Section 1: Identification

Product identifier

Product Name
- WERCS - Start Your Engines Fuel System Revitalizer

Synonyms
- 593262

Product Code
- 21205; 21206; 21209; 21211; 21212

Relevant identified uses of the substance or mixture and uses advised against

Recommended use
- For professional use only

Restrictions on use
- Read and follow label directions only

Details of the supplier of the safety data sheet

Manufacturer
- Gold Eagle Co.
  4400 S. Kildare Avenue
  Chicago, IL 60632-4372
  United States
  http://www.goldeagle.com/

Telephone (General)
- 773-376-4400

Emergency telephone number

Manufacturer
- 1-800-535-5053 - (INFOTRAC #22283)

Section 2: Hazard Identification

United States (US)
According to: OSHA 29 CFR 1910.1200 HCS

Classification of the substance or mixture

OSHA HCS 2012
- Flammable Liquids 2
  Aspiration 1
  Skin Irritation 2
  Eye Irritation 2
  Acute Toxicity Inhalation 4
  Specific Target Organ Toxicity Single Exposure 3: Respiratory Tract Irritation
  Specific Target Organ Toxicity Single Exposure 3: Narcotic Effects
  Germ Cell Mutagenicity 2
  Reproductive Toxicity 1B
  Specific Target Organ Toxicity Repeated Exposure 2

Label elements

OSHA HCS 2012

DANGER

Hazard statements
- Highly flammable liquid and vapour
- May be fatal if swallowed and enters airways
Causes skin irritation
Causes serious eye irritation
Harmful if inhaled
May cause respiratory irritation
May cause drowsiness or dizziness
Suspected of causing genetic defects.
May damage fertility or the unborn child.
May cause damage to organs through prolonged or repeated exposure.

Precautionary statements

Prevention • Obtain special instructions before use.
Do not handle until all safety precautions have been read and understood.
Keep away from heat, sparks, open flames and/or hot surfaces. - No smoking.
Keep container tightly closed.
Ground and/or bond container and receiving equipment.
Use explosion-proof electrical/ventilating/lighting/equipment.
Use only non-sparking tools.
Take precautionary measures against static discharge.
Do not breathe mists, vapours, and/or spray.
Wash thoroughly after handling.
Use only outdoors or in a well-ventilated area.
Wear protective gloves/protective clothing/eye protection/face protection.

Response • In case of fire: Use appropriate media for extinction.
IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
Call a POISON CENTER or doctor/physician if you feel unwell.
If on skin: Wash with plenty of water.
Take off contaminated clothing and wash before reuse.
Specific treatment, see supplemental first aid information.
If skin irritation occurs: Get medical advice/attention.
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 advice/attention.
IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
Do NOT induce vomiting.
IF exposed or concerned: Get medical advice/attention.

Storage/Disposal • Store in a well-ventilated place. Keep container tightly closed.
Keep cool.
Store locked up.
Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.

Supplemental information • 0 - 15 percent of this product consists of an ingredient of unknown toxicity.

Other hazards

Other information

NFPA

Section 3 - Composition/Information on Ingredients

Substances
• Material does not meet the criteria of a substance.

### Mixtures

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Identifiers</th>
<th>%</th>
<th>LD50/LC50</th>
<th>Classifications According to Regulation/Directive</th>
</tr>
</thead>
<tbody>
<tr>
<td>Meth Tert Butyl Ether</td>
<td>CAS:1634-04-4</td>
<td>60%</td>
<td>Ingestion/Oral-Rat LD50 • 4300 mg/kg</td>
<td>OSHA HCS 2012:</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Inhalation-Rat LC50 • 5000 ppm 4 Hour(s)</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Skin-Rabbit LD50 • &gt;1700 mg/kg</td>
<td></td>
</tr>
<tr>
<td>Xylene</td>
<td>CAS:1330-20-7</td>
<td>20%</td>
<td>Ingestion/Oral-Rat LD50 • 4300 mg/kg</td>
<td>OSHA HCS 2012: Flam. Liq. 3; Acute Tox. 4 (Inhl); Skin Irrit. 2; Eye Irrit. 2; Repr. 1B (Inhl); STOT SE 3: Narc.; STOT SE 3: Resp. Irrit.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Inhalation-Rat LC50 • 5000 ppm 4 Hour(s)</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Skin-Rabbit LD50 • 12800 mg/kg</td>
<td></td>
</tr>
<tr>
<td>Isopropyl alcohol</td>
<td>CAS:67-63-0</td>
<td>20%</td>
<td>Ingestion/Oral-Rat LD50 • 5000 mg/kg</td>
<td>OSHA HCS 2012: Flam. Liq. 3; Acute Tox. 4 (Inhl); Skin Irrit. 2; Muta. 2; Repr. 2; STOT SE 3: Narc.; STOT SE 3: Resp. Irrit.; STOT RE 2 (Eyes, Inhl)</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Inhalation-Rat LC50 • 72600 mg/m³</td>
<td></td>
</tr>
</tbody>
</table>

