



SAFETY DATA SHEET

TRANS-SF 1000

Revision Date: 07 April 2022

1) IDENTIFICATION

PRODUCT NAME TRANS-SF 1000
IDENTIFICATION NUMBER
PRODUCT USE/CLASS SILICONE FLUID
CAS NUMBER 63148-62-9

SUPPLIER:

Applied Material Solutions, Inc.
1001 E. Centralia Street
Elkhorn, WI 53121
Phone: (262)723-6595 Fax: (262)723-3830

Emergency telephone: 1-800-535-5053 (INFOTRAC)
24 Hours day / 7 Days week

2) HAZARDS

Classification: Product is not classified as hazardous under GHS criteria or OSHA Hazard Communication Standard (29 CFR 1910.1200)

GHS Label Elements:

Symbol(s): None

Signal Word(s): None

Hazard statement(s): None

Precautionary statement(s):

Prevention:

P102 Keep out of reach of children
P261 Avoid breathing dust/fume/gas/mist/vapor/spray
P264 Wash hands thoroughly after handling
P270 Do not eat, drink or smoke when using this product

Response:

P330 Rinse Mouth
P340 Remove victim to fresh air and keep at rest in a position comfortable for breathing
P352 Wash with plenty of soap and water.
P363 Wash contaminated clothing before reuse

Storage:

P402+P404 Store in a dry place. Store in a closed container

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Disposal:

P501 Dispose of contents/container to a qualified waste disposal company in accordance with local/regional/national/international regulations.

Other Hazards:

See Section 11 for Health effects. See Section 12 for environmental effects.

3) COMPOSITION/INFORMATION ON INGREDIENTS

<u>COMPONENT NAME</u>	<u>CAS NUMBER</u>	<u>Concentration (% by wt)</u>
polydimethylsiloxane	63148-62-9	100

Other Comments: This product does not contain any hazardous ingredients as defined by OSHA regulations.
(See Section 16 for abbreviation legend)

4) FIRST AID MEASURES**First aid measures:**

Eye: Immediately flush eyes with plenty of water. If irritation persists, seek medical attention.

Skin: Wash with soap and water. If irritation develops or persists, seek medical attention.

Inhalation: None required.

Oral: If swallowed, rinse mouth thoroughly with water, drink plenty of water. In case of discomfort, seek medical attention. Do NOT induce vomiting.

Most important symptoms/effects: None known

Notes to physician: Treat symptomatically

5) FIRE FIGHTING MEASURES

Flammability assessment: Not flammable

Unsuitable extinguishing media: None

Specific firefighting measures: Extinguish fire appropriate to circumstances - CO2, DRY CHEMICAL, FOAM, WATER FOG

Specific hazards during firefighting: None known

Special protective equipment and Precautions for firefighters: As in any fire, wear self-contained breathing apparatus pressure-demand (MSHA/NIOSH approved or equivalent) and full protective gear.

6) ACCIDENTAL RELEASE MEASURES**Personal precautions, protective equipment and emergency procedures:**

See section 8 for proper PPE when handling this equipment.

Methods and materials for containment and cleaning up:

Absorb with sand, etc. and dispose as dry waste in accordance with all applicable regulations. Absorb small spill with inert material (dry sand or earth), then place in a chemical waste container. For large spills, dike for later disposal.

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7) HANDLING AND STORAGE**Precautions for safe handling:**

Use with adequate ventilation. Wear protective clothing. Wash thoroughly after handling.

Conditions for safe storage:

Keep container closed in a dry, cool place when not in use. Keep away from heat, sparks and flame.
Keep from freezing.

8) EXPOSURE CONTROLS/PERSONAL PROTECTION

EXPOSURE LIMITS								
Component	CAS #	OSHA PEL		ACGIH TLV		NIOSH REL		FORM
Product	Mixed	15mg/m3 total 5mg/m3 respirable fraction		10mg/m3		10mg/m3 total	15mg/m3 total 5mg/m3 respirable fraction	Mist

Engineering Controls:

Local Ventilation: Non-hazardous under the Federal OSHA Hazard Communication Standard 29 CFR 1910.1200.

General Ventilation: Recommended

Personal Protective Equipment for Routine Handling and Spills:

Eyes: Wear safety glasses, goggles or face shield where splash hazard.

Skin: The glove(s) listed may provide protection against permeation. Gloves of other chemically resistant materials may not provide protection against permeation

Suitable Gloves: rubber, leather, latex, nitrile

Inhalation/Suitable Respirator: None needed.

Precautionary Measures: Wash hands before eating. Remove contaminated clothing and wash before re-use.

9) PHYSICAL AND CHEMICAL PROPERTIES

Flash Point: > 204 °F

Flammability Limits in Air:	Lower Limit	Not determined
	Upper Limit	Not determined
Auto-ignition Temperature:		Not determined
Decomposition Temperature:		Not determined
Flammability:		Not flammable

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Appearance:	Clear Liquid
Odor:	Mild
Odor Threshold:	Not determined
pH (100 % @ 25°C):	Not determined
Melting/Freezing Point:	Not determined
Boiling Point:	Not determined
Evaporation Rate:	Not determined
Viscosity @ 25°C:	980 – 1020 cP
Volatile Organic %:	0.00 g/l
Vapor Pressure:	< 0.13 hPa at 20 °C
Vapor Density (Air=):	Not determined
Bulk Density @ 25°C:	8.08 (approx.)
Relative Density @ 25°C:	0.953 – 0.977 g/cm ³
Solubility in Water:	Insoluble
Partition Coefficient (n-octanol/water):	Not determined

The Physical data presented here are representative values, as the actual product's values may vary slightly.

