

MATERIAL SAFETY DATA SHEET

Product Name: **Automic™**



Substance key: AUTOMIC™

Section 01 - Product Information

Identification of the company: Ceramic DNA™ LLC
1980 Avenue L
Riviera Beach, FL 33404
Tel: (561) 328-7302
Web: www.CeramicDNA.com

Trade name: AUTOMIC™
Primary product use: Surface protectant / surfactant

Market: Professional / Industrial

Section 02 – Hazard(s) identification

Clear colorless liquid with aromatic odor. Irritating to skin, eyes, and upper respiratory tract. Wear skin and eye protection. Wear respiratory protection in poorly ventilated areas. Do not release to the environment.

Section 03 – Composition information on hazardous ingredients

Component	C.A.S. Number	PEL
p-Chlorobenzotrifluoride	98-56-6	No limits established
proprietary compounds	none	No limits established

Section 04 – First aid measures

SKIN: Flush from skin and clothing with large amounts of fresh water. If irritation persists, consult physician. Wash contaminated clothing before wearing.

EYES: Flush eyes with a large quantity of fresh water for at least 15 minutes. If irritation persists, consult a physician.

INGESTION: Do not induce vomiting. Take measures to prevent aspiration during any vomiting that may occur. Do not give fluids. Nothing by mouth if unconscious. Get immediate medical attention.

INHALATION: If showing signs of discomfort or irritation, remove to fresh air. If symptoms persist, get immediate medical attention.

Section 05 – Fire-fighting measures

Flashpoint 54°C (129°F)

Extinguishing Media Carbon dioxide, foam and/or dry chemical may be used.

Special fire fighting procedures

Firefighters working in areas where this product is present should be equipped with an approved, fully enclosed SCBA.

Unusual fire and explosion hazards

None known.

Section 06 – Accidental release measures

Spill or leak

Avoid breathing vapors. Evacuate area until vapor is dispersed. Remove all ignition sources. Place leaking containers in a well ventilated area. Stop or reduce discharge if this can be done safely.

Section 07 – Handling and storage

Handling and Storage

Store in a cool, well-ventilated area. Avoid overheating or freezing.

Section 08 – Exposure controls/personal protection

General advice

These recommendations provide general guidance for handling this product. Personal protective equipment should be selected for individual applications and should consider factors which affect exposure potential, such as handling practices, chemical concentrations and ventilation. It is ultimately the responsibility of the employer to follow regulatory guidelines established by local authorities.

Eye protection

Chemical splash goggles

Skin and body protection

Nitrile or PVC gloves

Respiratory protection

Not usually needed in well-ventilated areas. If needed, use a NIOSH approved respirator.

Section 09 – Physical and chemical properties

Physical state

Liquid

Color

Clear

Odor

Aromatic

Boiling point

48°C (118°F)

Flash point

54°C (129°F)

Vapor pressure

~1 kPa @ 77°C (25°F)

Water Soluble

No

Section 10 – Stability and reactivity

Stability

Stable under normal conditions

Hazardous polymerization

Not known to polymerize

Incompatibility

Avoid strong oxidizers, heat, sparks, open flames

Hazardous byproducts

Carbon monoxide, carbon dioxide

Section 11 – Toxicological information

Inhalation

Inhalation of product vapors can cause irritation of the nose,

Ingestion	throat and respiratory system. Excessive exposure may result in headache, dizziness, incoordination, fatigue, nausea, loss of appetite and loss of consciousness. Ingestion of this product may irritate the gastric tract causing nausea and vomiting.
Skin	Irritating to skin. Skin contact will cause redness, itching and swelling. Repeated exposure may cause skin dryness and cracking and may lead to dermatitis.
Eye	Irritating to eyes. On eye contact this product will cause tearing, stinging, blurred vision, redness and possible conjunctivitis.

Section 12 – Ecological information

Ecotoxicity	No ecological data are available for this material.
Persistence / Degradability	Not available
Mobility	Not available
Environ. Protection	Prevent this material entering waterways, drains and sewers.

Section 13 – Disposal considerations

Disposal of spilled or waste material must be carried out in accordance with the relevant local and national government regulations. Advise flammable nature. Empty containers may contain flammable residues. Do not puncture, cut or weld empty containers.

Section 14 – Transport information

U.S./INTERNATIONAL SHIPPING INFORMATION: Ceramic DNA LLC has determined that this material is not regulated as dangerous or hazardous goods under DOT, IMO/IMDG, IATA, ICAO, or UN shipping requirements. This determination is based on the exception highlighted at the end of this subsection.

