container above 100 °F/38 °C. Store in a well-ventilated place. Keep container tightly closed. Store locked up. Dispose of contents/container in accordance with local/regional/national regulations. In case of fire: Do not use water jet as an extinguisher, as this will spread the fire.

First Aid: If swallowed: Immediately call a poison center/doctor. Rinse mouth. Do NOT induce vomiting. If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. If skin irritation occurs: Get medical advice/attention. Wash contaminated clothing before reuse. If inhaled: Remove person to fresh air and keep comfortable for breathing. 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. If exposed: Call a poison center/doctor.

Contains cyclohexane 110-82-7, ethanal 64-17-5, 2-methylpentane 107-83-5, methanol 67-56-1, hydrotreated light naphtha 64742-49-0, 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 and 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: Líquido y vapores muy inflamables. 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. Susceptible de provocar cáncer. Susceptible de perjudicar la fertilidad. Provoca daños en los órganos (sistema nervioso central, ojos).

Consejos de Prudencia: Procurarse las instrucciones antes del uso. No manipular antes de haber leído y comprendido todas las precauciones de seguridad. Mantener alejado del calor/de chispas/de llamas al descubierto/de superficies calientes. - No fumar. Mantener el recipiente herméticamente cerrado. No utilizar herramientas que produzcan chispas. Tomar medidas de precaución contra las descargas electrostáticas. No respirar nieblas o vapores. 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. Lávese cuidadosamente después de la manipulación. No comer, beber o fumar mientras se manipula este producto. Usar guantes/ropa de protección/equipo de protección para los ojos/la cara. Mantener fresco. No guarde contenedores por encima de 100 °F/38 °C. Almacene en un lugar bien ventilado. Guardar el recipiente herméticamente cerrado. Guardar bajo llave. Eliminación de contenidos / contenedor en consonancia con los reglamentos locales / regionales / nacionales pertinentes. En caso de incendio: No utilizar agua a presión, puede extender el incendio.

Primeros Auxilios: En caso de ingestión: Llamar inmediatamente a un centro de toxicología o a un médico. Enjuagarse la boca. NO provocar el vómito. En caso de contacto con la piel (o el pelo): Quitar inmediatamente la ropa contaminada. Enjuagar la piel con agua/ducharse. En caso de irritación cutánea: Consultar a un médico. Lavar la ropa contaminada 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. 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. EN CASO DE exposición: Llamar a un CENTRO DE TOXICOLOGÍA o a un médico.

Si 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.



Chlor-Free® Degreaser

Non-Chlorinated Degreaser Desengrasante No Clorado

Fast Evaporation
Leaves No Residue
Removes Grease and Oil

Rápida Evaporación
No Deja Residuos
Elimina la Grasa y el Aceite



Nonfood Compounds
Program List# K2
Reg.# 017205

S.D.[L.]
Safety Data Label



No. 03189
Item# 1003445

14 fl oz (414 mL)



To view 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): Resegue (NO CORTAR) la etiqueta siguiendo estas perforaciones y dobla 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

Product code No. 03189 (Item# 1003445)

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	Flammable liquids (Category 2)
Health hazards	Acute toxicity, oral (Category 4)
	Skin corrosion/irritation (Category 2)
	Serious eye damage/eye irritation (Category 2A)
	Carcinogenicity (Category 2)
	Reproductive toxicity (Category 2 fertility)
	Specific target organ toxicity, single exposure (Category 1 central nervous system, eyes)
	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	%
cyclohexane	110-82-7	70 – 80
ethanol	64-17-5	10 – 20
2-methylpentane	107-83-5	5 – 10
methanol	67-56-1	3 – 5
hydrotreated light naphtha	64742-49-0	3 – 5
n-hexane	110-54-3	< 1
methyl isobutyl ketone	108-10-1	< 0.2

(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 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 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 may cause pulmonary edema and pneumonitis.

May cause drowsiness, dizziness, headache, nausea and vomiting. Skin and severe eye 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 Water fog. Alcohol resistant foam. Carbon dioxide (CO2). Dry chemical powder. Sand. Earth.

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

Specific hazards Vapors may form explosive mixtures with air. Vapors may travel considerable distance to a source of ignition and flash back. This product is a poor conductor of electricity and can become electrostatically charged. If sufficient charge is accumulated, ignition of flammable mixtures can occur.

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. Ventilate closed spaces before entering them.

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. Avoid discharge into drains, water courses or onto the ground.

7. Handling and storage

Handling Do not handle, store or open near an open flame, sources of heat or sources of ignition. Protect material from direct sunlight. Explosion-proof general and local exhaust ventilation. Do not breathe mist or vapor. Do not taste or swallow. 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.

Storage Keep away from heat, sparks and open flame. Eliminate sources of ignition. Avoid spark promoters. Store in a cool, dry place 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
cyclohexane	TWA	100 ppm
ethanol	PEL	1000 ppm
methanol	TWA	200 ppm
methyl isobutyl ketone	TWA	20 ppm
hydrotreated light naphtha	PEL	100 ppm
n-hexane	TWA	50 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 nitrile or viton/butyl. 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 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 140 hPa

Relative density 0.76

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

Decomposition temperature Not available.

VOC (Weight %): 100% (6.4 lb/gal, 761 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 489 °F (254 °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.

Hazardous decomposition products Carbon oxides. Formaldehyde.

11. Toxicological information

Information on likely routes of exposure:

Inhalation May cause damage to organs by inhalation. May cause drowsiness, dizziness, headache, nausea, or vomiting.

Skin contact Causes skin irritation.

Eye contact Causes serious eye irritation.

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

Symptoms related to the physical, chemical and toxicological characteristics Aspiration hazard. Narcotic effects. Severe eye irritation. Skin irritation. Swallowing may cause blindness.

Information on toxicological effects:

Acute toxicity May be fatal if swallowed and enters airways.

Respiratory sensitization Not a respiratory sensitizer.

Skin sensitization Not expected to cause skin sensitization.

Carcinogenicity Suspected of causing cancer.

methyl isobutyl ketone IARC 2B (Possibly carcinogenic to humans)

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.

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: UN1993, Flammable liquids, n.o.s. (cyclohexane, ethanol), Limited Quantity

15. Regulatory information

SARA 313 cyclohexane, methanol, methyl isobutyl ketone, n-hexane
See full SDS for additional information

16. Other information

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