Prepared according to Global Harmonized System (GHS) standards.

1. Substance/Product Identification

<table>
<thead>
<tr>
<th>Product Trade Name</th>
<th>FZ1206AX</th>
</tr>
</thead>
<tbody>
<tr>
<td>CAS Number</td>
<td>Not applicable for mixtures.</td>
</tr>
<tr>
<td>Synonyms</td>
<td>None.</td>
</tr>
<tr>
<td>Generic Chemical Name</td>
<td>Mixture.</td>
</tr>
<tr>
<td>Recommended Use</td>
<td>Multipurpose.</td>
</tr>
<tr>
<td>Restrictions on use</td>
<td>Not determined.</td>
</tr>
<tr>
<td>Created Date</td>
<td>28 August 2012</td>
</tr>
<tr>
<td>Preparation/Revision Date</td>
<td>07 January 2014</td>
</tr>
</tbody>
</table>

2. Hazards Identification

<table>
<thead>
<tr>
<th>Appearance</th>
<th>Light colored liquid.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Odor</td>
<td>Mild</td>
</tr>
<tr>
<td>Classification</td>
<td>Hazardous to the aquatic environment (acute hazard) category 3</td>
</tr>
<tr>
<td></td>
<td>Hazardous to the aquatic environment (chronic hazard) category 3</td>
</tr>
<tr>
<td>Target Organs</td>
<td>Not determined.</td>
</tr>
<tr>
<td>Signal Word</td>
<td>Not determined.</td>
</tr>
<tr>
<td>Hazard statement</td>
<td>Harmful to aquatic life.</td>
</tr>
<tr>
<td></td>
<td>Harmful to aquatic life with long lasting effects.</td>
</tr>
<tr>
<td>Other Hazards</td>
<td>None identified.</td>
</tr>
<tr>
<td>Precaution(s)</td>
<td>Avoid release to the environment.</td>
</tr>
<tr>
<td>Storage Procedures</td>
<td>Store away from oxidizers.</td>
</tr>
<tr>
<td>Disposal</td>
<td>All disposal practices must be in accordance with local, national and international regulations.</td>
</tr>
</tbody>
</table>

See Section 11 for complete health hazard information.

3. Composition/Information on Ingredients

<table>
<thead>
<tr>
<th>Hazardous Ingredients</th>
<th>Comp</th>
<th>CAS No.</th>
<th>Percentage (by wt.)</th>
<th>Carcinogen</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hydrocarbon polymer</td>
<td></td>
<td>Confidential.</td>
<td>From 5 to 9.9 percent</td>
<td>N/E</td>
</tr>
<tr>
<td>Olefin sulfide</td>
<td></td>
<td>Confidential.</td>
<td>From 1 to 4.9 percent</td>
<td>N/E</td>
</tr>
<tr>
<td>Phosphoric acid esters/amine salt</td>
<td></td>
<td>Confidential.</td>
<td>From 1 to 4.9 percent</td>
<td>N/E</td>
</tr>
<tr>
<td>Alkenyl imidazoline</td>
<td></td>
<td>Confidential.</td>
<td>From 0.1 to 0.9 percent</td>
<td>N/E</td>
</tr>
</tbody>
</table>

4. First Aid Measures

| Eyes       | Rinse cautiously with water for 30 minutes. Remove contact lenses, if present and easy to do. Get medical attention if eye irritation develops or persists. If eye irritation persists, get medical attention. |
| Skin       | Wash with soap and water for 20 minutes or until chemical is removed. Remove contaminated clothing. Get medical attention if irritation develops. Launder contaminated clothing before reuse. |
| Inhalation | Remove exposed person to fresh air if adverse effects are observed. If breathing is labored, administer oxygen. If breathing has stopped, apply artificial respiration. If experiencing respiratory symptoms call a poison center or doctor. |
| Ingestion  | Do NOT induce vomiting. Never give anything by mouth to a person who is losing consciousness, unconscious or convulsing. Call a poison center or doctor if exposed or you feel unwell. |
Advice for the protection of first-aid providers

When providing first aid always protect yourself against exposure to chemicals or blood born diseases by wearing gloves, masks and eye protection. If providing CPR use mouthpieces, resuscitation bags, pocket masks or other ventilation devices. After providing first aid wash your exposed skin with soap and water.

Additional Information

Note to physician: Treat symptomatically.

5
Fire Fighting Measures

Flash Point
137 °C, 278.6 °F PMCC (Typical)

Extinguishing Media
CO₂, dry chemical, foam, water spray, water fog. Water can be used to cool and protect exposed material.

