

CRC Contact Cleaner

DIRECTIONS: Read entire label before using this product.

1. Use caution when using on or around energized equipment. 2. For optimum results, prepare heavily soiled or corroded surfaces by buffing with a mild abrasive or by spraying CRC Duster™. 3. Tilt surface and spray until clean. 4. Use an intermittent spray pattern to dislodge trapped particles and allow excess cleaner to run off. 5. For pinpoint delivery or hard-to-reach areas, use extension tube. 6. When necessary, repeat step 3 until desired cleanliness is attained.

INSTRUCCIONES: Lea toda la etiqueta antes de usar este producto.

1. Actúe con cautela al utilizar en un equipo conectado a la energía eléctrica o cerca de éste. 2. Para obtener resultados óptimos, pule con un abrasivo suave las superficies que presenten gran cantidad de suciedad o corrosión, o rocíe con el aerosol antihumedad Duster™ de CRC. 3. Inclíne la superficie y rocíe hasta que quede limpio. 4. Utilice un patrón de rociado intermitente para quitar residuos que hayan quedado atrapados y permita que drene el excedente. 5. Para una colocación precisa o para áreas de acceso difícil, utilice el tubo de extensión. 6. Cuando sea necesario, repita el paso 3 hasta obtener la limpieza deseada.

Warning

Contains gas under pressure; may explode if heated.

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. 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. Protect from sunlight. Store in a well-ventilated place. Exposure to high temperature may cause can to burst. Dispose of waste and residues in accordance with local authority requirements.

First Aid: Wash hands after handling.



Nonfood Compounds
Program Listed
Category Code: K2
Reg.# 017390



Contains decafluoropentane 138495-42-8, methyl nonafluorobutyl ether 163702-07-6, methyl nonafluoroisobutyl ether 163702-08-7, and 1,1,1,2-tetrafluoroethane 811-97-2. 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.

Advertencia

Contiene gas a presión; puede explotar si se calienta.

Consejos de prudencia

No perforo ni incinere el envase. No expongo al calor o almacene 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. Utilice con ventilación adecuada. Abra puertas y ventanas o utilice otros medios para garantizar el suministro de aire fresco durante su uso y mientras el producto se está secando. Proteger de la luz solar. Almacenar en lugar bien ventilado. La exposición a altas temperaturas puede provocar que la lata estalle. Eliminar los desperdicios y residuos de conformidad con la normativa promulgada por las autoridades locales.

Primeros Auxilios: Lávese las manos después del uso.

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 conduce la 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.

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800-521-3168 (Technical Information)
800-272-4620 (Customer Care)
215-442-6260 (SDS)

VOC Category: Electronic Cleaner

VOC Limit: 75%

www.crcindustries.com
Made in U.S.A. 16A CRC# 508C/D



Contact Cleaner

Limpiador de Contacto

Non-Chlorinated

Non-Flammable

Plastic Safe

No VOCs

No Clorado

No Inflamable

Inocuo para el Plástico

Sin VOCs



WARNING:

CONTENTS UNDER PRESSURE.
KEEP AWAY FROM CHILDREN.
Read warnings on back panel.

ADVERTENCIA:

CONTENIDO BAJO PRESIÓN.
MANTENGA FUERA DEL ALCANCE
DE LOS NIÑOS.
Lea las advertencias en el dorso.

No. 03070

Net Wt./Peso Neto
14 oz (396 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 dóblela hacia atrás. Al terminar, vuelva a pegar la etiqueta. No la retire completamente hasta que la lata esté vacía.

1. Identification

Product identifier: Contact Cleaner

Product code 03070

Recommended use Precision electronics cleaner

Restrictions None known.

Manufactured 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 (Liquefied gas)

Health hazards Not classified.

Label elements (see front side of label)

3. Composition/information on ingredients

Hazardous components

Chemical name	CAS number	%
1,1,1,2-tetrafluoroethane	811-97-2	45 - 55
decafluoropentane	138495-42-8	0 - 60
methyl nonafluorobutyl ether	163702-07-6	0 - 30
methyl nonafluoroisobutyl ether	163702-08-7	0 - 30

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

4. First-aid measures

Inhalation Move to fresh air. Call a physician if symptoms develop or persist.

