

Safety Data Sheet

Section 1 Product and Company Identification

Manufacturer

TMS
3407 78th Ave West
Rock Island, IL 61201

(309)756-0955

Recommended Usage: Formulated Industrial Lubricants
Other Identifier: Mixture

Emergency Phone Numbers

+1 800 424 9300
+1 800 424 9300

Product Name: TMS Flushing Oil

Section 2 Hazards Identification

Classification of the Mixture: Colorless liquid. Mild odor.

Most Important Hazards: This material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200). May cause eye, skin and respiratory tract irritation. Harmful if swallowed.

Hazard Classification:

Signal Word: None

Pictograms:

Precautionary Statements:

Inhalation - Avoid breathing dust/fume/gas/mist/vapors/spray. Keep container tightly closed. Use only with adequate ventilation.

Skin - Avoid contact with skin and clothing. Wash thoroughly after handling.

Eyes - Avoid contact with eyes. Wash thoroughly after handling.

Ingestion - Harmful if swallowed.

Quantity of Ingredients with Unknown Acute Toxicity: 0%

Section 3 Composition Information on Ingredients

Ingredient

WT %

CAS #

This material has no known hazards under applicable laws. The product contains no known carcinogens. No special warning labels are required under OSHA 29 CFR 1910.1200.

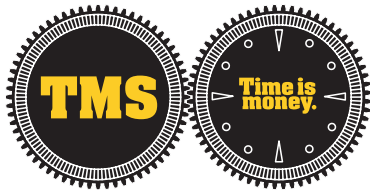
Section 4 First Aid Measures

Eyes: Flush eyes with running water for at least 15 minutes. If redness, burning, blurred vision or irritation persists, transport to nearest medical facility for additional treatment.

Skin: Flush skin with water, wash with soap and water. If irritation occurs, get medical attention. Remove contaminated clothing. Do not reuse clothing until cleaned. If material is injected under the skin, transport to the nearest medical facility for additional treatment. If redness, swelling, pain and/or blisters occur, transport to the nearest medical facility for additional treatment.

Ingestion: Do NOT induce vomiting and obtain medical attention. Have victim rinse mouth out with water. If vomiting occurs spontaneously, keep head below hips to prevent aspiration.

Inhalation: Remove victim to fresh air and keep at rest in a position comfortable for breathing. If the victim has difficulty breathing or tightness of the chest, is dizzy, vomiting or unresponsive, give oxygen with rescue breathing or CPR as required and transport to the nearest medical facility.



Safety Data Sheet

Section 5 Fire Fighting Measures

Flammable Properties:

Base Oil Flash point: > 200°F (ASTM D92) Flammable limits in air: N/A Auto ignition temperature: N/A

Extinguishing media: CO₂, dry chemical, foam

Special firefighting measure:

Procedures for an oil fire should be utilized. Use self-contained breathing apparatus. Use alcohol-type or all-purpose type foam for large fires. Use carbon dioxide or dry chemical to media for small fires. Water may be used only to keep surrounding containers cool. Firefighters should wear proper protective equipment and self-contained breathing apparatus with full face piece operated in positive pressure mode.

Section 6 Accidental Release Measures

- Eliminate ignition sources and ventilate area.
- Absorb spillage with inert absorbent material.
- Contain spill and keep from entering waterways or sewers.
- Advise EPA/state agency if required.
- Use proper personal protective equipment for clean-up.
- Treat contaminated absorbent same as spilled product.

Section 7 Handling and Storage

Handling and Storage Precautions: Avoid heat, open flames, including pilot lights, and strong oxidizing agents. Use explosion-proof ventilation to prevent vapor accumulation. Ground all handling equipment to prevent sparking. Avoid contact with eyes, skin and clothing. Wash thoroughly after handling. Do not eat, drink or smoke when using this product. Have appropriate fire extinguishers and spill clean-up equipment in or near storage area.

Work/Hygienic Practices: Wash with soap and water before eating, drinking, smoking, applying cosmetics, or using toilet. Launder contaminated clothing before reuse. Properly dispose of contaminated leather articles such as shoes or belts that cannot be decontaminated. Contaminated leather articles including shoes cannot be decontaminated and should be destroyed to prevent reuse.

Section 8 Personal Protection/ Exposure Controls

Engineering Controls: Use adequate ventilation to keep vapors and mists of this material below applicable standards. Recommended work place control parameters - based on mineral oil ACGIH TWA 5 mg/m³.

Respiratory Protection: If engineering controls do not maintain airborne concentrations to a level which is adequate to protect worker health, an approved respirator must be worn. Respirator selection, use and maintenance should be in accordance with the requirements of the OSHA Respiratory Protection Standard, 29 CFR 1910.134.

