

# SAFETY DATA SHEET (SDS)

**Manufacturer:**

MicroCare

**Product Name:**

MicroCare Sticklers™ Pro360™ Fiber Optic Connector Cleaner

**Manufacturer Part Number:**

MCC-P360

▶ Click here for more details on the MicroCare Sticklers™ Pro360™ Fiber Optic Connector Cleaner

## SAFETY DATA SHEET

This safety data sheet was created pursuant to the requirements of:  
US OSHA Hazard Communication Standard (29 CFR 1910.1200)



Revision date 01/26/2024

Revision Number 1.04

### 1. Identification

**Product identifier**

**Product Name** HIGH-PURITY FIBER CLEANING FLUID

**Other means of identification**

**Safety data sheet number** BULK-PRO360SOL

**Product Code(s)** MCC-P360SOL

**UN number or ID number** Not Classified as Dangerous for Transport

**Synonyms** Pro360 Solvent, Prototype 22-66-9

**Recommended use of the chemical and restrictions on use**

**Recommended use** Cleaning agent For industrial use only

**Restrictions on use** No information available

**Details of the supplier of the safety data sheet****Manufacturer Address**

MICROCARE LLC  
595 John Downey Drive  
New Britain, CT 06051  
United States of America  
CAGE: OATV9  
Tel: + 1 800 638 0125, +1 860-827-0626  
techsupport@microcare.com

**E-mail** techsupport@microcare.com

**Emergency telephone number**

**Emergency Telephone** INFOTRAC 1-800-535-5053 (U.S.A and CANADA)  
1-352-323-3500 (from anywhere in the world)

### 2. Hazard(s) identification

**Classification**

Acute toxicity - Oral	Not applicable
Acute toxicity - Dermal	Not applicable
Acute toxicity - Inhalation (Vapors)	Category 4
Skin corrosion/irritation	Not applicable
Serious eye damage/eye irritation	Not applicable

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**Hazards not otherwise classified (HNOC)**

Not applicable

**Label elements****Warning****Hazard statements**

Harmful if inhaled

**Precautionary Statements - Prevention**

Avoid breathing dust/fume/gas/mist/vapors/spray  
Use only outdoors or in a well-ventilated area

**Precautionary Statements - Response**

IF INHALED: Remove person to fresh air and keep comfortable for breathing  
Call a POISON CENTER or doctor if you feel unwell

**Other information**

Toxic to aquatic life.

**3. Composition/information on ingredients****Substance**

Not applicable.

**Mixture**

Chemical name	CAS No.	Weight-%	Trade secret
Methyl Nonafluorobutyl Ether	163702-08-7	25 - <50%	*
Methyl Nonafluorobutyl Ether	163702-07-6	25 - <50%	*
(Z)-1-chloro-2,3,3-trifluoropropene	1263679-68-0	5 - <10%	*
HEPTANE	142-82-5	5 - <10%	*
(E)-1-chloro-2,3,3-trifluoropropene	1263679-71-5	1 - <2.5%	*

\*The exact percentage (concentration) of composition has been withheld as a trade secret.

**4. First-aid measures****Description of first aid measures****General advice**

Show this safety data sheet to the doctor in attendance.

**Inhalation**

Remove to fresh air. If symptoms persist, call a physician. If breathing has stopped, give artificial respiration. Get medical attention immediately.

**Eye contact**

Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a physician.

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Skin contact	Wash skin with soap and water.
Ingestion	Do NOT induce vomiting. Rinse mouth. Never give anything by mouth to an unconscious person. Get medical attention.
Self-protection of the first aider	Ensure that medical personnel are aware of the material(s) involved, take precautions to protect themselves and prevent spread of contamination. Avoid breathing vapors or mists. Use personal protective equipment as required. See section 8 for more information.
<b><u>Most important symptoms and effects, both acute and delayed</u></b>	
Symptoms	Coughing and/ or wheezing. Difficulty in breathing.
Effects of Exposure	No information available.
<b><u>Indication of any immediate medical attention and special treatment needed</u></b>	
Note to physicians	Treat symptomatically.

