Section 1. Identification

Product Name: PURE GUARD HD 10 TO-4
Other names: F-113
Part/Product Number(s): P293, P1218
Material Use: Multi-functional tractor hydraulic transmission oil
Uses advised against: All others.
Manufacturer: Omni Specialty Packaging, LLC
10399 Hwy 1 South
Shreveport, LA 71115
1-318-524-1100
Issuing date: May 18, 2015
Revision date: October 14, 2015
Revision number: 001
Company contact: OMNI EHS Department; E-Mail: sds@osp.cc; Contact phone: 318-524-1100
(Monday-Friday, 8:00 AM – 4:00 PM, CST)

Section 2. Hazards Identification

OSHA/HCS Status: This product is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200).

Classification of the Substance or Mixture: SERIOUS EYE DAMAGE/EYE IRRITATION – Category 2A

GHS Label Elements

Hazard pictograms:

Signal word: WARNING
Hazard statement: Causes serious eye irritation.

Precautionary statements

General: Read label before use. Keep out of reach of children. If medical advice is needed, have product container or label at hand.
Prevention: Wear eye or face protection. Wash hands thoroughly after handling.
Response: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical attention.
Storage: Not applicable.
Disposal: Not applicable.

Hazards not otherwise classified (HNOC): None known.
Other information: See Toxicological Information, Section 11 of this Safety Data Sheet.

Section 3. Composition/Information on Ingredients

Petroleum mineral oil lubricant base stock with proprietary performance additives mixture.
Substance/Mixture: Mixture

<table>
<thead>
<tr>
<th>Components Name</th>
<th>CAS number</th>
<th>Weight %**</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lubricant Base Oil (Petroleum)</td>
<td>Mixture *</td>
<td>70 – 99</td>
</tr>
<tr>
<td>Highly refined mineral oils (C15-C50)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>TO-4 Fluid Additives Mixture</td>
<td>Confidential</td>
<td>1 – 10</td>
</tr>
<tr>
<td>Zinc dialkyl dithiophosphate</td>
<td>68649-42-3</td>
<td>&lt;1.5%</td>
</tr>
</tbody>
</table>

This product does not contain other known hazardous materials at the ≥ 1% level or known carcinogens at the ≥ 0.1% level as defined by 29 CFR 1910.1200.

* Contains one or more of the following CAS #s: 64742-52-5, 64742-54-7, 64742-65-0, 64742-56-9, 64742-47-8, 64742-58-1, 64742-01-4, 64742-53-6, 64742-71-8.

** The exact percentage of composition has been withheld as a trade secret.

Section 4. First Aid Measures

Description of necessary first aid measures

General Advice: No specific first aid measures are required. Get medical attention if irritation develops and persists.

Eye contact: In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Eyelids should be held away from the eyeball to ensure thorough rinsing. Check for and remove any contact lenses. Get medical attention if irritation develops and persists.

Skin contact: Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. Get medical attention if irritation develops and persists.

Inhalation: In case of inhalation of decomposition products in a fire, symptoms may be delayed. If inhaled, remove to fresh air. The exposed person may need to be kept under medical surveillance for 48 hours. Get medical attention if symptoms occur.

Ingestion: Do NOT induce vomiting. Drink plenty of water. If symptoms persist, call a physician.

Protection of first-aiders: No action shall be taken involving any personal risk or without suitable training.

Most important symptoms and effects, both acute and delayed

See Section 11 for more detailed information on health effects and symptoms.

Most Important Symptoms and Effects: Personnel with pre-existing skin disorders should avoid contact with this product. Under normal use conditions, no adverse effects to health are known.

Eye contact: Causes serious eye irritation.

Skin contact: Contact with skin is not expected to cause prolonged or significant irritation. Contact with skin is not expected to cause an allergic skin response. Not expected to be harmful to internal organs if absorbed through the skin.

Inhalation: Not expected to be harmful if inhaled. Contains petroleum-based mineral oil. May cause respiratory irritation or other pulmonary effects following prolonged or repeated inhalation of oil mist at airborne levels above the recommended oil mist exposure limit. Symptoms of respiratory irritation may include coughing and difficult breathing.

Ingestion: Not expected to be harmful if swallowed.

Note to physician: Treat symptomatically.

Section 5. Fire-Fighting Measures

OSHA Flammable Category: None
Precautions for safe handling

Methods and materials for containment and cleaning up

Small Spills: Stop leak if without risk. Move containers from spill area. Absorb with an inert material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.

Large Spills: Stop leak if without risk. Move containers from spill area. Prevent entry into sewers, water courses, basements or confined areas. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations. Dispose of via a licensed waste disposal contractor.

