

1. Identification

Product name: Excel Cleaner Degreaser
Product code: DAC-205
Recommended use: Degreasing product
Restrictions on use: None known
Supplier: DAC Industries, Inc.
 1636 Gervais Avenue - Suite 9
 Maplewood, MN 55109, USA
 T +1 (651) 748-1750

Emergency number: (Chemical Spills, Leaks, Fire, Exposure or Accident only):
 CHEMTREC 1-800-424-9300 (in the US),
 1-703-527-3887 (Outside the US),
 Chemtrec - Mexico 01-800-681-9531

Issue date: 03/01/2023

2. Hazard(s) identification

Classification:

Physical hazards	Health hazards
Gases under pressure Compressed gas	Skin corrosion/irritation Category 2 Eye irritation Category 2 Skin sensitization, Category 1 Germ cell mutagenicity Category 2 Carcinogenicity Category 1A Specific target organ toxicity – Single exposure, Category 3, Narcosis

GHS US labeling:

Danger!



Hazard statements (GHS US)	Precautionary statements (GHS US)
H280 - Contains gas under pressure; may explode if heated H315 - Causes skin irritation H317 - May cause an allergic skin reaction H319 - Causes serious eye irritation H336 - May cause drowsiness or dizziness H341 - Suspected of causing genetic defects H350 - May cause cancer	P201 - Obtain special instructions before use. P202 - Do not handle until all safety precautions have been read and understood. P261 - Avoid breathing mist, spray, vapors. P264 - Wash hands thoroughly after handling. P271 - Use only outdoors or in a well-ventilated area. P272 - Contaminated work clothing must not be allowed out of the workplace.

P280 - Wear protective gloves, protective clothing, eye protection.
 P302+P352 - If on skin: Wash with plenty of soap and water.
 P333+P313 - If skin irritation or rash occurs: Get medical advice/attention.
 P362+P364 - Take off contaminated clothing and wash it before reuse.
 P304+P340 - If inhaled: Remove person to fresh air and keep comfortable for breathing.
 P312 - Call a poison center or doctor if you feel unwell.
 P305+P351+P338 - If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 P337+P313 - If eye irritation persists: Get medical advice/attention.
 P308+P313 - If exposed or concerned: Get medical advice/attention.
 P405 - Store locked up.
 P410+P403 - Protect from sunlight. Store in a well-ventilated place.
 P501 - Dispose of contents/container to an approved waste disposal plant.

3: Composition/Information on ingredients

Component	CAS-No.	Amount (%)
trichloroethylene, trichloroethene	79-01-6	80-90
Propan-2-ol, isopropyl alcohol, isopropanol	67-63-0	10-15
Carbon dioxide (CO ₂)	124-38-9	1-5
Proprietary Stabilizer	Proprietary	<1

*Chemical name, CAS number and/or exact concentration have been withheld as a trade secret

4. First-aid measures

Inhalation: Remove person to fresh air and keep comfortable for breathing. Call a poison center or a doctor if you feel unwell.

Skin: Wash skin with plenty of water and soap. Remove/Take off immediately all contaminated clothing. If skin irritation or rash occurs: Get medical advice/attention.

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.

Ingestion: Do NOT induce vomiting unless directed to do so by medical personnel. Rinse mouth out with water. Get medical advice/attention if you feel unwell.

Symptoms/effects: May cause drowsiness or dizziness. Causes eye irritation. Causes skin irritation. May cause an allergic skin reaction. Suspected of causing genetic defects. May cause cancer.

Immediate medical attention and special treatment, if necessary: None under normal conditions.

5. Fire-fighting measures

Suitable extinguishing media: Use extinguishing media appropriate for surrounding fire. Water spray. Dry powder. Foam. Carbon dioxide. Cool down the containers exposed to heat with a water spray.

Unsuitable extinguishing media: Do not use a solid water stream as it may scatter and spread fire. None.

Fire hazard: Contents under pressure. Keep away from open flames, hot surfaces and sources of ignition. Pressurized container: may burst if heated.

Special protective equipment and precautions for fire-fighters: Use shielding to protect from bursting cans. Do not attempt to take action without suitable protective equipment. Complete protective clothing. Self-contained breathing apparatus.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures: Ventilate spillage area. Do not breathe aerosol. Avoid contact with eyes, skin and clothing.

