

**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. For best results, remove heavy deposits of contaminants by scraping with a knife or wire brush. 3. Spray until clean. Use extension tube for hard to reach areas. 4. Allow equipment to fully dry and vent before using. 5. Drying time can be accelerated by using a dry, absorbent cloth or CRC Duster™. 6. Do not use on modern plastics. If uncertain, check with the manufacturer or test on a small area before using. 7. Not for use on sensitive electronics. Use a CRC precision cleaner.

**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. Quite las placas metálicas, las cubiertas, etc. para exponer el interior del equipo. Para obtener mejores resultados, quite los depósitos difíciles de contaminantes raspando con un cuchillo o un cepillo de alambre. 3. Rocíe hasta que quede limpio. Utilice el tubo de extensión para alcanzar las áreas difíciles. 4. Deje secar y ventilar el equipo por completo antes de ser utilizado. 5. Se puede acelerar el tiempo de secado utilizando un paño seco y absorbente o el aerosol antihumedad Duster™ de CRC. 6. No utilice sobre plásticos modernos. Si no está seguro, consulte con el fabricante o realice una prueba sobre una superficie pequeña antes de utilizar el producto. 7. No apto para utilizar en productos electrónicos delicados. Utilice un limpiador de precisión CRC.

**Danger:** Contains gas under pressure; may explode if heated. 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. 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. 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. Do NOT induce vomiting. Rinse mouth. 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, decafluoropentane 138495-42-8, and carbon dioxide 124-38-9. 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. 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 Precaución:** 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. 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 esté secando. Si presenta algunos de los síntomas enumerados en esta etiqueta, aumente la ventilación o deje el área. Evitar respirar neblinas 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 guantes de protección. 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. NO provocar el vómito. Enjuagarse la boca. 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. Proseguir 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.

**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.



# Aviation T-Force® Degreaser

## Desengrasante

**No Flash or Fire Point  
Evaporates Rapidly  
Removes Grease and Oil  
Meets Requirements of Boeing D6-17487**

**No posee punto de inflamación  
ni de incendio  
Se Evapora Rápidamente  
Elimina la Grasa y el Aceite  
Cumple con los requerimientos de  
Boeing D6-17487.**



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

**PELIGRO: VAPOR DAÑINO.  
NOCIVO O FATAL SI SE INGIERE.  
IRRITANTE DE OJOS Y PIEL.  
CONTENIDO BAJO PRESIÓN.  
MANTENER ALEJADO DEL  
ALCANCE DE LOS NIÑOS.  
Lea las advertencias en el dorso.**



No. 10321  
Item# 1004732

**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): Rasgue (NO CORTAR) 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:** Aviation T-Force®

**Product code** No. 10321 (Item# 1004732)

**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** 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    | 40 – 50 |
| decafluoropentane          | 138495-42-8 | 5 – 10  |
| carbon dioxide             | 124-38-9    | 1 – 3   |

(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. Call a POISON CENTER or doctor/physician if you feel unwell.

**Skin contact** Rinse skin with water/shower. If skin irritation occurs: Get medical advice/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. 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. Severe eye irritation. Skin irritation.

## 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 it will spread the fire.

**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, 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 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. 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 use if spray button is missing or defective. Do not smoke while using this product. Avoid breathing mist or vapor. Avoid contact with eyes, skin, and clothing. Avoid prolonged exposure. Use only in well-ventilated areas. 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. Store in a well-ventilated place and away from incompatible materials.

## 8. Exposure controls/personal protection

**Occupational exposure limits**

| Components                 | Type | Value    |
|----------------------------|------|----------|
| carbon dioxide             | TWA  | 5000 ppm |
| 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, PVA, or viton/butyl. Wear appropriate chemical resistant 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** Colorless liquid.

**Odor threshold** Not available.

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

**Initial boiling point** 120 °F (49 °C)

**Flash point** None (Tag Closed Cup)

**Evaporation rate** Fast.

**Explosive limit - lower (%)** 2

**Explosive limit - upper (%)** 18

**Vapor pressure** 4649 hPa

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

**Relative density** 1.25

**Solubility(ies)** Slight in water

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

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

**Decomposition temperature** Not available.

**Viscosity** Not available.

**VOC (Weight %):** 49.9% (5.2 lb/gal, 623.8 g/L) CARB

42.4% (4.4 lb/gal, 530.0 g/L) OTC

**Odor** Slight ethereal.

**pH** 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. Strong acids and bases. Alkali and alkaline earth metals. Powdered metal.

**Hazardous decomposition products** Carbon oxides. Hydrogen chloride. Phosgene. Hydrogen fluoride.

## 11. Toxicological information

**Information on likely routes of exposure:**

**Inhalation** May cause drowsiness, dizziness, headache, nausea and 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.

**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 developmental effects.

**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** The dispensed liquid product is not a RCRA hazardous waste. Empty container can 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

**Issue date** 10-OCT-17

**CRC #697/1002744**

**Version #** 03