Skin contact Wash off with soap and water. Get medical attention if irritation develops and persists.

Eye contact Rinse with water. Get medical attention if irritation develops and persists.

Ingestion Rinse mouth. Get medical attention if symptoms occur.

Most important symptoms/effects Direct contact with eyes may cause temporary irritation.

Special treatment needed Provide general supportive measures and treat symptomatically.

5. Fire-fighting measures

Suitable extinguishing media Water.

Unsuitable extinguishing media None known.

Specific hazards Contents under pressure. Pressurized container may rupture when exposed to heat or flame. When exposed to extreme heat or hot surfaces, vapors may decompose to harmful or fatal corrosive gases such as hydrogen fluoride.

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 Keep people away from and upwind of spill/leak. Wear appropriate personal protective equipment. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ensure adequate ventilation.

Containment and cleaning up Stop the flow of material, if this is without risk. Prevent entry into waterways, sewer, basements or confined areas. Following product recovery, flush area with water.

7. Handling and storage

Handling Avoid prolonged exposure. Provide adequate ventilation. Wear appropriate personal protective equipment. Observe good industrial hygiene practices.

Storage Store in a cool, dry place out of direct sunlight. Store in a well-ventilated place. Do not expose to temperatures exceeding 49°C/120°F.

8. Exposure controls/personal protection

Occupational exposure limits

Components	Type	Value
1,1,1,2-tetrafluoroethane	TWA	1000 ppm
methyl nonafluorobutyl ether	TWA	750 ppm
methyl nonafluoroisobutyl ether	TWA	750 ppm

Appropriate engineering controls Good general ventilation (typically 10 air changes per hour) should be used. If exposure limits have not been established, maintain airborne levels to an acceptable level.

Individual protection measures:

Eye/face protection Wear safety glasses with side shields (or goggles).

Skin protection Wear protective gloves such as neoprene, nitrile, or PVC. Wear appropriate chemical resistant clothing.

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 colorless liquid.

Odor threshold Not available.

Melting point/freezing point -112 °F (-80 °C)

Initial boiling point 131 °F (55 °C)

Flash point None.

Flammability:

Explosive limit - lower (%) Not applicable.

Explosive limit - upper (%) Not applicable.

Vapor pressure 3459 hPa

Relative density 1.55

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

Auto-ignition temperature Not available.

Decomposition temperature Not available.

Viscosity Not available.

Odor Ethereal and sweetish odor.

pH Not available.

Evaporation rate Very fast.

Vapor density > 1 (Air = 1)

Solubility(ies) < 140 ppm

VOC (Weight %): 0%

10. Stability and reactivity

Reactivity Stable and non-reactive under normal conditions of use, storage and transport.

Chemical stability Stable

Possibility of hazardous reactions Non-reactive under conditions of normal use.

Conditions to avoid Contact with incompatible materials. When exposed to extreme heat or hot surfaces, vapors may decompose to harmful or fatal corrosive gases such as hydrogen fluoride.

Incompatible materials Strong oxidizers.

Hazardous decomposition products Hydrogen fluoride.

11. Toxicological information

Information on likely routes of exposure:

Ingestion Expected to be a low ingestion hazard.

Inhalation Prolonged inhalation may be harmful.

Skin contact Prolonged skin contact may cause temporary irritation.

Eye contact Direct contact with eyes may cause temporary irritation.

Symptoms related to the physical, chemical and toxicological characteristics

Direct contact with eyes may cause temporary irritation.

Information on toxicological effects:

Acute toxicity Not classified.

Respiratory sensitization Not expected to cause respiratory sensitization.

Skin sensitization Not expected to cause skin sensitization.

Carcinogenicity No ingredients listed by NTP, IARC or OSHA.

Aspiration hazard Not an aspiration hazard.

Chronic effects Prolonged inhalation may be harmful.

12. Ecological information

See full SDS for additional information

13. Disposal considerations

Disposal instructions The dispensed liquid product is not a RCRA hazardous waste (40 CFR Part 261.20 - 261.33). Do not contaminate ponds, waterways or ditches with chemical or used container. Dispose in accordance with all applicable regulations.

Hazardous waste code Not regulated.

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

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