

SAFETY DATA SHEET

1. Identification

| 1. Identification | | |
|---------------------------------|--|---|
| Product identifier | T-Force® Next Generation Degreaser - 1 lb | 2 oz |
| Other means of identification | | |
| Product Code | Item# 1750018 | |
| Recommended use | General purpose degreaser | |
| Recommended restrictions | None known. | |
| Manufacturer/Importer/Supplier/ | Distributor information | |
| Manufactured or sold by: | | |
| Company name | CRC Industries, Inc. | |
| Address | 885 Louis Dr. | |
| | Warminster, PA 18974 US | |
| Telephone | | |
| General Information | 215-674-4300 | |
| Technical Assistance | 800-521-3168 | |
| Customer Service | 800-272-4620 | |
| 24-Hour Emergency | 800-424-9300 (US) | |
| (CHEMTREC) Website | crcindustries.com | |
| | cicindustiles.com | |
| 2. Hazard(s) identification | | |
| Physical hazards | Gases under pressure | Compressed gas |
| Health hazards | Skin corrosion/irritation | Category 2 |
| | Serious eye damage/eye irritation | Category 2 |
| | Specific target organ toxicity, single exposure | Category 3 respiratory tract irritation |
| | Specific target organ toxicity, single exposure | Category 3 narcotic effects |
| | Aspiration hazard | Category 1 |
| Environmental hazards | Hazardous to the aquatic environment, long-term hazard | Category 3 |
| OSHA defined hazards | Not classified. | |
| Label elements | | |
| | | |
| Signal word | Danger | |
| Hazard statement | Contains gas under pressure; may explode if heated. May be fatal if swallowed and enters airways. Causes skin irritation. Causes serious eye irritation. May cause respiratory irritation. May cause drowsiness or dizziness. | |
| Precautionary statement | | |
| Prevention | Do not puncture or incinerate container. Do not expose to heat or store at temperatures above 49 °C/120 °F. Use only outdoors or in a well-ventilated area. 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/vapors. Wash thoroughly after handling. Wear eye protection/face protection. Wear protective gloves. | |
| Response | If swallowed: Immediately call a poison center/doctor. Do NOT induce vomiting. 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. If on skin: Wash with plenty of water. If skin irritation occurs: Get medical advice/attention. Take off contaminated clothing and wash it before reuse. | |

| Storage | Keep container tightly closed. Store locked up. Protect from sunlight. Store in a well-ventilated place. Exposure to high temperature may cause can to burst. |
|--|---|
| Disposal | Dispose of contents/container in accordance with local/regional/national/international regulations. |
| Hazard(s) not otherwise classified (HNOC) | None known. |
| Supplemental information | When exposed to extreme heat or hot surfaces, vapors may decompose to toxic gases such as hydrogen fluoride, hydrogen chloride, and possibly phosgene. |

3. Composition/information on ingredients

Mixtures

4

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| Chemical name | Common name and synonyms | CAS number | % |
|---|--------------------------|------------|---------|
| 1,1,2,2-tetrafluoro-1-(2,2,2-trifluoroe thoxy) ethane | HFE-347PCF2 | 406-78-0 | 40 - 50 |
| trans-1,2-dichloroethylene | | 156-60-5 | 40 - 50 |
| carbon dioxide | | 124-38-9 | 3 - 5 |

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 with plenty of 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 | 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, acute and delayed | Aspiration may cause pulmonary edema and pneumonitis. May cause drowsiness or dizziness. Headache. Nausea, vomiting. Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. May cause respiratory irritation. Skin irritation. May cause redness and pain. |
| Indication of immediate medical attention and special treatment needed | Provide general supportive measures and treat symptomatically. Keep victim under observation. Symptoms may be delayed. |
| General information | Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. |
| 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 arising from the chemical | Contents under pressure. Pressurized container may rupture when exposed to heat or flame. During fire, gases hazardous to health may be formed. When exposed to extreme heat or hot surfaces, vapors may decompose to toxic 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. |
| Fire-fighting equipment/instructions | In case of fire: Stop leak if safe to do so. Move containers from fire area if you can do so without risk. Containers should be cooled with water to prevent vapor pressure build up. |
| General fire hazards | Contents under pressure. Pressurized container may rupture when exposed to heat or flame. |
| | |

