



Contact Cleaner 2000[®] VC Precision Cleaner Limpiador de Precisión

No Flash Point
No Residue

Sin punto de inflamación
No deja residuo

DANGER: HARMFUL OR FATAL IF SWALLOWED. EYE AND SKIN IRRITANT. CONTENTS UNDER PRESSURE. KEEP AWAY FROM CHILDREN.
Read warnings on back panel.

PELIGRO: SU INGESTIÓN ES PERJUDICIAL O MORTAL. IRRITANTE DE OJOS Y PIEL. CONTENIDO BAJO PRESIÓN. MANTENGA FUERA DEL ALCANCE DE LOS NIÑOS.
Lea las advertencias en el dorso.

No. 02240
Item# 1003249
**Net Wt./Peso Neto
13 oz (368 g)**



Nonfood Compounds
Program Listed: K2
Reg.# 140125

S.D.[L.][®]
Safety Data Label[™]



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. Do not use on polycarbonate plastics. If in doubt call the manufacturer of the equipment. Do not use on sensitive electronic equipment. 3. Spray until clean and allow to run off. Use extension tube for pinpoint cleaning. 4. Use an abrasive on surfaces with heavy carbon deposits or corrosion- remove residue with intermittent spray before reactivating system. 5. Product may collect and pool in unseen areas. Use a combustible gas detector to be certain there are no flammable vapors remaining before reactivation. 6. Periodic planned maintenance prolongs life expectancy of components and helps eliminate deposits that cause leakage. Use resistance measurements to determine frequency of application.

INSTRUCCIONES: Lea la etiqueta completa antes de usar este producto. 1. Para seguridad personal, no aplicar en equipos con corriente eléctrica. 2. Puede ser dañino para algunos plásticos. No usar en plásticos de policarbonato. Si tiene dudas, llame al fabricante del equipo. No utilizar en equipos electrónicos sensibles. 3. Pulverice hasta que el artículo este limpio y deje secar. Utilice un tubo prolongador para limpieza detallada. 4. Utilice un abrasivo en superficies con depósitos grandes de carbono o corrosión - remueva los residuos con pulverización intermitente antes de reactivar el sistema. 5. El producto puede juntarse y acumularse en áreas que no estén a la vista. Use un detector de gas combustible para asegurar que no queden vapores inflamables antes de la reactivación. 6. El mantenimiento programado periódico prolonga la vida útil de los componentes y ayuda a eliminar depósitos que puedan causar pérdidas. Utilice mediciones de resistencia para determinar la frecuencia de la aplicación.

Danger: Contains gas under pressure; may explode if heated. May displace oxygen and cause rapid suffocation. 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. Keep container tightly closed. 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. Avoid breathing mist or vapor. Wash thoroughly after handling. Do not eat, drink or smoke when using this product. Wear eye protection/face protection. Wear protective gloves. Wear respiratory 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 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 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 1,1,1,2-tetrafluoroethane 811-97-2, trans-1,2-dichloroethylene 156-60-5, and decalfluoropentane 138495-42-8. 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. Puede desplazar al oxígeno y causar asfixia rápidamente. 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 perforar ni incinerar 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. Mantener el recipiente herméticamente cerrado. 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 este secando. Si presenta algunos de los síntomas enumerados en esta etiqueta, aumente la ventilación o deje el área. Evitar respirar nieblas o vapores. Lávese cuidadosamente después de la manipulación. No comer, beber o fumar mientras se manipula este producto. Usar equipo de protección para los ojos/la cara. Usar cuantes de protección. Usar equipo de protección respiratoria. 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. Enjuagarse la boca. No provocar el vómito. 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 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. Prosiguir 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.

País 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. **VC Category: Electronic Cleaner** **VC Limit: 75%**

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800-321-3168 (Technical Information) • 800-272-4620 (Customer Care)

Made in U.S.A. 17A
www.crcindustries.com



WARNING: Reproductive Harm - www.P65Warnings.ca.gov.
ADVERTENCIA: Daño Reproductivo - www.P65Warnings.ca.gov.

1. Identification

Product identifier: Contact Cleaner 2000® VC Precision Cleaner

Product code No. 02240 (Item# 1003249)

Recommended use Precision electronics cleaner

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 (Liquefied 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	%
1,1,1,2-tetrafluoroethane	811-97-2	40 – 50
trans-1,2-dichloroethylene	156-60-5	20 – 30
decafluoropentane	138495-42-8	5 – 10

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

4. First-aid measures

Inhalation Remove from further exposure. If respiratory tract irritation, dizziness, nausea, or unconsciousness occurs, seek immediate medical assistance. Do NOT give epinephrine (adrenaline).

Skin contact Rinse skin with water/shower. If skin irritation occurs: Get medical attention.

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.

Most important symptoms/effects Aspiration may cause pulmonary edema and pneumonitis. Severe eye irritation. Skin irritation. Narcotic effects.

Special treatment needed Treat symptomatically. Catecholamine drugs such as adrenaline should be used with special caution. Keep victim under observation. Symptoms may be delayed.

5. Fire-fighting measures

Suitable extinguishing media Water fog, Foam, Dry chemical powder, Carbon dioxide (CO₂).

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

Specific hazards Pressurized container may rupture when exposed to heat or flame. 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 Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

6. Accidental release measures

Personal precautions Keep people away from and upwind of spill/leak. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. 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. Wipe up with absorbent material. Clean surface thoroughly to remove residual contamination. Avoid discharge into drains, water courses, or onto the ground.

7. Handling and storage

Handling Pressurized container: Do not pierce or burn, even after use. Do not taste or swallow. Avoid breathing mist or vapor. Avoid contact with eyes, skin, and clothing. Avoid prolonged exposure. Use only in well-ventilated areas. When using, do not eat, drink or smoke. Wear appropriate personal protective equipment. Wash hands thoroughly after handling.

Storage Do not expose to heat or store at temperatures above 120°F/49°C as can may burst. Do not puncture, incinerate or crush. Do not handle or store near an open flame, heat or other sources of ignition. Store in a well-ventilated place and away from incompatible materials.

8. Exposure controls/personal protection

Occupational exposure limits

Components	Type	Value
trans-1,2-dichloroethylene	TWA	200 ppm
1,1,1,2-tetrafluoroethane	TWA	1000 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 Use protective gloves such as nitrile, neoprene, PVA, or Viton/butyl. Wear appropriate chemical-resistant clothing to prevent skin contact. Use of an impervious apron is recommended.

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 Colorless liquid.

Odor threshold Not available.

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

Flash point None.

Explosive limit - lower (%) 2

Vapor pressure 3471 hPa

Relative density 1.25

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

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

Decomposition temperature Not available.

Viscosity Not available.

VOC (Weight %): 30.9% (3.2 lb/gal, 386.3 g/L)

Odor Slight ethereal.

pH Not available.

Initial boiling point 104 °F (40 °C)

Evaporation rate Fast.

Explosive limit - upper (%) 19.9

Vapor density > 1 (air = 1)

Solubility(ies) Slight in water

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 Acids, Strong bases, Alkaline metals, Alkaline earth metals, Powdered metal, Strong oxidizing agents.

Hazardous decomposition products Hydrogen chloride, Hydrogen fluoride, Carbonyl fluoride, Carbon oxides, Phosgene.

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 Suffocation hazard. Vapors have a narcotic effect and may cause headache, fatigue, dizziness and nausea.

Skin contact Causes skin irritation.

Eye contact Causes serious eye irritation.

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 development effects.

Aspiration hazard 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 The dispensed liquid product is not a RCRA hazardous waste. Empty container 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 None

See full SDS for additional information

16. Other information

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