Methods and material for containment and cleaning up: Collect spillage. Leaking cans should be placed in a plastic bag or open pail until the pressure has dissipated. Absorb with an inert material and place in an appropriate waste disposal container. Dispose of materials or solid residues at an authorized site.

For further information refer to section 8: "Exposure controls/personal protection". For waste disposal after cleaning, see section 13.

7. Handling and storage

Precautions for safe handling: Do not handle until all safety precautions have been read and understood. Ensure adequate ventilation. Do not breathe aerosol. Avoid contact with eyes, skin and clothing. Use personal protective equipment as required. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Do not spray on an open flame or other ignition source. Pressurized container: Do not pierce or burn, even after use. Handle in accordance with good industrial hygiene and safety procedures.

Storage conditions: Keep away from heat and direct sunlight. Do not expose to temperatures exceeding 50 °C/ 122 °F. Protect from sunlight. Store in a well-ventilated place. U.F.C. (NFPA 30B) Level II Aerosol.

8. Exposure controls/personal protection

Exposure guidelines:	
Carbon dioxide (CO ₂)	9000 mg/m ³ TWA OSHA PEL; 5000 ppm TWA OSHA PEL; 5000 ppm TWA ACGIH TLV; 30000 ppm STEL ACGIH TLV;
trichloroethylene, trichloroethene	100 ppm TWA OSHA PEL; 200 ppm Ceiling OSHA; 10 ppm TWA ACGIH TLV; 25 ppm STEL ACGIH TLV;
Propan-2-ol, isopropyl alcohol, isopropanol	980 mg/m ³ TWA OSHA PEL; 400 ppm TWA OSHA PEL; 200 ppm TWA ACGIH TLV; 400 ppm STEL ACGIH TLV;
Proprietary Stabilizer	None established.

Appropriate engineering controls: Use with adequate general or local exhaust ventilation to maintain exposure levels below the occupational exposure limits.

Environmental exposure controls: Avoid release to the environment.

Personal protective equipment:

Hand protection: Wear suitable gloves

Eye protection: Use suitable eye protection

Skin and body protection: Wear suitable protective clothing

Respiratory protection: Not required for normal conditions of use. In operations where exposure limits are exceeded or exposure levels are excessive, an approved respirator should be used. Respirator selection and use should be based on contaminant type, form and concentration. Follow applicable regulations and good Industrial Hygiene practice.

9. Physical and chemical properties

Appearance: Aerosol spray can.

Physical state : Liquid

Color : Clear, colorless liquid

Odor : Solvents

Odor threshold : No data available

pH : No data available

Melting point : No data available

Freezing point : No data available

Boiling point : 85 °C (185 °F)

Flash point : No data available

Relative evaporation rate (butyl acetate=1) : No data available

Flammability : Not applicable.

Vapor pressure : No data available

Relative vapor density at 20°C : No data available

Relative density : 1.25

No additional information available

Solubility : Not miscible.

Partition coefficient n-octanol/water (Log Pow) : No data available

Auto-ignition temperature : No data available

Decomposition temperature : No data available

Viscosity, kinematic : No data available

Viscosity, dynamic : No data available

Explosion limits : No data available

Explosive properties : No data available

Oxidizing properties : Not oxidising.

10. Stability and reactivity

Reactivity: Contains gas under pressure; may explode if heated.

Chemical stability: Stable under normal conditions.

Possibility of hazardous reactions: No dangerous reactions known under normal conditions of use.

Conditions to avoid: Avoid contact with hot surfaces. Heat. Direct sunlight.

Incompatible materials : Strong oxidizing agents. Acids. Strong bases. Strong reducing agents.

Hazardous decomposition products: Under normal conditions of storage and use, hazardous decomposition products should not be produced.

11. Toxicological information

Inhalation: May cause respiratory irritation.

Skin: Causes skin irritation. May cause an allergic skin reaction.

Eyes: Causes serious eye irritation.

Ingestion: Not expected to present a significant ingestion hazard under anticipated conditions of normal use. Irritation to the digestive tract.

Chronic symptoms: May cause cancer. Suspected of causing genetic defects.

