



# SAFETY DATA SHEET

## TRANS-10K

Revision Date: 11 January 2023

### 1) IDENTIFICATION

**PRODUCT NAME** TRANS-10K  
**IDENTIFICATION NUMBER**  
**PRODUCT USE/CLASS** Antifoaming agent. Defoamer.  
**CAS NUMBER**

**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:** Not hazardous

**GHS Label Elements:**

**Symbol(s):** N/A

**Signal Word(s):** N/A

**Hazard statement(s):** N/A

**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:** None known

**3) COMPOSITION/INFORMATION ON INGREDIENTS**

<u>COMPONENT NAME</u>	<u>CAS NUMBER</u>	<u>Concentration (% by wt)</u>
Polydimethylsiloxane Compound	Mixture	<12 %

**Other Comments:** No components of this material is considered hazardous by any OSHA regulations.

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

**Eye:** Immediately flush eyes with a direct stream of water for at least 15 minutes while forcibly holding eyelids apart to ensure complete irrigation of all eye and lid tissue. Get prompt medical attention if irritation develops.

**Skin:** Flush skin with water and wash with mild soap and water. Seek medical attention if irritation develops or rash occurs. Remove contaminated clothing and wash before reuse.

**Inhalation:** No first aid should be needed.

**Oral:** No first aid should be needed. Seek medical attention if large quantities are consumed. Do not induce vomiting except by physician's order. If spontaneous vomiting is inevitable, prevent aspiration by keeping victim's head below the knees.

**Most important symptoms/effects:** May cause minor irritation.

**Notes to physician:** Treat according to person's condition and specifics of exposure.

**5) FIRE FIGHTING MEASURES**

**Flammability assessment:** Not Flammable.

**Unsuitable extinguishing media:** None known.

**Specific firefighting measures:** Use water spray to cool containers exposed to flames. If leak or spill has not ignited, use water spray to disperse the vapors.

**Specific hazards during firefighting:** None known.

**Special protective equipment and Precautions for firefighters:** Do not enter enclosed or confined workspaces without proper protective equipment. Firefighting personnel should wear respiratory protection (positive pressure if available).

**TRANS-10K****6) ACCIDENTAL RELEASE MEASURES****Personal precautions, protective equipment and emergency procedures:**

Use personal protective equipment as described in Section 8. No special protective equipment should be needed. Use caution; spilled material may present a slipping hazard.

**Methods and materials for containment and cleaning up:**

Build dike to contain flow. Remove free liquid. Contain spill and keep from entering waterways or sewers. Absorb on inert material. Shovel, sweep, or vacuum spill and place in closed container for disposal according to local, state, and federal regulations.

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

Keep container tightly closed when moving or storing. Do not dilute product with water and store in diluted form. Exercise good personal and industrial hygiene when handling food-grade antifoams and defoamers. Avoid unsanitary conditions, usage, and storage.

**Conditions for safe storage:**

Store this product below 110 °F (43 °C) in a cool, dry, well-ventilated area away from direct sources of heat, moisture, or sunlight. Do not store near strong oxidizing materials. Preferentially store below 77 °F (25 °C). To prolong shelf life, this product may be refrigerated. For best quality, protect product from freezing.

**8) EXPOSURE CONTROLS/PERSONAL PROTECTION****EXPOSURE LIMITS**

Component	CAS #	OSHA PEL	ACGIH TLV	NIOSH REL	FORM
There are no components at reportable levels with workspace exposure limits					

**Component Exposure Limits:** There are no components at reportable levels with workspace exposure limits.

**Engineering Controls:**

Local Ventilation: None should be needed.

General Ventilation: Recommended.

**Personal Protective Equipment for Routine Handling and Spills:**

Eyes: Always wear eye protection. Goggles or safety glasses with side shields are recommended.

Skin: Wash hands at mealtime and end of shift.

Suitable Gloves: Chemical resistant gloves.

Inhalation/Suitable Respirator: No respiratory protection should be needed.

Precautionary Measures: Avoid eye contact at all times. Use reasonable care. Exercise good industrial hygiene.

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## 9) PHYSICAL AND CHEMICAL PROPERTIES

<b>Flash Point:</b>		>212°F
<b>Flammability Limits in Air:</b>	<b>Lower Limit</b>	Not determined
	<b>Upper Limit</b>	Not determined
<b>Auto-ignition Temperature:</b>		Not determined
<b>Decomposition Temperature:</b>		Not determined
<b>Flammability:</b>		Not flammable
<b>Appearance:</b>		Milky white liquid
<b>Odor:</b>		Undetectable to mild
<b>Odor Threshold:</b>		Not determined
<b>pH (100.0 % @ 25°C):</b>		7.5-8.25
<b>Melting/Freezing Point:</b>		~32°F
<b>Boiling Point:</b>		~212°F
<b>Evaporation Rate:</b>		Not determined
<b>Viscosity @ 25°C:</b>		500-3000 cP*
<b>Volatile Organic %:</b>		Negligible
<b>Vapor Pressure:</b>		Not determined
<b>Vapor Density (Air=):</b>		Not determined
<b>Bulk Density @ 25°C:</b>		8.35 lb./gal
<b>Relative Density @ 25°C:</b>		1.01
<b>Solubility in Water:</b>		Dispersible
<b>Partition Coefficient (n-octanol/water):</b>		Not determined

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

\*Non-Newtonian viscosity. Viscosity will vary depending upon the sheer force applied. Increased sheer results in a lower viscosity.

