



# SAFETY DATA SHEET

## TRANS-4031

Revision Date: 12 July 2023

### 1) IDENTIFICATION

PRODUCT NAME	TRANS-4031
IDENTIFICATION NUMBER	FD030
PRODUCT USE/CLASS	DEFOAMER
CAS NUMBER	NA

#### 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 classified as hazardous under GHS criteria or OSHA Hazard Communication Standard (29 CFR 1910.1200)

#### GHS Label Elements:

#### Symbol(s):



#### Signal Word(s):

Warning

#### Hazard statement(s):

H332 Harmful if inhaled  
H304 May be fatal if swallowed and enters airways.

#### Precautionary statement(s):

##### Prevention:

P102 Keep out of the reach of children  
P202 Do not handle until all safety precautions have been read and understood.  
P261 Avoid breathing dust/fume/gas/mist/vapor/spray  
P280 Wear protective gloves/protective clothing/eye protection/face protection.

Response: P301+P330+P331 IF SWALLOWED: rinse mouth. Do NOT induce vomiting.  
 P303+P361+P353 IF ON SKIN (or hair): Remove/take off immediately all contaminated clothing. Rinse skin.  
 P314 Get medical advice/attention if you feel unwell.

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

Disposal: P501 Dispose of contents/container according to all applicable Local/State/Federal 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>
White Mineral Oil	8042-47-5	<80 %
Proprietary Blend	Mixed	<22 %

Other Comments: This product does contain a hazardous ingredient as defined by OSHA regulations.

### 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: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get immediate medical attention.

Oral: If swallowed, do NOT induce vomiting. Give victim a glass of water or milk. Call a physician or poison control center immediately. Never give anything by mouth to an unconscious person.

**Most important symptoms/effects:**

**Notes to physician:** No hazards which require special first aid measures.

### 5) FIRE FIGHTING MEASURES

**Flammability assessment:** None expected

**Unsuitable extinguishing media:** DO NOT use water or water spray on fires involving this product.

**Specific firefighting measures:** CO<sub>2</sub>, DRY CHEMICAL, FOAM

**Specific hazards during firefighting:** Can produce CO<sub>2</sub>, CO, and acrid smoke

**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:**

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.

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

Absorb small spill with inert material (dry sand or earth), then place in a chemical waste container. Dispose of all contaminated materials in accordance with all Local, State and Federal regulations. Do not discharge into soil, ground water, waterways or sewer systems.

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

Wear proper PPE when handling this product. Wash thoroughly after handling.

**Conditions for safe storage:**

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

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

Component	CAS #	OSHA PEL	ACGIH TLV	NIOSH REL	FORM
White mineral oil	8042-47-5	5 mg/m <sup>3</sup>	5 mg/m <sup>3</sup> 10 mg/m <sup>3</sup>		Mist

**Engineering Controls:**

Local Ventilation: Good general ventilation should be sufficient to control any airborne levels.

General Ventilation:

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

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

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

Suitable Gloves: (Neoprene, Latex, Rubber)

Inhalation/Suitable Respirator: A respiratory protection program that meets OSHA 1910.134 and ANSI Z88.2 or applicable federal / provincial requirements must be followed whenever workplace conditions warrant respirator use. In most cases an N95 particulate respirator is sufficient.

Precautionary Measures: Wash hands before eating. Remove contaminated clothing and wash before reuse.

**9) PHYSICAL AND CHEMICAL PROPERTIES**

<b>Flash Point:</b>		360 F
<b>Flammability Limits in Air:</b>	<b>Lower Limit</b>	NA
	<b>Upper Limit</b>	NA
<b>Auto-ignition Temperature:</b>		549-662 F
<b>Decomposition Temperature:</b>		ND
<b>Flammability:</b>		Combustible
<b>Appearance:</b>		Cream colored opaque liquid
<b>Odor:</b>		Mild Petroleum
<b>Odor Threshold:</b>		ND
<b>pH (100 % @ 25°C):</b>		Neutral
<b>Melting/Freezing Point:</b>		ND
<b>Boiling Point:</b>		ND
<b>Evaporation Rate:</b>		Is slower than ether
<b>Viscosity @ 25°C:</b>		1500-3000 cPs
<b>Volatile Organic %:</b>		ND
<b>Vapor Pressure:</b>		<0.0001 mm Hg @ 20 C
<b>Vapor Density (Air=):</b>		Is heavier than air
<b>Bulk Density @ 25°C:</b>		NA
<b>Relative Density @ 25°C:</b>		0.89 (approx.)
<b>Solubility in Water:</b>		Dispersible
<b>Partition Coefficient (n-octanol/water):</b>		ND