## 5. Fire-fighting measures

Suitable Extinguishing Media	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
Large Fire	CAUTION: Use of water spray when fighting fire may be inefficient.
Unsuitable extinguishing media	Do not scatter spilled material with high pressure water streams.
Specific hazards arising from the chemical	No information available.
Explosion data	
Sensitivity to mechanical impact	None.
Sensitivity to static discharge	None.
Special protective equipment and precautions for fire-fighters	Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protection equipment.

## 6. Accidental release measures

<b><u>Personal precautions, protective equipment and emergency procedures</u></b>	
Personal precautions	Ensure adequate ventilation. Avoid breathing vapors or mists. Use personal protective equipment as required.
Other information	Refer to protective measures listed in Sections 7 and 8.
<b><u>Methods and material for containment and cleaning up</u></b>	
Methods for containment	Prevent further leakage or spillage if safe to do so.
Methods for cleaning up	Pick up and transfer to properly labeled containers.

## 7. Handling and storage

<b><u>Precautions for safe handling</u></b>	
Advice on safe handling	Handle in accordance with good industrial hygiene and safety practice. Avoid breathing

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vapors or mists. Ensure adequate ventilation. In case of insufficient ventilation, wear suitable respiratory equipment. Do not eat, drink or smoke when using this product.

**Conditions for safe storage, including any incompatibilities****Storage Conditions**

Keep containers tightly closed in a dry, cool and well-ventilated place. Keep out of the reach of children.

**8. Exposure controls/personal protection****Control parameters****Exposure Limits**

The following ingredients are the only ingredients of the product above the cut-off level (or level that contributes to the hazard classification of the mixture) which have an exposure limit applicable in the region for which this safety data sheet is intended or other recommended limit. At this time, the other relevant constituents have no known exposure limits from the sources listed here.

Chemical name	Supplier OEL
(Z)-1-chloro-2,3,3-trifluoropropene 1263679-68-0	TWA: 250 ppm

**Appropriate engineering controls****Engineering controls**

Showers  
Eyewash stations  
Ventilation systems.

**Individual protection measures, such as personal protective equipment****Eye/face protection**

No special protective equipment required.

**Skin and body protection**

No special protective equipment required.

**Respiratory protection**

No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.

**General hygiene considerations**

Do not eat, drink or smoke when using this product.

**9. Physical and chemical properties****Information on basic physical and chemical properties**

Physical state	Liquid
Appearance	Clear liquid
Color	Water-white
Odor	Slight Ether
Odor threshold	No information available

**Property**

pH

**Values**

No data available

**Remarks • Method**

None known

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pH (as aqueous solution)			None known
Melting point / freezing point			None known
Initial boiling point and boiling range	56 °C / 132.8 °F		56°C/132.8°F
Flash point	No data available	Not Flammable	Pensky-Martens Closed Cup (PMCC) ASTM D 93
Evaporation rate	No data available		None known
Flammability	No data available		Not flammable
Flammability Limit in Air			None known
Upper flammability or explosive limits	No data available		
Lower flammability or explosive limits	No data available		
Vapor pressure	24.7 kPa @ 25°C, Calculated		None known
Relative vapor density	No data available		None known
Relative density	1.39		None known
Water solubility			None known
Solubility(ies)	No data available		None known
Partition coefficient	No data available		None known
Autoignition temperature	No data available		None known
Decomposition temperature			None known
Kinematic viscosity	No data available		None known
Dynamic viscosity	No data available		None known

**Other information**

Volatility	100%, Volatile
Explosive properties	No information available
Oxidizing properties	No information available
Softening point	No information available
Molecular weight	No information available
Liquid Density	1.39
Bulk density	No information available

**10. Stability and reactivity**

Reactivity	No information available.
Chemical stability	Stable under normal conditions.
Possibility of hazardous reactions	None under normal processing.
Conditions to avoid	Excessive heat.
Incompatible materials	None known based on information supplied.
Hazardous decomposition products	None known based on information supplied.

