

# CRC Aviation Degreaser

## 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. Remove heavy deposits of contaminants by scraping. 3. Spray until clean. Use extension tube for hard-to-reach areas. Allow to air dry, or dry with absorbent cloth. If necessary, repeat application. 4. Do not use on polycarbonate plastics. If in doubt, contact the manufacture of the equipment. MAY ALSO BE HARMFUL TO OTHER PLASTICS.

## INSTRUCCIONES: Lea la etiqueta completa antes de usar este producto.

1. Para seguridad personal, no aplicar en equipos con corriente eléctrica. 2. Retirar las placas mecánicas, cubiertas, etc. de modo a exponer el interior del equipo. Retirar los depósitos pesados de contaminantes raspando. 3. Pulverizar hasta que esté limpio. Utilizar tubo alargador para áreas difíciles de alcanzar. Permitir que se seque solo, o secar con un paño absorbente. Si fuera necesario, repetir la aplicación. 4. No usar en plásticos de policarbonato. Si tiene dudas, comuníquese con el fabricante del equipo. TAMBIÉN PUEDE SER DAÑINO PARA OTROS PLÁSTICOS.

**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. Suspected of causing cancer. May damage fertility or the unborn child. May cause damage to organs (kidney, liver, 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. 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. Wear protective gloves/protective clothing/eye protection/face protection. Wash thoroughly after handling. Store locked up. Protect from sunlight. Store in a well-ventilated place. Exposure to high temperature may cause can to burst. When exposed to extreme heat or hot surfaces, vapors may decompose to harmful or fatal corrosive gases such as hydrogen bromide and hydrogen fluoride. 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 1,1,1,2-tetrafluoroethane 811-97-2, n-propyl bromide 106-94-5, carbon dioxide 124-38-9, t-butanol 75-65-0, and butylene oxide 106-88-7. 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. Provoca irritación cutánea. Provoca irritación ocular grave. Puede irritar las vías respiratorias. Puede provocar somnolencia o vértigo. Susceptible de provocar cáncer. Puede perjudicar la fertilidad o dañar al feto. Puede provocar daños en los órganos (riñón, hígado, sistema nervioso) tras exposiciones prolongadas o repetidas.

**Consejos de Prudencia:** Procurarse las instrucciones antes del 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. 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. No respirar nieblas o vapores. Usar guantes/ropa de protección/equipo de protección para los ojos/la cara. Lávese cuidadosamente después de la manipulación. 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. Al exponerla al calor extremo, los vapores pueden descomponerse en gases corrosivos y tóxicos como el bromuro de hidrógeno y el fluoruro de hidrógeno. 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 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 TOXICOLOGIA 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 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. No toque la lata con fuentes eléctricas vivas, ya que esto puede resultar en lesiones graves.

NOT FOR USE IN CALIFORNIA. See SDS for additional state sales restrictions.

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

Made in U.S.A. 17A CRC# 435/435A  
www.crcindustries.com



# Aviation Degreaser Desengrasante de aviación

No Residue  
No Flash or Fire Point  
Meets Requirements of Boeing D6-17487  
Reduced VOC's  
No deja residuo  
Sin punto de inflamación o punto  
de ignición  
Cumple con los requisitos de  
Boeing D6-17487  
COVs reducidos



S.D.[L.]  
Safety Data Label



No. 10900

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): Resque (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 está vacía.

## 1. Identification

**Product identifier:** Aviation Degreaser

**Product code** 10900

**Recommended use** General purpose degreaser for aviation applications

**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, liquefied gas)

**Health hazards** Skin corrosion/irritation (Category 2)

Serious eye damage/eye irritation (Category 2)

Carcinogenicity (Category 2)

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	%
1,1,1,2-tetrafluoroethane	811-97-2	40 – 50
n-propyl bromide	106-94-5	40 – 50
carbon dioxide	124-38-9	3 – 5
t-butanol	75-65-0	1 – 3
butylene oxide	106-88-7	< 1

(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** Water spray. Water fog. Alcohol resistant foam. Dry chemical powder.

Carbon dioxide (CO<sub>2</sub>).

**Unsuitable extinguishing media** None known.

**Specific hazards** 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 bromide.

**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. 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 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	butylene oxide	TWA	2 ppm
t-butanol	TWA	100 ppm	1,1,1,2-tetrafluoroethane	TWA	1000 ppm
n-propyl bromide	TWA	0.1 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** 4969 hPa

**Relative density** 1.29

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

**Decomposition temperature** Not available.

**VOC (Weight %):** 49.9 (5.5 lbs/gal, 663 g/l)

**Odor** Solvent.

**pH** Not available.

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

**Evaporation rate** Fast

**Explosive limit - upper (%)** 9.5

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

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

**Auto-ignition temperature** 914 °F (490 °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. Sunlight. Extreme temperatures. Incompatible materials.

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

**Hazardous decomposition products** Hydrogen bromide. Hydrogen fluoride. Carbonyl fluoride. 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 damage to organs through prolonged or repeated exposure by inhalation. May cause drowsiness, dizziness, headache, nausea, vomiting, and irritation to the respiratory system.

**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** Not known.

**Respiratory sensitization** Not a respiratory sensitizer.

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

**Carcinogenicity** May cause cancer.

butylene oxide IARC 2B (Possibly carcinogenic to humans)

n-propyl bromide IARC 2B (Possibly carcinogenic to humans)

NTP (Reasonably anticipated to be a human carcinogen)

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

**Aspiration hazard** Not an aspiration hazard.

**Chronic effects** May cause damage to organs (kidney, liver, nervous system) through prolonged or repeated exposure.

## 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 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, n-propyl bromide, t-butanol

**See full SDS for additional information**

## 16. Other information

**Issue date** 1/23/2017

**CRC #435/A**

**Version # 04**