### Section 4: First-Aid Measures

#### Description of first aid measures

**Inhalation**
- IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention immediately if symptoms occur. If not breathing, give artificial respiration.

**Skin**
- After contact with skin, take off immediately all contaminated clothing and wash immediately with plenty of fresh water. If irritation develops and persists, get medical attention.

**Eye**
- If eye irritation persists: Get medical advice/attention. Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first five minutes, then continue rinsing eye.

**Ingestion**
- If swallowed, seek medical advice immediately and show this container or label.

#### Most important symptoms and effects, both acute and delayed
- No data available

#### Indication of any immediate medical attention and special treatment needed

### Section 5: Fire-Fighting Measures

#### Extinguishing media

**Suitable Extinguishing Media**
- LARGE FIRES: Dry chemical, CO2, alcohol-resistant foam or water spray.
- SMALL FIRES: Dry chemical, CO2, water spray or alcohol-resistant foam.

**Unsuitable Extinguishing Media**
- No data available.

**Firefighting Procedures**
- As an immediate precautionary measure, isolate spill or leak area for at least 50 meters (150 feet) in all directions.
- Keep out of low areas.
- Keep unauthorized personnel away.
- Stay upwind.
Ventilate closed spaces before entering.

Special hazards arising from the substance or mixture

Unusual Fire and Explosion Hazards
- EXTREMELY FLAMMABLE
  May be ignited by friction, heat, sparks or flames. Vapor explosion hazard indoors, outdoors or in sewers.

Hazardous Combustion Products
- Vapor explosion hazard indoors, outdoors or in sewers.

Advice for firefighters
- No data available

Section 6 - Accidental Release Measures

Personal precautions, protective equipment and emergency procedures

Personal Precautions
- Avoid contact with skin, eyes, and clothing. Use appropriate Personal Protective Equipment (PPE) Ventilate the area before entry. Do not breathe mist, vapours and/or spray.

Emergency Procedures
- As an immediate precautionary measure, isolate spill or leak area for at least 50 meters (150 feet) in all directions. No emergency procedures are expected to be necessary if material is used under ordinary conditions as recommended.

Environmental precautions
- LARGE SPILLS: Prevent entry into waterways, sewers, basements or confined areas. SMALL SPILLS: Prevent entry into waterways, sewers, basements or confined areas.

Methods and material for containment and cleaning up

Containment/Clean-up Measures
- Absorb or cover with dry earth, sand or other non-combustible material and transfer to containers.
  All equipment used when handling the product must be grounded.
  LARGE SPILLS: Dike far ahead of spill for later disposal.
  SMALL SPILLS: Take up with sand or other non-combustible absorbent material and place into containers for later disposal.

Section 7 - Handling and Storage

Precautions for safe handling

Handling
- Avoid contact with heat and ignition sources and oxidizers – No Smoking. Avoid contact with skin, eyes, and clothing. Use only in well ventilated areas. Do not breathe mist, vapours and/or spray.

Conditions for safe storage, including any incompatibilities

Storage
- Store in a well-ventilated place. Keep container tightly closed. Avoid contact with heat and ignition sources. Do not use sparking tools.

Section 8 - Exposure Controls/Personal Protection

Control parameters

<table>
<thead>
<tr>
<th>Substance</th>
<th>Exposure Limits/Guidelines</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Result</td>
</tr>
<tr>
<td>Isopropyl alcohol</td>
<td>TWAs</td>
</tr>
<tr>
<td>(67-63-0)</td>
<td>STELs</td>
</tr>
<tr>
<td>Xylene</td>
<td>TWAs</td>
</tr>
<tr>
<td>(1330-20-7)</td>
<td>STELs</td>
</tr>
</tbody>
</table>
Exposure controls

Engineering Measures/Controls

• Adequate ventilation systems as needed to control concentrations of airborne contaminants below applicable threshold limit values. Use only with adequate ventilation to keep exposures (airborne levels of dust, fume, vapor etc) below recommended exposure limits.

