



1001 E. Centralia Street
Elkhorn, WI 53121

SAFETY DATA SHEET

TRANS-708

Revision Date: 22 March 2016

1) IDENTIFICATION

PRODUCT NAME TRANS-708
IDENTIFICATION NUMBER
PRODUCT USE/CLASS Defoamer
CAS NUMBER Mixed

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) ASPIRATION HAZARD Category 1

GHS Label Elements:

Symbol(s):



Signal Word(s): Danger

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

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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> |
|-----------------------|-------------------|--------------------------------|
| Petroleum distillate | 64742-54-7 | <100 % |

Other Comments: This product contains no components at levels reportable as hazardous per OSHA Hazard Communication Standard 29 CFR 1910.1200, or in physical form reportable as hazardous per OSHA Hazard Communication Standard 29 CFR 1910.1200.

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: Move to fresh air. Give oxygen or artificial respiration if needed. If exposed or concerned, seek medical attention.

Oral: Rinse mouth thoroughly with water. Drink plenty of water. 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.

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- Specific hazards during firefighting:** This product can form explosive mixtures at temperatures at or above the flash point.
- 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:**

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 or 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:**

Use with adequate ventilation. 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. For best quality, protect product from freezing.

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

| Component | CAS # | OSHA PEL | | ACGIH TLV | | NIOSH REL | | FORM |
|----------------------|------------|---------------------|--|---------------------|----------------------|-----------|--|------|
| | | TWA | | TWA | STEL | | | |
| Petroleum Distillate | 64742-54-7 | 5 mg/m ³ | | 5 mg/m ³ | 10 mg/m ³ | | | |

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.

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| | |
|---------------------------------|--|
| Skin: | Wash hands at mealtime and end of shift. |
| Suitable Gloves: | Chemical resistant gloves. |
| Inhalation/Suitable Respirator: | Use a NIOSH/MSHA approved air purifying respirator where airborne concentrations exceed exposure limits. Use positive pressure air supplied respirator in circumstances where air purifying respirators may not provide adequate protection. |
| Precautionary Measures: | Avoid eye contact at all times. Use reasonable care. Exercise good industrial hygiene. |

9) PHYSICAL AND CHEMICAL PROPERTIES

| | | |
|---|--------------------|----------------------|
| Flash Point: | | 360° F |
| Flammability Limits in Air: | Lower Limit | Not determined |
| | Upper Limit | Not determined |
| Auto-ignition Temperature: | | Not determined |
| Decomposition Temperature: | | Not determined |
| Flammability: | | Combustible |
| Appearance: | | Cream-colored liquid |
| Odor: | | Mild petroleum |
| Odor Threshold: | | Not determined |
| pH (0.0 % in @ 25°C): | | Not applicable |
| Melting/Freezing Point: | | Not applicable |
| Boiling Point: | | Not determined |
| Evaporation Rate: | | Slower than ether |
| Viscosity @ 25°C: | | 400 – 1000 cP |
| Volatile Organic %: | | Not determined |
| Vapor Pressure: | | <0.0001 mm (20° C) |
| Vapor Density (Air=): | | >1 |
| Bulk Density @ 25°C: | | 7.1 lbs/gal |
| Relative Density @ 25°C: | | 0.85 |
| Solubility in Water: | | Dispersible |
| 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: | No known hazardous reactions under normal use conditions. |
| Chemical stability: | Stable under normal handling and storage conditions. |
| Possibility of hazardous reactions: | Hazardous polymerization will not occur. |
| Conditions to avoid: | Extreme temperatures. |
| Incompatible materials: | Oxidizing material can cause a reaction. |

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Hazardous decomposition products: Under high heat or fire conditions, the following compounds may be formed:

11) TOXICOLOGICAL INFORMATION**Acute Toxicity:**

| | |
|---|---|
| Oral: | Paraffin Oil: LD50: 22000 mg/kg (mouse) |
| Dermal: | LD50: Not determined |
| Inhalation: | LC50: Not determined |
| Skin corrosion/irritation: | Based on available data, the classification criteria are not met. Paraffin Oil: 100 mg/24 hr rabbit: mild |
| Serious eye damage/irritation: | Based on available data, the classification criteria are not met. Paraffin Oil: 500 mg rabbit: moderate |
| 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. Prolonged or repeated contact can |

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result in defatting and drying of the skin which may result in skin irritation and dermatitis (rash).

Inhalation:

Not expected to be an inhalation hazard.

Oral:

This material may be harmful or fatal if swallowed. Never taste or swallow product.

12) ECOLOGICAL INFORMATION

| | |
|---------------------------------------|--|
| Ecotoxicity: | 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. |
| Persistence and degradability: | 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 |
| Bioaccumulative potential: | 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. |
| Mobility in soil: | Not expected |
| Other adverse effects: | None anticipated. |

13) DISPOSAL CONSIDERATIONS**Disposal considerations:**

Disposal of in accordance with all federal, state/provincial, and local regulations. Please contact Applied Material Solutions, Inc. 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 by DOT as hazardous.

| | |
|---------------------------|-----|
| 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 |

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Air Shipment (IATA): Contact Applied Material Solutions, Inc. if information is required.

Ocean Shipment (IMDG): Contact Applied Material Solutions, Inc. if information is required.
 Transport in bulk: Contact Applied Material Solutions, Inc. if information is required.

Special precautions: None known.

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

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

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State right to know:

| Components | CAS Number | CA Prop 65 | NJ | PA | MA |
|------------|------------|------------|----|----|----|
| None | | | | | |

16) - OTHER INFORMATION

Revision date: 30 March 2016
Reason for change: Update to AMSI formatting
Revised by: MJ
Reviewed by: MG
Approval date: 30 March 2016
Version: 1.0

| | Health | Fire | Reactivity | Special |
|-------|--------|------|------------|---------|
| HMIS: | 1 | 1 | 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.