Unsuitable Extinguishing Media
Not determined.

Firefighting Procedures
Wear full protective firegear including self-containing breathing apparatus operated in the positive pressure mode with full facepiece, coat, pants, gloves and boots. Do not direct a solid stream of water on spilled material. Use flooding amounts of water as a fog. Use water to cool containers exposed to fire. A solid stream of water will spread the burning material. Material creates a special hazard because it floats on water. Do not release chemically contaminated water into drains, soil or surface water.

Unusual Fire & Explosion Hazards
Burning may produce irritating, toxic and obnoxious fumes. Container may rupture in a fire situation. DO NOT USE a solid stream of water. See section 10 for additional information.

6
Accidental Release Measures

Personal precaution, protective equipment and emergency procedures
Only trained personnel should be permitted in area. Personal protective equipment must be worn. Ventilate area if spilled in a confined space or other poorly ventilated area. Material on floor may be slippery.

Environmental precaution and protective procedures
Material will float on water. Take precautions to avoid release to the environment. Do not flush into surface water, sanitary sewer or ground water system.

Methods for clean-up and removal
Shut off leak if without risk. Pick up free liquid for recycle and/or disposal. Pump any free liquid into an appropriate closed container. Residual liquid can be absorbed on inert material. Wash spill area with soap and water.

7
Handling and Storage

Pumping Temperature
Ambient

Maximum Handling Temperature
70 °C, 158 °F

Handling Procedures
Use with adequate ventilation. Keep containers closed when not in use. Do not discharge into drains or the environment, dispose to an authorized waste collection point. Use appropriate containment to avoid environmental contamination. Avoid eye contact. Avoid repeated or prolonged skin contact. When handling, do not eat, drink, or smoke. Avoid drinking, tasting, swallowing or ingesting this product. Avoid breathing dust, fume, gas, mist, vapors or spray. Product can accumulate static charge when handled. Equipment should be grounded. Use grounding and bonding connection when transferring material to prevent static discharge, fire and explosion. Use spark-resistant tools. Wash thoroughly after handling. Launder contaminated clothing before reuse. Do not reuse empty containers. Empty containers retain material residue. Do not cut, weld, braze, solder, drill, grind or expose containers to heat, flame, spark or other sources of ignition. Dispose of packaging or containers in accordance with local, regional, national and international regulations.

Maximum Storage Temperature
45 °C, 113 °F

Storage Procedures
Store separately from oxidizers. Take precautions to avoid release to the environment. Store in a cool, dry, well-ventilated area. Odorous and toxic fumes may form from the decomposition of this product if stored at temperatures in excess of 113 deg F (45 deg C) for extended periods of time or if heat sources in excess of 250 deg F (121 deg C) are used. Store separately from incompatible materials. Keep container tightly closed. Do not store in open, unlabeled or mislabeled containers. See section 10 for incompatible materials.

Maximum Loading Temperature
Not determined.

8
Exposure Controls/Personal Protection

Exposure Limits

EU
Not applicable.

UK
Not applicable.

Ireland
Not applicable.

India
Not applicable.

Cyprus
Not applicable.
Other Exposure Limits
Contains mineral oil. Under conditions which may generate mists, observe the OSHA PEL of 5 mg per cubic meter, ACGIH TWA of 5 mg per cubic meter.

Engineering Controls
If use generates a mist or vapor, local exhaust ventilation is recommended. Additional ventilation or exhaust may be required to maintain air concentrations below recommended exposure limits.

Personal Protective Equipment
Respiratory Protection
Use respirator with a combination organic vapor and high efficiency filter cartridge if recommended exposure limit is exceeded. Use self-contained breathing apparatus for entry into confined space, for other poorly ventilated areas and for large spill clean-up sites.

Eye Protection
Safety glasses. If potential for splash or mist exists, wear chemical goggles or faceshield.

Gloves Procedures
Consult clothing/glove manufacturer to determine appropriate type of glove for given situation. Gloves should always be inspected before each use and discarded if they show tears, pinholes, or signs of wear. Use good industrial hygiene practices to avoid skin contact. If contact with the material may occur wear chemically protective gloves.

Clothing Recommendation
Long sleeve shirt is recommended. Do not wear rings, watches or similar apparel that could entrap the material and cause a skin reaction. Launder contaminated clothing before reuse.

Hygiene Measures
Wash thoroughly after handling this product. Do not eat, drink or smoke when using this product.