NOTE: If RQ (Reportable Quantity) is exceeded or if spills enter a body of water, report immediately to the USEPA’s National Response Center at (800) 424-8802. Check with your local and state regulators regarding their reporting requirements.

Section 7. Handling and Storage

Precautions for safe handling

Protective measures: Eye protection and face shield should be used if material is used under conditions that increase the chances of splattering. Put on appropriate personal protective equipment (see Section 8). Keep out of reach of children.

Advice on general occupational hygiene: Do not get in eyes, on skin or on clothing. Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Wash
thoroughly after handling. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

Conditions for safe storage, including any incompatibilities: Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Use appropriate containment to avoid environmental contamination. Avoid contaminating soil or releases into sewage or drainage systems and bodies of water.

Bulk material handling: Static Hazard: Electrostatic charge may accumulate and create a hazardous condition when handling this material. To minimize this hazard, bonding and grounding may be necessary but may not, by themselves, be sufficient.

Section 8. Exposure Controls/Personal Protection

Control parameters

<table>
<thead>
<tr>
<th>Occupational Exposure Limits</th>
<th>ACGIH</th>
<th>OSHA</th>
<th>NIOSH</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>TLV</td>
<td>STEL</td>
<td>TLV</td>
</tr>
<tr>
<td>Lubricant Base Oil (Petroleum)</td>
<td>5 mg/m³</td>
<td>10 mg/m³</td>
<td>5 mg/m³</td>
</tr>
<tr>
<td>Highly refined mineral oils (C15-C50)</td>
<td>(mist)</td>
<td>(mist)</td>
<td>(mist)</td>
</tr>
</tbody>
</table>

Appropriate engineering controls: Good general ventilation should be sufficient to control worker exposure to airborne contaminants.

Environmental exposure controls: Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

Individual protection measures

Hygiene measures: Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

Eye/Face Protection: Wear safety glasses with side shields. A face shield may be necessary under some conditions.

Skin and Body Protection

Hand protection: Wear protective gloves if prolonged or repeated contact is likely. Wear chemical resistant gloves. Recommended: Nitrile gloves. Consult your supervisor or Standard Operating Procedure (SOP) for special handling instructions.

Body protection: No protective equipment is needed under normal use conditions. For non-routine tasks, personal protection equipment for the body should be selected based on the task being performed and the risks involved.

Other skin protection: Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved.

Respiratory protection: No respiratory protection is normally required. If user operation generates an oil mist, determine if airborne concentrations are below the occupational exposure limit for mineral oil mist. If not, wear an approved respirator that provides adequate protection from measured concentrations of this material. The correct choice of respiratory protection depends upon the chemicals being handled, the conditions of work and use, and the condition of the respiratory equipment. For air-purifying respirators use a particulate cartridge. Use a positive pressure air-supplying
respirator in circumstances where air-purifying respirators may not provide adequate protection.

## Section 9. Physical and Chemical Properties

Attention: Data represents typical or target values and are not intended to be specifications.

### Appearance

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physical State</td>
<td>Liquid</td>
</tr>
<tr>
<td>Color</td>
<td>Bright &amp; Clear</td>
</tr>
<tr>
<td>Odor</td>
<td>Petroleum odor</td>
</tr>
<tr>
<td>Odor threshold</td>
<td>Not available</td>
</tr>
<tr>
<td>pH</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Boiling Point</td>
<td>Not available</td>
</tr>
<tr>
<td>Flash Point (Closed cup)</td>
<td>&gt;148.9 °C (&gt;300 °F) (Typical or Target)</td>
</tr>
<tr>
<td>Evaporation rate</td>
<td>&lt;1 (Butyl acetate = 1)</td>
</tr>
<tr>
<td>Flammability (solid, gas)</td>
<td>Not applicable. Based on - Physical state</td>
</tr>
<tr>
<td>Lower and upper explosive (flammable)</td>
<td>Not available</td>
</tr>
<tr>
<td>limits</td>
<td></td>
</tr>
<tr>
<td>Vapor pressure</td>
<td>&lt;0.01 mmHg Maximum @ 37.8 °C (100 °F)</td>
</tr>
<tr>
<td>Vapor density (Air +1)</td>
<td>&gt;1 Minimum</td>
</tr>
<tr>
<td>Relative density</td>
<td>0.87 - 0.91 kg/l at 15°C (Typical or Target)</td>
</tr>
<tr>
<td>Solubility</td>
<td>In soluble in water</td>
</tr>
<tr>
<td>Partition coefficient: n-Octanol/water</td>
<td>Not available</td>
</tr>
<tr>
<td>Auto-ignition temperature</td>
<td>Not available</td>
</tr>
<tr>
<td>Decomposition temperature</td>
<td>Not available</td>
</tr>
<tr>
<td>Viscosity (cSt @ 40 °C)</td>
<td>69 – 182 mm2/s (cSt) @ 40 °C (104 °F) (Typical or Target)</td>
</tr>
<tr>
<td>Viscosity (cSt @ 100 °C)</td>
<td>4 – 22 mm2/s (cSt) @100 °C (212 °F) (Typical or Target)</td>
</tr>
<tr>
<td>VOC %</td>
<td>None</td>
</tr>
</tbody>
</table>

## Section 10. Stability and Reactivity

Reactivity: Not reactive under normal storage conditions

Chemical stability: Stable under normal storage conditions

Possibility of hazardous reactions: None under normal processing.

