



Safety Data Sheet

OSHA Hazard Communication Standard
29 CFR 1910.1200. Prepared to GHS Rev 3.

Trade name: VoltCool Dielectric Coolant

Product. No: VC-300

Document VC300-SDS(GHS)
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Section 1: Identification of the Substance/Mixture and of the Company/Undertaking

GHS Product Identifier VoltCool Dielectric Coolant VC-300

Other Means of Identification Not Available

Product Number VC-300

Relevant identified uses of the substance or mixture and uses advised against
Dielectric heat transfer fluid

Uses advised against: None

Supplier Details:

Company Name: Chemfoundry, Inc.
Company Address: 4548 Cantina Drive
Tyler, TX 75708
Telephone: +1-281-766-4501
Emergency Telephone: Call Infotrac, Inc., 1-352-323-3500
Email: support@engineeredfluids.com
Company Contact Name: David Sundin

Section 2: Hazards Identification

OSHA/HCS status: While this material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200), this SDS contains valuable information critical to the safe handling and proper use of the product. This SDS should be retained and available for employees and other users of this product.

Classification of the substance or mixture: Not classified.

GHS label elements

Signal word: No signal word.
Hazard statements: No known significant effects or critical hazards.

Precautionary statements

General: Read label before use. Keep out of reach of children. If medical advice is needed, have product container or label at hand.

Prevention: Not applicable.

Response: Not applicable.

Storage: Not applicable.

Disposal: Not applicable.

Hazards not otherwise classified: None known.

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Section 3. Composition/Information on Ingredients

Substance/mixture: Substance is 100% synthetic hydrocarbon.

Other means of identification: Not available.

CAS number/other identifiers:
CAS number: Not applicable.

Product code: Not available.

There are no ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section. Occupational exposure limits, if available, are listed in Section 8.

Section 4. First Aid Measures

Description of first aid measures

Inhalation: Unlikely to occur due to the low vapor pressure of the substance.

Skin: Wash with soap and water. Obtain medical attention if irritation develops.

Eyes: Irrigate with copious amounts of water. Obtain medical attention if irritation develops.

Ingestion: Do not induce vomiting, obtain medical attention.

Most important symptoms and effects, both acute and delayed

No adverse effects expected.

Indication of any immediate medical attention and special treatment needed

No special treatment required.

Most important symptoms/effects, acute and delayed

Potential acute health effects

Eye contact: No known significant effects or critical hazards.

Inhalation: No known significant effects or critical hazards.

Skin contact: No known significant effects or critical hazards.

Ingestion: No known significant effects or critical hazards.

Over-exposure signs/symptoms

Eye contact: No known significant effects or critical hazards.

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Inhalation:	No known significant effects or critical hazards.
Skin contact:	No known significant effects or critical hazards.
Ingestion:	No known significant effects or critical hazards.

Indication of immediate medical attention and special treatment needed, if necessary
Notes to physician: Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.

Specific treatments: No specific treatment.

Protection of first-responders: No action shall be taken involving any personal risk or without suitable training. See toxicological information (Section 11)

Section 5. Fire Fighting Measures

Extinguishing media: Carbon dioxide, dry powder, foam or water fog. Do not use water jets.

Special hazards arising from the substance or mixture: None.

Advice for fire fighters: Self-contained breathing apparatus may be required.

Section 6. Accidental Release Measures

Personal precautions, protective equipment and emergency procedures:
Spilled product constitutes a slip hazard. Avoid contact with skin and eyes.

Environmental precautions:

Do not contaminate any lakes, streams, ponds, groundwater or soil. Avoid flushing into drains. In the event of a large spillage contain product as thoroughly as possible and dispose of in accordance with local regulations.

Methods and material for containment and cleaning up:

Small spill: Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.

Large spill: Stop leak if without risk. Move containers from spill area. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible,
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absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see Section 13). Dispose of via a licensed waste disposal contractor. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.

7. Handling and Storage

Conditions for safe storage, including any incompatibilities: Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

Advice on general occupational hygiene: Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. See also Section 8 for additional information on hygiene measures.

8. Exposure Controls/ Personal Protection

Control parameters: No relevant control parameters.

Exposure controls

Eye wash stations should be available for emergency use.

Respiratory protection: None required. Good general ventilation should be sufficient to control worker exposure to airborne contaminants

Skin protection: Hand protection: Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary.

Body protection: Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

Other skin protection: Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

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Section 9. Physical and Chemical Properties

Appearance:	clear liquid.
Odor:	None.
pH:	Not applicable.
Freezing point:	-46°C.
Initial boiling point and boiling range:	>300°C.
Flash point (ASTM D92, °C)	180
Upper/lower flammability or explosive limits:	Data not available.
Vapor pressure:	Extremely low. Products will not evaporate
Vapor density:	Not applicable.
Relative density:	0.81 at 20°C.
Water solubility:	<1mg/l.
Partition coefficient:	Data not available.
Auto-ignition temperature:	>400 C. Product will decompose before auto-ignition
Decomposition temperature:	350 – 375 C.
Kinematic Viscosity, cSt @ 40 °C:	9.6
Explosive properties:	Non-explosive.
Oxidizing properties:	Non-oxidizing.