<table>
<thead>
<tr>
<th>9</th>
<th>Physical and Chemical Properties</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flash Point</td>
<td>137 °C, 278.6 °F PMCC (Typical)</td>
</tr>
<tr>
<td>Upper Flammable Limit</td>
<td>Not determined.</td>
</tr>
<tr>
<td>Lower Flammable Limit</td>
<td>Not determined.</td>
</tr>
<tr>
<td>Autoignition Point</td>
<td>Not determined.</td>
</tr>
<tr>
<td>Decomposition Temperature</td>
<td>Not determined.</td>
</tr>
<tr>
<td>Explosion Data</td>
<td>Material does not have explosive properties.</td>
</tr>
<tr>
<td>Vapor Pressure</td>
<td>Not determined.</td>
</tr>
<tr>
<td>pH</td>
<td>Not determined.</td>
</tr>
<tr>
<td>Specific Gravity</td>
<td>0.88 (15.6 °C)</td>
</tr>
<tr>
<td>Bulk Density</td>
<td>Not determined.</td>
</tr>
<tr>
<td>Water Solubility</td>
<td>Insoluble.</td>
</tr>
<tr>
<td>Percent Solid</td>
<td>Not determined.</td>
</tr>
<tr>
<td>Percent Volatile</td>
<td>Not determined.</td>
</tr>
<tr>
<td>Volatile Organic Compound</td>
<td>Not determined.</td>
</tr>
<tr>
<td>Vapor Density</td>
<td>Not determined.</td>
</tr>
<tr>
<td>Evaporation Rate</td>
<td>Not determined.</td>
</tr>
<tr>
<td>Water/Octanol Coefficient</td>
<td>Not determined.</td>
</tr>
<tr>
<td>Odor</td>
<td>Mild</td>
</tr>
<tr>
<td>Odor Threshold</td>
<td>Not determined.</td>
</tr>
<tr>
<td>Appearance</td>
<td>Light colored liquid.</td>
</tr>
<tr>
<td>Viscosity</td>
<td>Not determined.</td>
</tr>
<tr>
<td>Boiling Point</td>
<td>Not determined.</td>
</tr>
<tr>
<td>Boiling Point Range</td>
<td>Not determined.</td>
</tr>
<tr>
<td>Pour Point Temperature</td>
<td>-47 °C, -53 °F</td>
</tr>
<tr>
<td>Melting / Freezing Point</td>
<td>Not determined.</td>
</tr>
</tbody>
</table>

The above data are typical values and do not constitute a specification. Vapor pressure data are calculated unless otherwise noted.

<table>
<thead>
<tr>
<th>10</th>
<th>Stability and Reactivity</th>
</tr>
</thead>
<tbody>
<tr>
<td>Stability</td>
<td>Material is normally stable at room temperature and pressure. See the Handling and Storage Section for further details.</td>
</tr>
<tr>
<td>Decomposition Temperature</td>
<td>Not determined.</td>
</tr>
<tr>
<td>Incompatibility</td>
<td>Oxidizing agents.</td>
</tr>
<tr>
<td>Polymerization</td>
<td>Will not occur.</td>
</tr>
<tr>
<td>Thermal Decomposition</td>
<td>Smoke, carbon monoxide, carbon dioxide, aldehydes and other products of incomplete combustion. Hydrogen sulfide and alkyl mercaptans and sulfides may also be released. Under combustion conditions, oxides of the following elements will be formed: sulfur.</td>
</tr>
<tr>
<td>Conditions to Avoid</td>
<td>Do not expose to excessive heat, ignition sources, or oxidizing materials.</td>
</tr>
</tbody>
</table>

| 11 | Toxicological Information |
-- ACUTE EXPOSURE --

Eye Irritation
Weak to moderate eye irritant. Does not meet Canadian D2B or EU R36 criteria. Based on data from similar materials.

Skin Irritation
May cause slight skin irritation. Does not meet EU R38 criteria. Based on data from similar materials. Prolonged or repeated skin contact as from clothing wet with material may cause dermatitis. Symptoms may include redness, edema, drying, and cracking of the skin.

Respiratory Irritation
If material is misted or if vapors are generated from heating, exposure may cause irritation of mucous membranes and the upper respiratory tract. Based on data from components or similar materials.

Dermal Toxicity
The LD50 in rabbits is > 2000 mg/Kg. Based on data from components or similar materials.

