

1. Identification

Product name: Anti-Static Hopper Cleaner
Product code: DAC-219
Recommended use: Cleaning agent, Cleaner
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: 04/06/2023

2. Hazard(s) identification

Classification:

Physical hazards	Health hazards
Flammable aerosol Category 1 Gases under pressure Compressed gas	Eye irritation Category 2 Specific target organ toxicity – Single exposure, Category 3, Narcosis

GHS US labeling:

Danger!



Hazard statements (GHS US)	Precautionary statements (GHS US)
H222 - Extremely flammable aerosol H280 - Contains gas under pressure; may explode if heated H319 - Causes serious eye irritation H336 - May cause drowsiness or dizziness	P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. P211 - Do not spray on an open flame or other ignition source. P251 - Pressurized container: Do not pierce or burn, even after use. P261 - Avoid breathing vapors, spray. P264 - Wash hands thoroughly after handling. P271 - Use only outdoors or in a well-ventilated area. P280 - Wear eye protection. 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.
 P403 - Store in a well-ventilated place.
 P405 - Store locked up.
 P410+P412 - Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.
 P501 - Dispose of contents/container to an approved waste disposal plant.

3: Composition/Information on ingredients

Component	CAS-No.	Amount (%)
Propan-2-ol, isopropyl alcohol, isopropanol	67-63-0	90-95
Carbon dioxide (CO2) (Propellant gas (Aerosol))	124-38-9	1-5

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. If skin irritation 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: Ingestion is not considered a potential route of exposure. No first aid should be needed. Call a POISON CENTER or doctor/physician if you feel unwell.

Symptoms/effects: Causes eye irritation. May cause slight irritation to the skin. High concentration of vapors may induce: headache, nausea, dizziness.

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

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: None.

Fire hazard: Extremely flammable aerosol. Contents under pressure. Keep away from open flames, hot surfaces and sources of ignition. Pressurized container: may burst if heated. Vapors are heavier than air and may travel considerable distance to an ignition source and flash back to source of vapors.

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 skin, eyes 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: Ensure adequate ventilation. Avoid breathing spray, vapors. Avoid contact with eyes. 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: Do not expose to temperatures exceeding 50 °C/ 122 °F. Protect from sunlight. Store in a well-ventilated place. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. 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;
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;

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

Environmental exposure controls: Do not allow product to spread into the environment.

Personal protective equipment:

Hand protection: None under normal use. In case of repeated or prolonged contact wear 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 : White

Odor : Alcohol

Odor threshold : No data available

pH : No data available

Melting point : No data available

Freezing point : No data available

Boiling point : No data available

Flash point : < 12 °C (53.6 °F)

Relative evaporation rate (butyl acetate=1)	: No data available	Decomposition temperature	: No data available
Flammability	: Extremely flammable aerosol.	Viscosity, kinematic	: No data available
Vapor pressure	: 57300 hPa	Viscosity, dynamic	: No data available
Relative vapor density at 20°C	: No data available	Explosion limits	: Lower explosion limit: 1.1 vol % Upper explosion limit: 12 vol %
Relative density	: No data available	Explosive properties	: No data available
Solubility	: completely miscible.	Oxidizing properties	: Not oxidising.
Partition coefficient n-octanol/water (Log Pow)	: No data available		
Auto-ignition temperature	: 425 °C (797 °F)		
No additional information available			

10. Stability and reactivity

Reactivity: Extremely flammable aerosol.

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. No flames, no sparks. Eliminate all sources of ignition.

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: Depression of the central nervous system, headaches, dizziness, drowsiness, loss of coordination.

Skin: None under normal use. May cause slight irritation to the skin.

Eyes: Causes serious eye irritation.

Ingestion: Not expected to present a significant ingestion hazard under anticipated conditions of normal use. Ingestion may cause nausea and vomiting. Depression of the central nervous system, headaches, dizziness, drowsiness, loss of coordination.

Chronic symptoms: No chronic health hazards are likely for this material.

Carcinogenicity: Not classified
(This product does not contain any component that is considered a carcinogen by IARC, ACGIH, OSHA or NTP.)

Propan-2-ol, isopropyl alcohol, isopropanol: IARC 3 - Not classifiable;

Germ cell mutagenicity: Not classified

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 (CO ₂)	No data available
Propan-2-ol, isopropyl alcohol, isopropanol	5840 mg/kg LD50 oral rat 16.4 ml/kg LD50 dermal rabbit 1666.66 ppm/1h LC50 Inhalation - Rat
Skin corrosion/irritation	Not classified
Serious eye damage/irritation	Causes serious eye irritation.
Respiratory or skin sensitization	Not classified
STOT-single exposure	May cause drowsiness or dizziness.
STOT-repeated exposure	Not classified
Aspiration hazard	Not classified

12. Ecological information

Ecology - general: The product is not considered harmful to aquatic organisms or to cause long-term adverse effects in the environment.

Ecotoxicity:

Propan-2-ol, isopropyl alcohol, isopropanol	10000 mg/l Pimephales promelas (Fathead minnow) LC50 – Fish 9640 mg/l Pimephales promelas (Fathead minnow) LC50 – Fish > 10000 mg/l EC50 - Crustacea 3.37 mg/l NOEC chronic crustacea
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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: Flammable vapors may accumulate in the container.

14. Transport information**Department of Transportation (DOT)**

Proper Shipping Name (DOT)	: Aerosols
UN-No.(DOT)	: UN1950
Class (DOT)	: 2.1

Packing group (DOT) : Not applicable
Hazard labels (DOT) : Flammable gas

Transport by sea

Proper Shipping Name (IMDG) : AEROSOLS
UN-No. (IMDG) : 1950
Class (IMDG) : 2.1
Packing group (IMDG) : Not applicable

Air transport

Proper Shipping Name (IATA) : Aerosols, flammable
UN-No. (IATA) : 1950
Class (IATA) : 2.1
Packing group (IATA) : Not applicable

15. Regulatory information

SARA Section 313 - Emission Reporting: This product or mixture is not known to contain a toxic chemical or chemicals in excess of the applicable de minimis concentration as specified in 40 CFR §372.38(a) subject to the reporting requirements of section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372.

CERCLA Section 103:

This product is not subject to reporting under CERCLA. However, many states have more stringent reporting requirements. Report all spills in accordance with local, state, and federal regulations.

SARA 302:

Not applicable

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

California Proposition 65:

California Proposition 65 - This product does not contain any substances known to the state of California to cause cancer, developmental and/or reproductive harm

TSCA: All components of this product are listed, or excluded from listing, on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory.

16. Other information

Issue date : 04/06/2023

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.