**11. Toxicological information****Information on likely routes of exposure****Product Information**

Inhalation	Specific test data for the substance or mixture is not available. Harmful by inhalation. (based on components).
Eye contact	Specific test data for the substance or mixture is not available.
Skin contact	Specific test data for the substance or mixture is not available.
Ingestion	Specific test data for the substance or mixture is not available.

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Symptoms related to the physical, chemical and toxicological characteristics

**Symptoms** Coughing and/ or wheezing.

**Acute toxicity** Harmful by inhalation.

**Numerical measures of toxicity**

No information available

The following values are calculated based on chapter 3.1 of the GHS document

Delayed and immediate effects as well as chronic effects from short and long-term exposure

**Skin corrosion/irritation** No information available.

**Serious eye damage/eye irritation** No information available.

**Respiratory or skin sensitization** No information available.

**Germ cell mutagenicity** No information available.

**Carcinogenicity** No information available.

**Reproductive toxicity** No information available.

**STOT - single exposure** No information available.

**STOT - repeated exposure** No information available.

**Aspiration hazard** No information available.

**Other adverse effects** No information available.

**Interactive effects** No information available.

## 12. Ecological information

**Ecotoxicity** Toxic to aquatic life.

**Persistence and degradability** No information available.

**Bioaccumulation**

**Component Information**

Chemical name	Partition coefficient
(Z)-1-chloro-2,3,3-trifluoropropene 1263679-68-0	1.9

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Other adverse effects No information available.

### 13. Disposal considerations

#### Disposal methods

Waste from residues/unused products Dispose of in accordance with local regulations. Dispose of waste in accordance with environmental legislation.

Contaminated packaging Do not reuse empty containers.

### 14. Transport information

#### DOT

UN number or ID number	Not Classified as Dangerous for Transport
Proper shipping name	Not regulated
Transport hazard class(es)	Not Applicable
Packing group	Not Applicable

#### TDG

UN number or ID number	Not Classified as Dangerous for Transport
UN proper shipping name	Not regulated
Transport hazard class(es)	Not Applicable
Packing group	Not Applicable

#### MEX

UN number or ID number	Not Classified as Dangerous for Transport
UN proper shipping name	Not regulated
Transport hazard class(es)	Not Applicable
Packing group	Not Applicable

#### ICAO (air)

UN number or ID number	Not Classified as Dangerous for Transport
UN proper shipping name	Not regulated
Transport hazard class(es)	Not Applicable
Packing group	Not Applicable

#### IATA

UN number or ID number	Not Classified as Dangerous for Transport
UN proper shipping name	Not applicable
Transport hazard class(es)	Not Regulated
Packing group	Not Applicable

#### IMDG

UN number or ID number	Not Classified as Dangerous for Transport
UN proper shipping name	Not applicable
Transport hazard class(es)	Not Regulated
Packing group	Not Applicable

### 15. Regulatory information

#### International Inventories

##### TSCA

TSCA: The ingredients of this product are listed on the active TSCA Inventory.

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Chemical name	CAS No.	Inventory Listing Status	Commercial Activity Designation
Methyl Nonafluorobutyl Ether	163702-07-6	Present	Active
Methyl Nonafluoroisobutyl Ether	163702-08-7	Present	Active
(Z)-1-chloro-2,3,3-trifluoropropene	1263679-68-0	Present	Active
HEPTANE	142-82-5	Present	Active
(E)-1-chloro-2,3,3-trifluoropropene	1263679-71-5	Present	Active

\*Contact supplier for details. One or more substances in this product are either not listed on the US TSCA inventory, listed on the confidential US TSCA inventory or are otherwise exempted from inventory listing requirements

**TSCA 12(b)**

Chemical name	U.S. - TSCA (Toxic Substances Control Act) - Section 12(b) - Export Notification
Methyl Nonafluoroisobutyl Ether	Listed
Methyl Nonafluorobutyl Ether	Listed
HEPTANE	Listed

**DSL/NDSL**

Listed on NDSL.