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

Oral Toxicity
The LD50 in rats is > 10,000 mg/Kg. Based on data from components or similar materials. Swallowing material may cause irritation of the gastrointestinal lining, nausea, vomiting, diarrhea, and abdominal pain. Material can be aspirated into the lungs during the act of swallowing or vomiting. This could result in pulmonary edema and chemical pneumonitis.

Dermal Sensitization
No data available to indicate product or components may be a skin sensitizer.

Inhalation Sensitization
No data available to indicate product or components may be respiratory sensitizers.

Aspiration Hazard
Not determined.

-- CHRONIC EXPOSURE --

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

Carcinogenicity
This product contains mineral oils which are considered to be severely refined and not considered to be carcinogenic under IARC. All of the oils in this product have been demonstrated to contain less than 3% extractables by the IP 346 test.

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

Reproductive Toxicity
No data available to indicate either product or components present at greater than 0.1% that may cause reproductive toxicity.

Teratogenicity
No data available to indicate product or any components contained at greater than 0.1% may cause birth defects.

-- ADDITIONAL INFORMATION --

Other
No other health hazards known.

-- ENVIRONMENTAL TOXICITY --

Freshwater Fish Toxicity
Not determined.

Freshwater Invertebrates Toxicity
Chronic effects expected at 10 - 100 mg/L based on component data.

Algal Inhibition
The acute EC50 is 10 - 100 mg/L based on component data.

Saltwater Fish Toxicity
Not determined.

Saltwater Invertebrates Toxicity
Not determined.

Bacteria Toxicity
Not determined.

Miscellaneous Toxicity
Not determined.

-- ENVIRONMENTAL FATE --

Biodegradation
Adequate data is not available to estimate the biodegradation potential of this material.

Bioaccumulation
10 - 25% of the components potentially bioconcentrate, based on octanol/water coefficients.

Soil Mobility
Not determined.

Notes
None known.

-- TRANSPORT INFORMATION --

ICAO/IATA I
Not regulated.

ICAO/IATA II
Not regulated.

IMDG
Not regulated.

IMDG EMS Fire
Not applicable.

IMDG EMS Spill
Not applicable.

IMDG MFAG
Not applicable.
Review classification requirements before shipping materials at elevated temperatures.

| 15 | Regulatory Information |

-- Global Chemical Inventories --

USA
All components of this material are on the US TSCA Inventory or are exempt.

Other TSCA Reg.
None known.

EU
To obtain information on the REACH compliance status of this product, please visit Lubrizol.com/REACH, or e-mail us at REACH_MSDS_INQUIRIES@Lubrizol.com

Japan
All components are in compliance with the Chemical Substances Control Law of Japan.

Australia
All components are in compliance with chemical notification requirements in Australia.

New Zealand
This product requires notification before sale in New Zealand.

Canada
All components are in compliance with the Canadian Environmental Protection Act and are present on the Domestic Substances List.

Switzerland
This product requires notification before sale in Switzerland.

Korea
All components are in compliance in Korea.

Philippines
All components are in compliance with the Philippines Toxic Substances and Hazardous and Nuclear Wastes Control Act of 1990 (R.A. 6969).

China
This product requires notification in China.

Taiwan
This product requires notification before sale in Taiwan.

Miscellaneous Regulatory Information
Not determined.

-- Other U.S. Federal Regulations --

This product does not contain greater than 1.0% of any chemical substance on the SARA Extremely Hazardous Substances list.

SARA Section 313
This product does not contain greater than 1.0% (greater than 0.1% for carcinogenic substance) of any chemical substances listed under SARA Section 313.

SARA 311 Classifications
| Acute Hazard | Yes |
| Chronic Hazard | No |
| Fire Hazard | No |
| Reactivity Hazard | No |

CERCLA Hazardous Substances
None known.

-- State Regulations --

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: < 0.1 ppm Naphthalene, CAS no. 91-20-3 < 1 ppm Ethyl acrylate, CAS no. 140-88-5 1 ppm Methyl isobutyl ketone, CAS no. 108-10-1 4 ppm Cumene, CAS no. 98-82-8 4 ppm Ethyl benzene, CAS no. 100-41-4

-- Product Registrations --

U.S. Fuel Registration
Not applicable.

Finnish Registration Number
Not Registered

Swedish Registration Number
Not Registered

Norwegian Registration Number
Not Registered

Danish Registration Number
Not Registered

Swiss Registration Number
Not Registered

Italian Registration Number
Not Registered

Miscellaneous Regulatory Information
Not determined.

-- Other / International --

Issuing Department
Product Safety and Compliance Department (440-943-1200)

Created Date
28 August 2012
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