



1001 E. Centralia Street  
Elkhorn, WI 53121

## SAFETY DATA SHEET

### TRANS-220D

Revision Date: 29 November 2018

#### 1) IDENTIFICATION

<b>PRODUCT NAME</b>	<b>TRANS-220D</b>
<b>IDENTIFICATION NUMBER</b>	<b>Proprietary Antifoam Emulsion, Water-Based; Non-Silicone</b>
<b>PRODUCT USE/CLASS</b>	<b>Antifoaming agent. Defoamer.</b>
<b>CAS NUMBER</b>	<b>N.A.</b>

#### 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>
Proprietary	Proprietary	Proprietary

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

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

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

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

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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		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:** >212° F

**Flammability Limits in Air:**

<b>Lower Limit</b>	Not Determined
<b>Upper Limit</b>	Not Determined

**Auto-ignition Temperature:** Not Determined

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<b>Decomposition Temperature:</b>	Not Determined
<b>Flammability:</b>	Not Flammable
<b>Appearance:</b>	White liquid
<b>Odor:</b>	Undetectable to Mild
<b>Odor Threshold:</b>	Not Determined
<b>pH (100 % @ 25°C):</b>	6.8-8.2
<b>Melting/Freezing Point:</b>	< 32° F
<b>Boiling Point:</b>	>200° F
<b>Evaporation Rate:</b>	Not Determined
<b>Viscosity (@ 25° C):</b>	1000-3000*
<b>Volatile Organic %:</b>	Negligible
<b>Vapor Pressure:</b>	Not Determined
<b>Vapor Density (Air=1):</b>	Not Determined
<b>Bulk Density @ 25°C:</b>	7.94 lbs/gal
<b>Relative Density @ 25°C:</b>	0.95
<b>Solubility in Water:</b>	Dispersible with agitation
<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.

**10) STABILITY AND REACTIVITY**

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

**11) TOXICOLOGICAL INFORMATION****Acute Toxicity: Not Classified**

Oral:	LD50: >5000 mg/kg ATE (calculated)
Dermal:	LD50: Not Determined
Inhalation:	LD50: 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.

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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. Repeat or prolonged exposure may cause minor irritation.
Inhalation:	Not expected to be inhalation hazard.
Oral:	Effects of ingesting small quantities to be minimal. Never taste or swallow product.

**12) ECOLOGICAL INFORMATION**

<b>Ecotoxicity:</b>	Acute: Not available
	Chronic: Not available
	Fish: Pleuronectes plastessa: 96 hrs LC50
	Invertebrates: Daphnia magna: 48 hrs LC50
	Invertebrates: Mytilus eduli: 96 hrs LC50
<b>Persistence and degradability:</b>	Invertebrates: Nereis diversicolor: 96 hrs LC50
	Not available
<b>Bioaccumulative potential:</b>	Not available

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**Mobility in soil:** Not available

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

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## 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: 29 November 2018  
 Reason for change: HMIS Review  
 Revised by: JL  
 Reviewed by: MTJ  
 Approval date: 29 November 2018  
 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

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**\*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.