Hazardous polymerization: Hazardous polymerization does not occur.

Conditions to avoid: Heat, flames and sparks.

Incompatible materials: Oxidizing agents, Halogens, Halogenated compounds

Hazardous decomposition products: May include: Fumes, Oil vapors, Smoke, Carbon Oxides (including carbon monoxide and carbon dioxide), Aldehydes, Nitrogen oxides, and incomplete combustion products.

## Section 11. Toxicological Information

### Information on toxicological effects

<table>
<thead>
<tr>
<th>Substance/Mixture</th>
<th>Acute Toxicity</th>
<th>Hazard</th>
<th>Additional Information</th>
<th>LC50/LD50 Data</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Inhalation</td>
<td>Unlikely to be harmful</td>
<td></td>
<td>&gt;2.18 mg/L (rat) (mist, estimated)</td>
</tr>
<tr>
<td></td>
<td>Dermal</td>
<td>Unlikely to be harmful</td>
<td></td>
<td>&gt;2000 mg/L (rabbit) (estimated)</td>
</tr>
<tr>
<td></td>
<td>Oral</td>
<td>Unlikely to be harmful</td>
<td></td>
<td>&gt;2000 mg/l (rat) (estimated)</td>
</tr>
</tbody>
</table>

Aspiration hazard: Not expected to be an aspiration hazard.

Skin Corrosion/Irritation: May cause mild skin irritation. Repeated exposure may cause skin dryness or cracking.
Serious Eye Damage/Irritation: Causes serious eye irritation.
Skin Sensitization: No information available.
Respiratory Sensitization: No information available.
Specific Target Organ Toxicity
(Single Exposure) - STOT-SE: No information available.
Specific Target Organ Toxicity
(Repeated Exposure) – STOT-RE: No information available.
Carcinogenicity: Contains no ingredients listed as a carcinogen.
Germ Cell Mutagenicity: No information available.
Reproductive Toxicity: No information available.

Information on Toxicity Effects of Compounds
Lubricant Base Mineral Oil (Petroleum)
Mineral oils are known to cause cancer because of carcinogenic components (e.g. Benzene). The lubricant base mineral oils in this product have been highly refined by a variety of processes including severe solvent extraction, severe hydro cracking or severe hydro treating to reduce aromatics and improve performance characteristics. The oils in this product meet the IP-346 criteria of less than 3 percent PHA’s and are not considered to be a carcinogen by the International Agency for Research on Cancer.

None of the oils in this product require a cancer warning under the OSHA Hazard Communication Standard (29 CFR 1910.1200). These oils have not been listed in the National Toxicology Program (NTP) Annual Report nor have they been classified by the International Agency for Research on Cancer (IRAC) as: carcinogenic to humans (Group 1), probably carcinogenic to humans (Group 2A), or possibly carcinogenic to humans (Group 2B). These oils have not been classified by the American Conference of Governmental Industrial Hygienists (ACGIH) as: confirmed human carcinogen (A1), suspected human carcinogen (A2), or confirmed animal carcinogen with unknown relevance to humans (A3).

Section 12. Ecological Information

The information is based on data available for the material, the components of the material, and similar materials.

Ecotoxicity: Not expected to be harmful to aquatic organisms.
Mobility: Base oil component – Low solubility and floats and is expected to migrate from water to land. Expected to partition to sediment and wastewater solids.
Soil/water partition coefficient (K_{oc}): Not available.
Persistenc and degradation
Biodegradation: Base oil component – Expected to be inherently biodegradable.
Bioaccumulative potential
Bioaccumulation: This product is not expected to bioaccumulate through food chain in the environment.
Other adverse effects: No known significant effects or critical hazards.
Other ecological information: Spills may form a film on water surfaces causing physical damage to organisms. Oxygen transfer could also be impaired.

Section 13. Disposal Considerations

Disposal recommendations based on material supplied.

Waste treatment methods
Product waste: Significant quantities of waste product residues should not be disposed of via the sanitary sewer but processed in a suitable effluent treatment plant. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Incineration or landfill should only be considered when recycling is not
feasible. Oil collection services are available for used oil recycling.