## 10) STABILITY AND REACTIVITY

<b>Reactivity:</b>	No known hazardous reactions under normal use conditions.
<b>Chemical stability:</b>	Stable under normal handling and storage conditions.
<b>Possibility of hazardous reactions:</b>	Hazardous polymerization will not occur.
<b>Conditions to avoid:</b>	Extreme temperatures.
<b>Incompatible materials:</b>	Oxidizing material can cause a reaction.
<b>Hazardous decomposition products:</b>	Under high heat or fire conditions, the following compounds may be formed: carbon oxides including carbon monoxide, silicon oxides, and formaldehyde.

## 11) TOXICOLOGICAL INFORMATION

**Acute Toxicity:**

Oral:	LD50: >5000 mg/kg ATE (calculated)
Dermal:	LD50: Not determined

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Inhalation:	LC50: Not determined
Skin corrosion/irritation:	Based on available data, the classification criteria are not met.
Serious eye damage/irritation:	Based on available data, the classification criteria are not met.
Respiratory sensitization:	Based on available data, the classification criteria are not met.
Skin sensitization:	Based on available data, the classification criteria are not met.
Specific Target Organ Toxicity (single exposure):	Based on available data, the classification criteria are not met.
Aspiration hazard:	Based on available data, the classification criteria are not met.

**Chronic Effects:**

Germ cell mutagenicity:	Based on available data, the classification criteria are not met.
Carcinogenicity:	No components present at 0.1% or greater are classified as carcinogens by the NTP, IACR or OSHA.
Reproductive toxicity:	Based on available data, the classification criteria are not met.
Specific Target Organ Toxicity (repeated exposure):	Based on available data, the classification criteria are not met.

**Likely Routes of Exposure/Symptoms:**

Eye:	Direct contact may cause temporary irritation.
Skin:	Some individuals may experience minor irritation and discomfort to skin. Repeated or prolonged exposure may cause minor irritation.
Inhalation:	Not expected to be an inhalation hazard.
Oral:	Effects of ingesting small quantities are expected to be minimal. Never taste or swallow product.

**12) ECOLOGICAL INFORMATION****Ecotoxicity:****Fish**

LC50: (Pimephales promelas, 48h): 6420 mg/L

**Aquatic Invertebrate**

LC50: (Ceriodaphnia dubia, 48 h): 3350 mg/L

**Persistence and degradability:**

Complete data is not yet available.

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<b>Bioaccumulative potential:</b>	Complete data is not yet available.
<b>Mobility in soil:</b>	Complete data is not yet available.
<b>Other adverse effects:</b>	Complete data is not yet available.

**13) DISPOSAL CONSIDERATIONS****Disposal considerations:**

Dispose of in accordance with all federal, state/provincial, and local regulations. Please contact Applied Material Solutions if additional information is required.

**Empty container warnings:**

Empty containers may contain product residue. Follow SDS and label warnings even after they have been emptied.

**14) TRANSPORT INFORMATION**

**DOT Road Shipment Information (49 CFR 172.101):** Not regulated as hazardous by the DOT.

UN Number:	N/A
DOT Proper Shipping Name:	N/A
DOT Technical Name:	N/A
DOT Hazard Class(es):	N/A
DOT Packing Group:	N/A
Marine Pollutant:	NO

**Air Shipment (IATA):** Not subject to IATA regulations.

**Ocean Shipment (IMDG):** Not subject to IMDG codes.  
Transport in bulk: N/A

**Special precautions:** Not known.

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

<b>USA (TSCA):</b>	All components of this product are listed.
<b>DSL:</b>	All components of this product are listed.
<b>EINICS:</b>	All components of this product are listed.
<b>AICS:</b>	All components of this product are listed.
<b>CANADIAN WHMIS CLASS:</b>	Not a WHMIS controlled material.
<b>Korea</b>	Not known
<b>China</b>	Not Known
<b>Canada WHIMS</b>	This SDS has been prepared in compliance with Controlled Product Regulations except for use of the 16 headings.

**TRANS-10K****EPA SARA Title III Chemical Listings:****Section 302 Extremely Hazardous Substances: None****Section 304 CERCLA Hazardous Substances: None****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: 11 January 2023  
 Reason for change: Yearly Doc. Review  
 Revised by: JL  
 Reviewed by: MJ  
 Approval date: 11 January 2023  
 Version: 7.0

	Health	Fire	Reactivity	Special
HMIS:	1	0	0	N/A

**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.