Carcinogenicity: May cause cancer.
 Carbon dioxide (CO₂): This component is not listed as a carcinogen or suspected carcinogen by IARC, NTP, ACGIH, or OSHA.
 trichloroethylene, trichloroethene: IARC 1 - Carcinogenic to humans; NTP Known Human Carcinogens;
 Propan-2-ol, isopropyl alcohol, IARC 3 - Not classifiable;
 isopropanol:
 Proprietary Stabilizer: This component is not listed as a carcinogen or suspected carcinogen by IARC, NTP, ACGIH, or OSHA.
Germ cell mutagenicity: Suspected of causing genetic defects.
Reproductive toxicity: Not classified

Acute toxicity (oral) : Not classified
Acute toxicity (dermal) : Not classified
Acute toxicity (inhalation) : Not classified

Numerical measures of toxicity:

The following are the toxicity values for the components:

Carbon dioxide (CO₂) No data available
 trichloroethylene, trichloroethene 5620 mg/kg LD50 oral rat
 > 20000 mg/kg LD50 dermal rabbit
 67.17 mg/l/4h LC50 Inhalation – Rat
 12500 ppm LC50 Inhalation – Rat
 Propan-2-ol, isopropyl alcohol, 5840 mg/kg LD50 oral rat
 isopropanol 16.4 ml/kg LD50 dermal rabbit
 1666.66 ppm/1h LC50 Inhalation - Rat
 Proprietary Stabilizer No data available

Skin corrosion/irritation Causes skin irritation.
Serious eye damage/irritation Causes serious eye irritation.
Respiratory or skin sensitization May cause an allergic skin reaction.
STOT-single exposure May cause drowsiness or dizziness.
STOT-repeated exposure Not classified
Aspiration hazard Not classified

12. Ecological information

Ecology - general: Harmful to aquatic life with long lasting effects.

Ecotoxicity:

trichloroethylene, trichloroethene 16 mg/l LC50 – Fish; 28.3 mg/l LC50 – Fish
 14 mg/l EC50 – Crustacea; 20.8 mg/l EC50 - Crustacea
 36.5 mg/l EC50 72h – Algae
 5.76 mg/l *Jordanella floridae* Duration: '10 d' NOEC chronic fish
 Propan-2-ol, isopropyl alcohol, 10000 mg/l *Pimephales promelas* (Fathead minnow) LC50 - Fish
 isopropanol 9640 mg/l *Pimephales promelas* (Fathead minnow) LC50 – Fish
 > 10000 mg/l EC50 – Crustacea
 3.37 mg/l NOEC chronic crustacea

Persistence and degradability: No data available
 Propan-2-ol, isopropyl alcohol, isopropanol: Readily biodegradable.

Bioaccumulative potential: No data available
 Propan-2-ol, isopropyl alcohol, isopropanol: BCF Fish - 3; Log KOW0.05

Mobility in soil: No data available

Other adverse effects:

No data available

13. Disposal considerations

Regional legislation (waste): Dispose of in accordance with applicable federal, state, and local regulations.

Additional information: Empty containers retain product residue and can be hazardous.

14. Transport information

Department of Transportation (DOT)

Proper Shipping Name (DOT) : Aerosols
UN-No.(DOT) : UN1950
Class (DOT) : 2.2
Packing group (DOT) : Not applicable
Hazard labels (DOT) : Non-flammable gas

Transport by sea

Proper Shipping Name (IMDG) : AEROSOLS
UN-No. (IMDG) : 1950
Class (IMDG) : 2
Packing group (IMDG) : Not applicable

Air transport

Proper Shipping Name (IATA) : Aerosols, non-flammable
UN-No. (IATA) : 1950
Class (IATA) : 2
Packing group (IATA) : Not applicable

15. Regulatory information

SARA Section 313 - Emission Reporting: Chemical(s) subject to the reporting requirements of Section 313 or Title III of the Superfund Amendments and Reauthorization Act (SARA) of 1986 and 40 CFR Part 372.

trichloroethylene, trichloroethene	79-01-6	80-90%
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CERCLA Section 103:


trichloroethylene, trichloroethene	79-01-6	100 lb
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SARA 302:

Not applicable

SARA Section 311/312 Hazard Classes: Refer to Section 2 for OSHA Hazard Classification.

California Proposition 65:

 **WARNING:** This product can expose you to trichloroethylene, trichloroethene, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

TSCA: All components of this product are present and listed as Active on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory.

16. Other information

Issue date : 03/01/2023

Indication of changes:

new version.

NOTICE

The information contained herein has been developed based upon current available scientific data. New information may be developed from time to time which may render the conclusions of this report obsolete. Therefore, no warranty is extended as to the applicability of this information to the user's intended purpose or the consequences of its use or misuse.