Contaminated packaging: Empty containers or liners may retain some product residues and could pose a potential fire and explosion hazard. Do not cut, puncture, or weld containers.

Other information: Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

Section 14. Transport Information

General information: Petroleum lubricating oil - Not regulated.

<table>
<thead>
<tr>
<th>UN Number</th>
<th>DOT Classification</th>
<th>IMDG</th>
<th>IATA</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Not Regulated</td>
<td>Not Regulated</td>
<td>Not Regulated</td>
</tr>
<tr>
<td>Proper Shipping Name</td>
<td>Petroleum lubrication oil</td>
<td>Petroleum lubrication oil</td>
<td>Petroleum lubrication oil</td>
</tr>
</tbody>
</table>

Special precautions for user: Transport within user’s premises: Always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

Section 15. Regulatory Information

United States Regulations
United States Inventory (TSCA 8b): All components are listed or exempted.
SARA 302/304: No products were found.
SARA 311/312: Immediate (Acute) Health Effects: Yes
Delayed (Chronic) Health Effects: No
Fire Hazard: No
Sudden Release of Pressure Hazard: No
Reactivity Hazard: No

SARA 313: The following components of this material are found on the EPCRA 313 list:
Zinc dialkyl dithiophosphate <1.5%

Supplier notification: This product contains a hazardous ingredient(s) at or above regulated thresholds.

CWA (Clean Water Act): This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

CERCLA: This material, as supplied, does not contain any substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302).

State Regulations
Massachusetts: None of the components are at or above regulated thresholds.
New Jersey: Petroleum Oil (Motor Oil)
Pennsylvania: None of the components are at or above regulated thresholds.
California Proposition 65: WARNING: This product contains a chemical known to the State of California to cause cancer.
None.

Canada
WHMIS Hazard Class: Not regulated.

International Chemical Inventories: All components comply with the following chemical inventory requirements: DSL (Canada)

Section 16. Other Information

<table>
<thead>
<tr>
<th>NFPA Rating:</th>
<th>Health Hazard</th>
<th>Flammability</th>
<th>Instability/Reactivity</th>
<th>Physical Hazards</th>
</tr>
</thead>
<tbody>
<tr>
<td>Health Hazard</td>
<td>0</td>
<td>1</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>HMIS Rating:</td>
<td>Health Hazard</td>
<td>Flammability</td>
<td>Instability/Reactivity</td>
<td>Physical Hazards</td>
</tr>
<tr>
<td></td>
<td>0</td>
<td>1</td>
<td>0</td>
<td>0</td>
</tr>
</tbody>
</table>

(NFPA & HMIS Hazard Rating Key: 0 - Minimum Hazard; 1 - Slight Hazard; 2 - Moderate Hazard; 3 - High Hazard; 4 - Extreme Hazard; * - Chronic Hazard Indicator, & PPE - Personal Protective Equipment Index A to L. These values are obtained using the
guidelines or published evaluations prepared by the National Fire Protection Association (NFPA) or the National Paint and Coating Association (for HMIS or Hazardous Material Identification System).

**Key to abbreviations**

- OSHA = Occupational Safety and Health Administration
- ACGIH = American Conference of Industrial Hygienists
- ATE = Acute Toxicity Estimate
- BCF = Bioconcentration Factor
- CAS Number = Chemical Abstracts Service Registry Number
- cSt = Centistroke (mm2/s)
- GHS = Globally Harmonized System of Classification and Labeling of Chemicals
- IATA = International Air Transport Association
- IBC = Intermediate Bulk Container
- IMDG = International Maritime Dangerous Goods

Prepared By: OMNI Specialty Packaging EH&S Department
Revision Date: October 14, 2015
Status: Final
Revision Note: Revision 001 – CHEMTREC phone number update.

**Consumer Product Improvement Act of 2008, General Conformity Certification**

For Consumer Product Packages: This product has been evaluated and is certified to be labeled and packaged in compliance with the applicable provisions of the Federal Hazardous Substance Act as stated in 16 CFR 1500 and enforced by the Consumer Product Safety Commission. Where applicable the products that require Child Resistant Closures are packaged in accordance with the Poison Prevention Packaging Act as stated in 16 CFR 1700 and enforced by the Consumer Product Safety Commission. All closures have been tested in accordance with the latest protocols. No testing is required to certify compliance with the provisions. The date of the manufacturing is stamped on the product container.

**Disclaimer**

All reasonably practicable steps have been taken to ensure the information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text. This information is furnished upon condition that the person receiving it shall make their own determination of the suitability of the material for their particular purpose.

End of Safety Data Sheet