U.S. DOT – ROAD

Not regulated

U.S. DOT - RAIL

Not regulated

U.S. DOT - INLAND WATERWAYS

Not regulated

TRANSPORT CANADA - ROAD

Not regulated

TRANSPORT CANADA - RAIL

Not regulated

TRANSPORT CANADA - INLAND WATERWAYS

Not regulated

INTERNATIONAL MARITIME DANGEROUS GOODS

Not regulated

INTERNATIONAL AIR TRANSPORT ASSOCIATION - CARGO

Not regulated

INTERNATIONAL AIR TRANSPORT ASSOCIATION - PASSENGER

Not regulated

MEXICAN REGULATION FOR THE LAND TRANSPORT OF HAZARDOUS MATERIALS AND WASTES

Not regulated

CLASSIFICATION EXCEPTION UNDER U.S./INTERNATIONAL REQUIREMENTS: Under U.S. and international shipping regulations, this material would otherwise be classified as a combustible liquid (ground only) or a flammable liquid, respectively. However, pursuant to U.S. regulations at 49 CFR 173.120(a)(3) and equivalent international regulations, this material is not considered flammable under the following exception: any liquid with a flash point greater than 35 °C (95 °F) which does not sustain combustion under ASTM Standard D4206 is not considered to be a flammable liquid. This substance has been tested by Ceramic DNA LLC under ASTM Standard D4206 and was not found to sustain combustion. Based on this test result, PCBTF is not regulated as a flammable compound for purposes of U.S. or international shipping requirements. See also notes below.

Note: Ceramic DNA LLC has made the determination that this material is not flammable based on the results of testing under ASTM Standard D4206. Other shippers are responsible for making their own determination regarding this material's classification under U.S. and international transportation requirements. At the shipper's option, this material may be classified as a flammable liquid under the proper shipping name, Chlorobenzotrifluorides [Class 3, Packaging Group III; UN 2234].

Section 15 – Regulatory information

TSCA Status	All components of this product are listed on the TSCA Inventory.
SARA (section 311/312)	Reactive hazard: no Pressure hazard: no Fire hazard: yes Immediate/acute: yes Delayed/chronic: yes
Reactive hazard	Pressure hazard: no Fire hazard: yes Immediate/acute: yes Delayed/chronic: yes
Hazardous byproducts	Carbon monoxide, carbon dioxide
TSCA Status	All components of this product are listed on the TSCA Inventory.
California proposition 65	This product contains no chemicals known to the State of California to cause cancer, birth defects, or other reproductive harm.
Consumer product safety commission	Not a consumer product
Other	This product is not registered with the FDA.

INTERNATIONAL CLASSIFICATION & LABELING INFORMATION: Under the European Union's (EU's) classification and labeling scheme, a material having a flash point greater than 21 °C and less than or equal to 55 °C need not be classified as flammable (risk phrase R-10) if the material could not in any way support combustion. Based on this standard and the sustained combustibility testing described elsewhere in this MSDS, this material would not be considered flammable for classification and labeling purposes in the EU.

This exception is being reviewed by OSHA as part of its participation in the international effort to establish a Globally Harmonized System (GHS) for classifying substances and harmonizing hazard communication documents. OSHA is aware that this exception is utilized in reclassifying materials that are otherwise flammable or combustible and that this exception may be appropriate for the GHS. However, at this time OSHA has not made any regulatory changes to its Hazard Communication Standard.

Section 16 – Other information

Other precautions:

Keep containers tightly closed when not in use. Wear proper protective equipment. Prevent skin contact. Avoid contact with heat, sparks, and open flames. Avoid breathing mist or vapor. Keep container closed, when not in use. Avoid contact with skin and eyes. Do not release to water.

NFPA:

Health: 1 Flammability: 3 Reactivity: 0

DISCLAIMER: The information presented herein is believed to be factual. However, none of this information is to be taken as a warranty or representation for which Ceramic DNA LLC, the manufacturer, or the preparer bears legal responsibility. The user should review any recommendation in the specific context of the intended use to determine whether it is appropriate.

This information is supplied in this MSDS under the OSHA Hazard Communication Standard, 29 CFR 1910.1200, and is offered in good faith based on data available to us that we believe to be true and accurate. The recommended industrial hygiene and safe handling procedures are believed to be generally applicable to the material. However, each user should review these recommendations in the specific context of the intended use and determine whether they are appropriate for that use. No warranty or guaranty, express or implied, is made regarding the accuracy of this data, the hazards connected with the use of the material, or the results to be obtained from the use thereof. We assume no responsibility for damage or injury from the use of the product described herein. Data provided here are typical and not intended for use as product specifications. Be safe- read this product safety information and pass it on to all persons who may be exposed to this product. Federal law requires it. This product and/or all of its components are either included on or exempt from the TSCA Inventory of Chemical Substances.