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Keep out of low areas. Many gases are heavier than air and will spread along ground and collect in low or confined areas (sewers, basements, tanks). Wear appropriate protective equipment and clothing during clean-up. Avoid breathing mist/vapors. Emergency personnel need self-contained breathing equipment. 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. For personal protection, see section 8 of the SDS.

| Methods and materials for containment and cleaning up | Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Keep combustibles (wood, paper, oil, etc.) away from spilled material. Prevent product from entering drains. Stop the flow of material, if this is without risk. Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination. For waste disposal, see section 13 of the SDS. |
|---|--|
| Environmental precautions | Avoid release to the environment. Inform appropriate managerial or supervisory personnel of all environmental releases. Prevent further leakage or spillage if safe to do so. Avoid discharge into drains, water courses or onto the ground. |
| 7. Handling and storage | |
| Precautions for safe handling | Pressurized container: Do not pierce or burn, even after use. Do not use if spray button is missing or defective. Do not spray on a naked flame or any other incandescent material. Do not smoke while using or until sprayed surface is thoroughly dry. Do not cut, weld, solder, drill, grind, or expose containers to heat, flame, sparks, or other sources of ignition. Use caution around energized equipment. The metal container will conduct electricity if it contacts a live source. This may result in injury to the user from electrical shock and/or flash fire. Use only outdoors or in a well-ventilated area. 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/vapors. 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. Avoid release to the environment. Observe good industrial hygiene practices. For product usage instructions, see the product label. |
| Conditions for safe storage, | Level 1 Aerosol. |
| including any incompatibilities | Contents under pressure. 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 tightly closed container. Store in a well-ventilated place. Stored containers should be periodically checked for general condition and leakage. Store away from incompatible materials (see Section 10 of the SDS). |

8. Exposure controls/personal protection

Occupational exposure limits

The following constituents are the only constituents of the product which have a PEL, TLV or other recommended exposure limit. At this time, the other constituents have no known exposure limits.

| Components | Туре | Value | |
|--|---------------|-------------|--|
| carbon dioxide (CAS 124-38-9) | PEL | 9000 mg/m3 | |
| | | 5000 ppm | |
| trans-1,2-dichloroethylene (CAS 156-60-5) | PEL | 790 mg/m3 | |
| | | 200 ppm | |
| US. ACGIH Threshold Limit Value | s | | |
| Components | Туре | Value | |
| carbon dioxide (CAS 124-38-9) | STEL | 30000 ppm | |
| | TWA | 5000 ppm | |
| trans-1,2-dichloroethylene (CAS 156-60-5) | TWA | 200 ppm | |
| US. NIOSH: Pocket Guide to Cher | nical Hazards | | |
| Components | Туре | Value | |
| carbon dioxide (CAS 124-38-9) | STEL | 54000 mg/m3 | |
| | | 30000 ppm | |
| | TWA | 9000 mg/m3 | |
| | | 5000 ppm | |
| trans-1,2-dichloroethylene (CAS 156-60-5) | TWA | 790 mg/m3 | |
| | | 200 ppm | |
| | | | |