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

**10) STABILITY AND REACTIVITY**

<b>Reactivity:</b>	None known
<b>Chemical stability:</b>	Stable
<b>Possibility of hazardous reactions:</b>	None known
<b>Conditions to avoid:</b>	Strong oxidizers
<b>Incompatible materials:</b>	Strong oxidizers
<b>Hazardous decomposition products:</b>	Carbon monoxide, carbon dioxide, formaldehyde

**11) TOXICOLOGICAL INFORMATION****Acute Toxicity: (Literature for Paraffin oil)**

Oral:	LD <sub>50</sub> 22 gm/kg (non-toxic) Mouse
Dermal:	100 mg/24 hr (Rabbit) mild

Inhalation:	Information not available.
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:	No hazard in normal industrial use.
Skin sensitization:	Not expected
Specific Target Organ Toxicity (single exposure):	Product does not meet criteria
Aspiration hazard:	Information not available

**Chronic Effects:**

Germ cell mutagenicity:	Not determined
Carcinogenicity:	No components present at 0.1% or greater are classified as carcinogens by the NTP, IARC or OSHA.
Reproductive toxicity:	Not expected
Specific Target Organ Toxicity (repeated exposure):	None known

**Likely Routes of Exposure/Symptoms:**

Eye:	Splash hazard
Skin:	Splash hazard
Inhalation:	Mists from operations
Oral:	Not expected

**12) ECOLOGICAL INFORMATION**

<b>Ecotoxicity:</b>	All acute aquatic toxicity studies on sample of base oils show acute toxicity values greater than 100 mg/L for invertebrates, algae and fish. These tests were carried out on water accommodated fractions and the results are consistent with the predicted aquatic toxicity of these substances based on their hydrocarbon composition. Classification: No classified hazards.
<b>Persistence and degradability:</b>	The hydrocarbons in this material are not readily biodegradable, but since they can be degraded by microorganisms they are considered inherently biodegradable. Persistence per IOPC Fund definitions: Persistent

<b>Bioaccumulative potential:</b>	Low KOW values measured for the hydrocarbon components of this material are greater than 5.3 and therefore regarded as having the potential to bioaccumulate. In practice, metabolic process may reduce bio concentration.
<b>Mobility in soil:</b>	Not expected
<b>Other adverse effects:</b>	None anticipated

### 13) DISPOSAL CONSIDERATIONS

#### Disposal considerations:

Dry with absorbent material and dispose as dry waste in accordance with all local, state and federal regulations. Do not dump into sewers, on the ground, or into any body of water.

#### Empty container warnings:

Dispose all empty containers in accordance with all local, state and federal regulations or by offering them to an approved and license recycler.

### 14) TRANSPORT INFORMATION

#### DOT Road Shipment Information (49 CFR 172.101):

UN Number: Not regulated by DOT, IMDG, ICAO/IATA  
 DOT Proper Shipping Name:  
 DOT Technical Name:  
 DOT Hazard Class(es):  
 DOT Packing Group:  
 Marine Pollutant:

**Air Shipment (IATA):** Not regulated by DOT, IMDG, ICAO/IATA

**Ocean Shipment (IMDG):** Not regulated by DOT, IMDG, ICAO/IATA  
 Transport in bulk:

**Special precautions:** Not regulated by DOT, IMDG, ICAO/IATA

### 15) REGULATORY INFORMATION

#### International Chemical Inventory Status:

<b>USA (TSCA):</b>	All components of this product are listed.
<b>CERCLA HAZARDS</b>	Product contains no listed components.
<b>DSL</b>	All components of this product are listed.
<b>EINECS:</b>	All components of this product are listed.
<b>AICS:</b>	All components of this product are listed
<b>Korea</b>	All components of this product are listed
<b>China</b>	ND
<b>Canada WHIMS</b>	Not a WHMIS controlled material

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			

**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: 12 July 2023  
 Reason for change: Revised composition %  
 Revised by: MTJ  
 Reviewed by: MTJ  
 Approval date: 12 July 2023  
 Version: 4.0

	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.