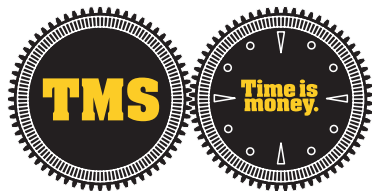
Skin Protection: Use protective clothing that is chemically resistant to this product. Acceptable materials for gloves and aprons are: nitrile rubber or viton.

Eye Protection: Use safety glasses or goggles. Have suitable eye wash water available.

Other/General Protection: For mists and vapors: Air Purifying, organic vapor cartridge, NIOSH approved respirator. Use self-contained breathing apparatus for environments with unknown concentrations or emergency situations.

Section 9 Physical and Chemical Properties

Color: Colorless	Vapor Pressure: < 0.1 mm Hg @ 25°C	Solubility in Water: Complete
Appearance: Liquid	% Volatile by Volume: N/E	Evaporation Rate
Odor: Mild	Vapor Density (air = 1): N/E	(Butyl Acetate = 100): < 1
Boiling Point: N/E	Reactivity in Water: Non-reactive	Specific Gravity: 0.96 – 0.97
VOC: <0.1lbs/gal		



Safety Data Sheet

Section 10 Stability and Reactivity

Stability: Stable **Conditions to avoid:** Sources of ignition. **Incompatibility:** Strong oxidizing or reducing agents.
Decomposition Products: Oxides of Carbon and Hydrogen. **Hazardous Polymerization:** Will not occur.

Section 11 Toxicological Information

Likely Routes of Exposure: Inhalation, skin, eyes and ingestion.

Potential Health Effects:

Eye Effects: Weak to moderate eye irritant.

Skin Effects: Not expected to be a primary skin irritant. Prolonged or repeated skin contact may cause dermatitis. Symptoms may include redness, edema, drying and cracking of skin.

Oral Effects: Harmful if swallowed. May cause gastrointestinal tract irritation, nausea and vomiting if mixture is swallowed.

Inhalation Effects: No data available to indicate product or components may be a toxic inhalation hazard.

Chronic Health Effects: No data available to indicate product or components present at greater than 1% are chronic health hazards.

Mutagenicity: No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.

Carcinogenicity: No data available to indicate product or components present at greater than 0.1% that may cause carcinogenic hazard.

Reproductive Effects: Negative

Teratogenicity: No data available to indicate product or components present at greater than 0.1% that may cause birth defects.

Sensitization: No data available to indicate product or components present at greater than 0.1% are considered dermal or respiratory sensitizers.

Toxicological Data:

ATE oral is 3,500 mg/kg

ATE dermal is 15,540 mg/kg

ATE inhalation (vapor) is estimated at 60 mg/L/4 hour

Section 12 Ecological Information

Not classified due to inadequate data available on this mixture. Recommend avoidance of release to the environment.

Section 13 Disposal Considerations

Waste Disposal: This material, if discarded, is not a hazardous waste under RCRA Regulation 40 CFR 261. Treatment, storage, transportation, and disposal must be in accordance with applicable Federal, State/Provincial, and Local regulations.

Section 14 Transportation Information

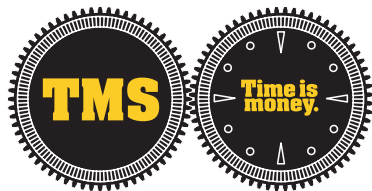
Proper Shipping Name: Not regulated

Shipping Class: Not regulated

Dot Identification Number: N/A

Dot Shipping Label: Not regulated by DOT.

TDG Classification: Not controlled under TDG (Canada).



Safety Data Sheet

Section 15 Regulatory Information

U.S. Federal Regulatory Information:

SARA 302 Threshold Planning Quantity: N/A SARA 304 Reportable Quantity: N/A

SARA 311 Categories:

Acute Health Effects:	No
Chronic Health Effects:	No
Fire Hazard:	No
Sudden Release of Pressure Hazard:	No
Reactivity Hazard:	No

EPA/TSCA Inventory: The components of this product are listed on the EPA/TSCA inventory of chemicals.

EPA Hazard Classification Code: Not applicable

CERCLA: No chemicals in this product are subject to the reporting requirements of CERCLA.

SARA Title III - Section 313 Supplier Notification: No Chemicals in this product exceed the DE Minimus reporting level established by SARA Title III, Section 313 and 40 CFR 372.

WHMIS Classification: WHMIS not controlled.

Other Regulations: All components of this formulation are listed on the CEPA-DSL (Domestic Substance List)

Cal. Prop. 65: This product contains the following chemical(s) known to the state of California to cause cancer and/or birth defects based on maximum impurity levels of components: 8 ppm Ethyl acrylate, CAS no. 140-88-5

Section 16 Other Information

NFPA Hazard Rating:

Health:	1	Slight
Flammability:	1	Negligible
Reactivity:	0	Negligible

SDS Dated: 12/15/2016

*Threshold Limit Value/Personal Exposure Limit

N/A = Not Applicable

N/E = Not Established

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