| U.S EPA Components | Туре | Value |
|--|--|---|
| 1,1,2,2-tetrafluoro-1-(2,2,2-t rifluoroethoxy) ethane (CAS 406-78-0) | Ceiling Limit Value | 150 ppm |
| Manufacturer OEL Components | Туре | Value |
| 1,1,2,2-tetrafluoro-1-(2,2,2-t rifluoroethoxy) ethane (CAS 406-78-0) | TWA | 50 ppm |
| Biological limit values | No biological exposure limits noted for th | ne ingredient(s). |
| Appropriate engineering controls | Good general ventilation should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. Provide eyewash station and safety shower. | |
| Individual protection measures, | such as personal protective equipment | |
| Eye/face protection | Wear safety glasses with side shields (or goggles). | |
| Skin protection | | |
| Hand protection | Wear protective gloves such as: Fluoroelastomer. Nitrile. Polyvinyl alcohol (PVA). | |
| Other | Wear appropriate chemical resistant clothing. | |
| Respiratory protection | If engineering controls are not feasible or if exposure exceeds the applicable exposure limits, use a NIOSH-approved cartridge respirator with an organic vapor cartridge. Use a self-contained breathing apparatus in confined spaces and for emergencies. Air monitoring is needed to determine actual employee exposure levels. | |
| Thermal hazards | Wear appropriate thermal protective clothing, when necessary. | |
| General hygiene considerations | | rve good personal hygiene measures, such as washing ating, drinking, and/or smoking. Routinely wash work nove contaminants. |

9. Physical and chemical properties

| Appearance | | |
|--|------------------------------|--|
| Physical state | Liquid. | |
| Form | Aerosol. | |
| Color | Colorless. | |
| Odor | Solvent. | |
| Odor threshold | Not available. | |
| рН | Not available. | |
| Melting point/freezing point | -137.2 °F (-94 °C) estimated | |
| Initial boiling point and boiling range | 118.4 °F (48 °C) estimated | |
| Flash point | None (Setaflash) | |
| Evaporation rate | Fast. | |
| Flammability (solid, gas) | Not available. | |
| Upper/lower flammability or explosive limits | | |
| Explosive limit - lower (%) | 6.7 % estimated | |
| Explosive limit - upper (%) | 18 % estimated | |
| Vapor pressure | 2781.4 hPa estimated | |
| Vapor density | Not available. | |
| Relative density | 1.28 estimated | |
| Solubility(ies) | | |
| Solubility (water) | Negligible. | |
| Partition coefficient (n-octanol/water) | Not available. | |

| Auto-ignition temperature | 860 °F (460 °C) estimated |
|---------------------------|---------------------------|
| Decomposition temperature | Not available. |
| Viscosity | Not available. |
| Percent volatile | 95.8 % estimated |

10. Stability and reactivity

| | -9 |
|-------------------------------------|---|
| Reactivity | The product is stable and non-reactive under normal conditions of use, storage and transport. |
| Chemical stability | Material is stable under normal conditions. |
| Possibility of hazardous reactions | No dangerous reaction known under conditions of normal use. |
| Conditions to avoid | Heat. Contact with incompatible materials. When exposed to extreme heat or hot surfaces, vapors may decompose to toxic gases such as hydrogen fluoride, hydrogen chloride, and possibly phosgene. |
| Incompatible materials | Strong oxidizing agents. Strong acids. Strong bases. |
| Hazardous decomposition products | Halogenated materials. Hydrogen chloride. Carbon oxides. Hydrogen fluoride. Phosgene. |

11. Toxicological information

Information on likely routes of exposure

| · · · · · · · · · · · · · · · | |
|--|--|
| Inhalation | May cause drowsiness or dizziness. Headache. Nausea, vomiting. May cause irritation to the respiratory system. Prolonged inhalation may be harmful. |
| Skin contact | Causes skin irritation. |
| Eye contact | Causes serious eye irritation. |
| Ingestion | 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 may cause pulmonary edema and pneumonitis. May cause drowsiness or dizziness. Headache. Nausea, vomiting. Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. May cause respiratory irritation. Skin irritation. May cause redness and pain. |
| Information on toxicological effe | cts |
| Acute toxicity | May be fatal if swallowed and enters airways. |
| Skin corrosion/irritation | Causes skin irritation. |
| Serious eye damage/eye irritation | Causes serious eye irritation. |
| Respiratory or skin sensitization | |
| Respiratory sensitization | Not a respiratory sensitizer. |
| Skin sensitization | This product is not expected to cause skin sensitization. |
| Germ cell mutagenicity | No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic. |
| Carcinogenicity | Not classifiable as to carcinogenicity to humans. |
| IARC Monographs. Overall E | valuation of Carcinogenicity |
| Not listed. | |
| Not listed. | d Substances (29 CFR 1910.1001-1053) |
| | gram (NTP) Report on Carcinogens |
| Not listed. | |
| Reproductive toxicity | This product is not expected to cause reproductive or developmental effects. |
| Specific target organ toxicity - single exposure | May cause respiratory irritation. May cause drowsiness or dizziness. |
| Specific target organ toxicity - repeated exposure | Not classified. |
| Aspiration hazard | May be fatal if swallowed and enters airways. |
| Chronic effects | Prolonged inhalation may be harmful. |
| | |