**EINECS/ELINCS**

Complies.

**ENCS**

Complies.

**IECSC**

Contact supplier for inventory compliance status.

**KECL**

Contact supplier for inventory compliance status.

**PICCS**

Contact supplier for inventory compliance status.

**AIIC**

Contact supplier for inventory compliance status.

**NZIoC**

Contact supplier for inventory compliance status.

**Legend:****TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory**DSL/NDSL** - Canadian Domestic Substances List/Non-Domestic Substances List**EINECS/ELINCS** - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances**ENCS** - Japan Existing and New Chemical Substances**IECSC** - China Inventory of Existing Chemical Substances**KECL** - Korean Existing and Evaluated Chemical Substances**PICCS** - Philippines Inventory of Chemicals and Chemical Substances**AIIC** - Australian Inventory of Industrial Chemicals**NZIoC** - New Zealand Inventory of Chemicals**US Federal Regulations****SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

**SARA 311/312 Hazard Categories**

Should this product meet EPCRA 311/312 Tier reporting criteria at 40 CFR 370, refer to Section 2 of this SDS for appropriate classifications.

**CWA (Clean Water Act)**

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

**CERCLA**

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material.

**US State Regulations****California Proposition 65**

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This product does not contain any Proposition 65 chemicals.

**U.S. State Right-to-Know Regulations**

This product does not contain any substances regulated under applicable state right-to-know regulations

**U.S. EPA Label Information**

**EPA Pesticide Registration Number** Not applicable

**16. Other information**

<b>NFPA</b>	<b>Health hazards</b> 2	<b>Flammability</b> 0	<b>Instability</b> 0	<b>Special hazards</b> -
<b>HMIS</b>	<b>Health hazards</b> 2	<b>Flammability</b> 0	<b>Physical hazards</b> 0	<b>Personal protection</b> X

**Key or legend to abbreviations and acronyms used in the safety data sheet****Legend Section 8: Exposure controls/personal protection**

TWA	TWA (time-weighted average)	STEL	STEL (Short Term Exposure Limit)
Ceiling	Maximum limit value	Sk*	Skin designation

**Key literature references and sources for data used to compile the SDS**

Agency for Toxic Substances and Disease Registry (ATSDR)  
U.S. Environmental Protection Agency ChemView Database  
European Food Safety Authority (EFSA)  
Environmental Protection Agency  
Acute Exposure Guideline Level(s) (AEGl(s))  
U.S. Environmental Protection Agency Federal Insecticide, Fungicide, and Rodenticide Act  
U.S. Environmental Protection Agency High Production Volume Chemicals  
Food Research Journal  
Hazardous Substance Database  
International Uniform Chemical Information Database (IUCLID)  
National Institute of Technology and Evaluation (NITE)  
Australia National Industrial Chemicals Notification and Assessment Scheme (NICNAS)  
NIOSH (National Institute for Occupational Safety and Health)  
National Library of Medicine's ChemID Plus (NLM CIP)  
National Library of Medicine's PubMed database (NLM PUBMED)  
U.S. National Toxicology Program (NTP)  
New Zealand's Chemical Classification and Information Database (CCID)  
Organization for Economic Co-operation and Development Environment, Health, and Safety Publications  
Organization for Economic Co-operation and Development High Production Volume Chemicals Program  
Organization for Economic Co-operation and Development Screening Information Data Set  
World Health Organization

**Revision date** 01/26/2024

**Revision Note** No information available.

**Disclaimer**

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

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