Section 10. Stability and reactivity

Reactivity: No specific test data related to reactivity available for this product or its ingredients.

Chemical stability: The product is stable.

Possibility of hazardous reactions: Under normal conditions of storage and use, hazardous reactions will not occur.

Conditions to avoid: Excessive heat.

Incompatible materials: Reactive or incompatible with the following materials: strong oxidizers.

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

Section 11. Toxicological Information

Likely routes of exposure: Skin and eyes are the most likely routes for exposure.
Accidental ingestion may occur.

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Inhalation is not expected to be a relevant route of exposure.

Product is non-toxic.

Acute oral toxicity: Low toxicity

Acute dermal toxicity: Low toxicity.

Acute inhalation toxicity: Low volatility makes inhalation unlikely.

Skin corrosion/irritation: Not irritating.

Eye corrosion/irritation: Not irritating.

Respiratory or skin sensitization: Not sensitizing.

Aspiration hazard: Not considered an aspiration hazard.

Carcinogenicity/mutagenicity: Not considered a mutagenic hazard or carcinogen.

When used and/or disposed of as indicated no adverse environmental effects are foreseen.

Ecotoxicological effects based on knowledge of similar substances.

12. Ecological Information

Toxicity

This substance is not considered to pose a hazard to aquatic organisms.

Persistence and degradability

Readily biodegradable,

OECD 301F % degraded in 28 days:: >95

Bioaccumulative potential

No potential for bioaccumulation.

Mobility in soil

Product has low mobility in soil.

Results of PBT and vPvB assessment

The product does not meet criteria for toxicity which requires further assessment. It is not considered PBT or vPvB.

Other adverse effects

No other adverse effects envisaged.

Section 13. Disposal Considerations

Waste treatment methods

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Disposal methods: The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

Section 14. Transport Information

UN number

DOT, ADN, IMDG, IATA: Non-regulated material

ADR: Non-regulated material

UN proper shipping name:

DOT, ADR, ADN, IMDG, IATA: Non-regulated material

Transport hazard class(es)

DOT, ADR, ADN, IMDG, IATA: Non-regulated material

Packaging Group

DOT, ADR, IMDG, IATA: Non-regulated material

Environmental hazards

Marine pollutant: No

Special precautions for users: None

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Transport within user's premises: always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

Section 15. Regulatory information

Safety, health and environmental regulations specific for the product.

USA:

United States Federal Regulations: This SDS complies with the OSHA, 29 CFR

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1910.1200. The product is not hazardous under OSHA.

Toxic Substances Control Act (TSCA) – All components of this product are on the TSCA Inventory or are exempt from TSCA Inventory requirements under 40 CFR 720.30.

SARA Superfund and Reauthorization Act of 1986 Title III sections 302, 311, 312 and 313: Section 302 – No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

CERCLA Hazardous Substance List, 40 CFR 302.4: None listed.

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130): None listed.

Clean Water Act Section 311 Hazardous Substances (40 CFR 117.3): None listed.

SARA Title III

Section 302 Extremely Hazardous Substance (40 CFR 355, Appendix A): None listed.

Section 311/312 (40 CFR 370):

Acute Health Hazard:	No
Chronic Health Hazard:	No
Fire Hazard:	No
Pressure Hazard:	No
Reactivity Hazard:	No

Section 313 Toxic Release Inventory (40 CFR 372):

This product contains the following materials that are subject to the reporting requirements of Section 313 of EPCRA: None

STATE REGULATIONS:

This SDS contains specific health and safety data is applicable for state requirements. For details on your regulatory requirements you should contact the appropriate agency in your state.

California Proposition 65 (California Safe Drinking Water and Toxic Enforcement Act of 1986: None of the components are listed on Prop 65 as a carcinogen.

Massachusetts Right to Know: None of the components are listed on the Massachusetts Right to Know List.

Minnesota Hazardous Substance List: None of the components are listed on the Minnesota Hazardous Substance List.

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New Jersey Right to Know: None of the components are listed on the New Jersey Right to Know list.

Pennsylvania Right to Know: None of the components are listed on the Pennsylvania Right to Know List.

Canada WHMIS Hazard Class: Not hazardous under WHMIS

Section 16. Other information

Hazardous Material Information System (U.S.A.)

Health: 0 Flammability: 1 Physical hazards: 0

Caution: HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. Although HMIS® ratings are not required on SDSs under 29 CFR 1910.1200, the preparer may choose to provide them.

National Fire Protection Association (U.S.A.) Health: 0 Flammability: 1 Instability: 0

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16. Other Information

Version Record:

20190203

Original Version

02/03/2019

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