| 12. Ecological information | n | |
|---|--|--|
| Ecotoxicity | Harmful to aquatic life with long lasting effects. | |
| Persistence and degradability | No data is available on the degradability of any ingredients in the mixture. | |
| Bioaccumulative potential | No data available. | |
| Partition coefficient n-octan 1,1,2,2-tetrafluoro-1-(2,2,2-trif trans-1,2-dichloroethylene | | |
| Mobility in soil | No data available. | |
| Other adverse effects | Not established. | |
| 13. Disposal consideratio | ns | |
| Disposal instructions | The dispensed liquid product is not a RCRA hazardous waste (See 40 CFR Part 261.20 - 261.33). Full or partially-full aerosol cans can be treated as universal waste. Empty container can be recycled. Contents under pressure. Do not incinerate sealed containers. Do not allow this material to drain into sewers/water supplies. Do not contaminate ponds, waterways or ditches with chemical or used container. Dispose in accordance with all applicable regulations. | |
| Hazardous waste code | Not regulated. | |
| | However, it is the generator's responsibility to determine the proper classification and disposal method at the time of disposal. | |
| Contaminated packaging | Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal. | |

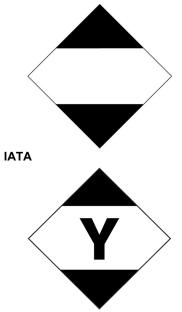
14. Transport information

DOT

| DOT | |
|------------------------------|---|
| UN number | UN1950 |
| UN proper shipping name | Aerosols, non-flammable, Limited Quantity |
| Transport hazard class(es) | |
| Class | 2.2 |
| Subsidiary risk | - |
| Label(s) | 2.2 |
| Packing group | Not assigned. |
| Environmental hazards | |
| Marine pollutant | No. |
| Special precautions for user | Read safety instructions, SDS and emergency procedures before handling. |
| Packaging exceptions | 306 |
| Packaging non bulk | None |
| Packaging bulk | None |
| Other information | |
| Passenger and cargo | Allowed with restrictions. |
| aircraft | |
| Cargo aircraft only | Allowed with restrictions. |
| ΙΑΤΑ | |
| UN number | UN1950 |
| UN proper shipping name | Aerosols, non-flammable, Limited Quantity |
| Transport hazard class(es) | |
| Class | 2.2 |
| Subsidiary risk | - |
| Packing group | Not assigned. |
| ERG Code | 2L |
| | Read safety instructions, SDS and emergency procedures before handling. |
| Other information | |
| Passenger and cargo | Allowed with restrictions. |
| aircraft | |
| Cargo aircraft only IMDG | Allowed with restrictions. |
| | |
| UN number | UN1950 |
| UN proper shipping name | AEROSOLS, Limited Quantity |

| Transport hazard class(es) | |
|------------------------------|---|
| Class | 2.2 |
| Subsidiary risk | - |
| Packing group | Not assigned. |
| Environmental hazards | |
| Marine pollutant | No. |
| EmS | F-D, S-U |
| Special precautions for user | Read safety instructions, SDS and emergency procedures before handling. |

DOT; IMDG



15. Regulatory information

US federal regulations

| 0.1001-1053) |
|--|
| 0.1001-1053) |
| 0.1001-1053) |
| |
| |
| |
| |
| 1000 LBS |
| or above its RQ require immediate notification to the National gency Planning Committee. |
| |
| t. D) |
| 1.0 % One-Time Export Notification only. |
| JRs) (40 CFR 721) |
| Listed. |
| |
| (HAPs) List |
| |
| vention (40 CFR 68.130) |
| |
| |
| |

This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication

Superfund Amendments and Reauthorization Act of 1986 (SARA)

| Classified hazard categories | Gas under pressure Skin corrosion or irritation Serious eye damage or eye irritation Specific target organ toxicity (single or repeated exposure) |
|---------------------------------|--|
| | Aspiration hazard |

SARA 302 Extremely hazardous substance

Not listed.