10) STABILITY AND REACTIVITY

Reactivity:	Will not occur under normal conditions.
Chemical stability:	Stable
Possibility of hazardous reactions:	Will not occur under normal conditions.
Conditions to avoid:	None known
Incompatible materials:	Strong oxidizers
Hazardous decomposition products:	Carbon monoxide, carbon dioxide, formaldehyde

11) TOXICOLOGICAL INFORMATION**Acute Toxicity:**

Oral:	LD50 >5,000 mg/kg – Oral Rat
Dermal:	LD50 > 2,000 mg/kg – Dermal Rat
Inhalation:	No hazard in normal industrial use.
Skin corrosion/irritation:	Prolonged or repeated contact can result in defatting and drying of the skin which may result in skin irritation and dermatitis (rash).
Serious eye damage/irritation:	May cause eye irritation
Respiratory sensitization:	Material does not criteria for classification.

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Skin sensitization:	Material does not criteria for classification.
Specific Target Organ Toxicity (single exposure):	Material does not criteria for classification.
Aspiration hazard:	This material may be harmful or fatal if swallowed.

Chronic Effects:

Germ cell mutagenicity:	No hazard in normal industrial use
Carcinogenicity:	Not expected to be a hazard
Reproductive toxicity:	Not expected to be a hazard
Specific Target Organ Toxicity (repeated exposure):	None known

Likely Routes of Exposure/Symptoms:

Eye:	Splash hazard
Skin:	Skin contact
Inhalation:	Accidental ingestion
Oral:	Not expected to occur in normal industrial use

12) ECOLOGICAL INFORMATION

Ecotoxicity:	Acute: No adverse effects on aquatic organisms. Chronic: No adverse effects on aquatic organisms.
Persistence and degradability:	Material is classified as not biodegradable and would under environmental conditions be indistinguishable from surrounding environment
Bioaccumulative potential:	Not expected
Mobility in soil:	Not known
Other adverse effects:	If discarded in its purchased form, this product would not be a hazardous waste either by listing or by characteristic. However, under RCRA, it is the responsibility of the product user to determine at the time of disposal, whether a material containing the product or derived from the product should be classified as a hazardous waste. (40 CFR 261.20-24)

13) DISPOSAL CONSIDERATIONS**Disposal considerations:**

Dry with absorbent material and dispose as dry waste in accordance with all local, state and federal regulations.

TRANS-SF 1000**Empty container warnings:**

Dispose of all containers in accordance with all local, state, federal and international regulations. Containers can be offered to a suitable recycler for reuse.

14) TRANSPORT INFORMATION**DOT Road Shipment Information (49 CFR 172.101):**

UN Number: This material is not regulated as hazardous by the DOT, IMDG, or IATA.

DOT Proper Shipping Name:

DOT Technical Name:

DOT Hazard Class(es):

DOT Packing Group:

Marine Pollutant:

Air Shipment (IATA): This material is not regulated as hazardous by the DOT, IMDG, or IATA.

Ocean Shipment (IMDG): This material is not regulated as hazardous by the DOT, IMDG, or IATA.

Transport in bulk:

Special precautions: None

15) REGULATORY INFORMATION**International Chemical Inventory Status:**

USA (TSCA): All components of this product are listed.

DSL: All components of this product are listed.

EINICS: All components of this product are listed.

AICS: All components of this product are listed.

CANADIAN WHMIS CLASS: Not a WHMIS controlled material.

Korea Not known

China Not Known

Canada WHMIS This SDS has been prepared in compliance with Controlled Product Regulations except for use of the 16 headings.

EPA SARA Title III Chemical Listings:**Section 302 Extremely Hazardous Substances:**

Component Name	CAS Number	wt %	Hazard
None			

Section 304 CERCLA Hazardous Substances:

Component Name	CAS Number	wt%	Reportable Quantity (#)
None			

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Section 312 Hazard Class:

Acute: ☐ Yes ☒ No
 Chronic: ☐ Yes ☒ No
 Fire: ☐ Yes ☒ No
 Pressure: ☐ Yes ☒ No
 Reactivity: ☐ Yes ☒ No

Section 313 Toxic Chemicals: Only chemicals which exceed the reporting threshold are included below:

Component Name	CAS Number	wt%
None		

Other Regulatory Concerns:

State right to know:

Components	CAS Number	CA Prop 65	NJ	PA	MA
None					

16) - OTHER INFORMATION

Revision date: 07 April 2022
 Reason for change: Yearly document review
 Revised by: JL
 Reviewed by: MTJ
 Approval date: 07 April 2022
 Version: 3.0

	Health	Fire	Reactivity	Special
HMIS:	1	0	0	

Note: HMIS ratings involve data and interpretations that may vary from company to company. They are intended only for rapid, general identification of the magnitude of the specific hazard. To deal adequately with the safe handling of this material, all the information in the SDS must be considered.

HMIS = Hazardous Material Information System

***Chronic effect**

Disclaimer: This safety data sheet (SDS) was prepared in accordance with the 29 CFR 1910.1200. The information contained herein is based upon data available to us and reflects our best professional judgement. However, no warranty is expressed or implied regarding the accuracy of such information or the results obtained from the use thereof. We assume no legal responsibility whatsoever for any damage resulting from reliance upon this information since it is being furnished upon the condition that the person receiving it shall make his or her own determination of the suitability of the material described herein for a particular application, storage, or disposal situation.