



SAFETY DATA SHEET

TRANS-O 988

Revision Date: 27 January 2021

1) IDENTIFICATION

PRODUCT NAME	TRANS-O 988
IDENTIFICATION NUMBER	TRANS-O 988
PRODUCT USE/CLASS	Organic Defoaming Agent
CAS NUMBER	N.A.

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

TRANS-O 988

Storage: P402+P404 Store in a dry place. Store in a closed container
 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>
None		

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.

Methods and materials for containment and cleaning up:

TRANS-O 988

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.

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: >392 °F / >200 °C

Flammability Limits in Air: Lower Limit N.D.
Upper Limit N.D.

Auto-ignition Temperature: N.D.

TRANS-O 988

Decomposition Temperature:	N.D.
Flammability:	Not flammable
Appearance:	Opaque Amber
Odor:	Mild
Odor Threshold:	N.D.
pH (100 % @ 25°C):	N.D.
Melting/Freezing Point:	N.D.
Boiling Point:	N.D.
Evaporation Rate:	<1 (Butyl Acetate =1)
Viscosity @ 25°C:	200 - 800 cPs
Volatile Organic %:	N.D.
Vapor Pressure:	N.D.
Vapor Density (Air=):	N.D.
Bulk Density @ 25°C:	N.D.
Relative Density @ 25°C:	0.92
Solubility in Water:	Dispersible
Partition Coefficient (n-octanol/water):	N.D.

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:	Based on the available data, the classification criteria are not met.
Dermal:	Based on the available data, the classification criteria are not met.
Inhalation:	Based on the available data, the classification criteria are not met.
Skin corrosion/irritation:	Based on the available data, the classification criteria are not met.

TRANS-O 988

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

Chronic Effects:

Germ cell mutagenicity:	Based on the available data, the classification criteria are not met.
Carcinogenicity:	Based on the available data, the classification criteria are not met.
Reproductive toxicity:	Based on the available data, the classification criteria are not met.
Specific Target Organ Toxicity (repeated exposure):	Based on the available data, the classification criteria are not met.

Likely Routes of Exposure/Symptoms:

Eye:	Splash hazard wear appropriate PPE
Skin:	Slash hazard wear appropriate PPE
Inhalation:	Not expected under normal use conditions
Oral:	Not expected under normal use conditions. Always practice good chemical hygiene when handling this product.

12) ECOLOGICAL INFORMATION

Ecotoxicity:	Acute:	Based on the available data, the classification criteria are not met.	
	Chronic:	Based on the available data, the classification criteria are not met.	
	Fish:	Pleuronectes plastessa:	96 hrs LC50 No data established
	Invertebrates:	Daphnia magna:	48 hrs LC50 No data established
	Invertebrates:	Mytilus eduli:	96 hrs LC50 No data established
	Invertebrates:	Nereis diversicolor:	96 hrs LC50 No data established
Persistence and degradability:	No data established		

TRANS-O 988

Bioaccumulative potential:	No data established
Mobility in soil:	No data established
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.

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

TRANS-O 988
Canada WHIMS

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 known					

16) - OTHER INFORMATION

Revision date: 27 January 2021
 Reason for change: Yearly Document Review
 Revised by: JL
 Reviewed by: MTJ
 Approval date: 27 January 2021
 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.

TRANS-O 988**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.