SARA 311/312 Hazardous Yes chemical

SARA 313 (TRI reporting)

Not regulated.

US state regulations

US. California. Candidate Chemicals List. Safer Consumer Products Regulations (Cal. Code Regs, tit. 22, 69502.3, subd. (a))

trans-1,2-dichloroethylene (CAS 156-60-5)

US. New Jersey Worker and Community Right-to-Know Act

carbon dioxide (CAS 124-38-9) trans-1,2-dichloroethylene (CAS 156-60-5)

US. Massachusetts RTK - Substance List

carbon dioxide (CAS 124-38-9) trans-1,2-dichloroethylene (CAS 156-60-5)

US. Pennsylvania Worker and Community Right-to-Know Law

carbon dioxide (CAS 124-38-9) trans-1,2-dichloroethylene (CAS 156-60-5)

US. Rhode Island RTK

carbon dioxide (CAS 124-38-9) trans-1,2-dichloroethylene (CAS 156-60-5)

California Proposition 65

California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65): This material is not known to contain any chemicals currently listed as carcinogens or reproductive toxins. For more information go to www.P65Warnings.ca.gov.

Volatile organic compounds (VOC) regulations

EPA

| VOC content (40 CFR 51.100(s)) | 49.8 % | |
|--|--|---|
| Consumer products (40 CFR 59, Subpt. C) | Not regulated | |
| State | | |
| Consumer products | This product is regulated as a General Purpose Degreaser (aerosol). to be sold for use in California, Colorado, Connecticut, Delaware, Mar Hampshire, New York, Rhode Island, and the following counties in Uta Salt Lake, Tooele, Utah, and Weber. This product is compliant in all ot | yland, Michigan, New h: Box Elder, Cache, Davis, |
| VOC content (CA) | 95.8 % | |
| VOC content (OTC) | 49.8 % | |
| International Inventories | | |
| Country(s) or region | Inventory name | On inventory (yes/no)* |
| Australia | Australian Inventory of Industrial Chemicals (AICIS) | No |
| Canada | Domestic Substances List (DSL) | No |
| Canada | Non-Domestic Substances List (NDSL) | Yes |
| China | Inventory of Existing Chemical Substances in China (IECSC) | Yes |
| Europe | European Inventory of Existing Commercial Chemical Substances (EINECS) | No |
| Europe | European List of Notified Chemical Substances (ELINCS) | No |

| Country(s) or region | Inventory name | On inventory (yes/no)* |
|-----------------------------|---|------------------------|
| Japan | Inventory of Existing and New Chemical Substances (ENCS) | No |
| Korea | Existing Chemicals List (ECL) | Yes |
| New Zealand | New Zealand Inventory | No |
| Philippines | Philippine Inventory of Chemicals and Chemical Substances (PICCS) | No |
| Taiwan | Taiwan Chemical Substance Inventory (TCSI) | Yes |
| United States & Puerto Rico | Toxic Substances Control Act (TSCA) Inventory | Yes |

*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s) A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

16. Other information, including date of preparation or last revision

| Issue date Revision date Prepared by Version # Further information | 12-31-2019 04-04-2023 Allison Yoon 06 CRC # 1753562 |
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| Revision information | Product and Company Identification: Product and Company Identification Hazard(s) identification: Hazard statement Composition / Information on Ingredients: Component Summary Disposal considerations: Disposal instructions Disposal considerations: Hazardous waste code Regulatory information: Consumer products |