Personal Protective Equipment

Respiratory
• In case of insufficient ventilation, wear suitable respiratory equipment.

Eye/Face
• Wear safety glasses.

Hands
• Wear appropriate gloves.

Skin/Body
• No data available.

General Industrial Hygiene Considerations
• Wash thoroughly with soap and water after handling. When using do not smoke, eat, or drink. Avoid contact with skin, eyes or clothing. Handle in accordance with good industrial hygiene and safety practice.

Environmental Exposure Controls
• Follow best practice for site management and disposal of waste.

Section 9 - Physical and Chemical Properties

Information on Physical and Chemical Properties

<table>
<thead>
<tr>
<th>Material Description</th>
<th>Physical Form</th>
<th>Appearance/Description</th>
<th>Water white to pale yellow solvent blend.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physical Form</td>
<td>Liquid</td>
<td>Odor</td>
<td>Solvent</td>
</tr>
<tr>
<td>Color</td>
<td>Water-white to pale yellow.</td>
<td>Odor</td>
<td>No data available</td>
</tr>
<tr>
<td>Odor Threshold</td>
<td>Water=1</td>
<td>Water Solubility</td>
<td>Appreciable 10 to 99 %</td>
</tr>
<tr>
<td>Specific Gravity/Relative Density</td>
<td>0.79 to 0.804 @ 60 °F (15.5556 °C)</td>
<td>Water=1</td>
<td>No data available</td>
</tr>
<tr>
<td>Viscosity</td>
<td>3 Centistoke (cSt, cS) or mm2/sec @ 40 °C (104 °F)</td>
<td>So</td>
<td>No data available</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>General Properties</th>
<th>Boiling Point</th>
<th>Decomposition Temperature</th>
<th>No data available</th>
</tr>
</thead>
<tbody>
<tr>
<td>Boiling Point</td>
<td>160 °F (71.1111 °C)</td>
<td>Decomposition Temperature</td>
<td>No data available</td>
</tr>
<tr>
<td>Specific Gravity/Relative Density</td>
<td>0.79 to 0.804 @ 60 °F (15.5556 °C)</td>
<td>Water=1</td>
<td>No data available</td>
</tr>
<tr>
<td>Viscosity</td>
<td>3 Centistoke (cSt, cS) or mm2/sec @ 40 °C (104 °F)</td>
<td>So</td>
<td>No data available</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Volatility</th>
<th>Vapor Pressure</th>
<th>Vapor Density</th>
<th>No data available</th>
</tr>
</thead>
<tbody>
<tr>
<td>Vapor Pressure</td>
<td>No data available</td>
<td>Vapor Density</td>
<td>No data available</td>
</tr>
<tr>
<td>Evaporation Rate</td>
<td>No data available</td>
<td>VOC (Wt.)</td>
<td>100 %</td>
</tr>
<tr>
<td>VOC (Vol.)</td>
<td>100 %</td>
<td>Volatiles (Wt.)</td>
<td>100 %</td>
</tr>
<tr>
<td>Volatiles (Vol.)</td>
<td>100 %</td>
<td>Autoignition</td>
<td>435.2 °F (224 °C)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Flammability</th>
<th>Flash Point</th>
<th>UEL</th>
<th>15.1 %</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flash Point</td>
<td>-19 °F (-28.3333 °C)</td>
<td>TCC (Tagliabue Closed Cup)</td>
<td>15.1 %</td>
</tr>
</tbody>
</table>

| LEL | 2.5 % | Autoignition | 435.2 °F (224 °C) |

Section 10: Stability and Reactivity

Reactivity

• No dangerous reaction known under conditions of normal use.

Chemical stability

• Stable

Possibility of hazardous reactions

• Hazardous polymerization not indicated.
Conditions to avoid

- Store below 150 F. Do not apply heat or flame to container. Keep separate from strong oxidizing agents.

Incompatible materials

- Strong oxidants.

Hazardous decomposition products

- Carbon dioxide and carbon monoxide under incomplete combustion.

Section 11 - Toxicological Information

Information on toxicological effects

| Components | Acute Toxicity: Ingestion/Oral-Rat LD50 • 3665 mg/kg; Ingestion/Oral-Rat LD50 • 4 g/kg; Inhalation-LC50 • 41000 mg/m³
| --- | --- |
| Isopropyl alcohol (20%) | 67-63-0 | 1330-20-7 | Acute Toxicity: Ingestion/Oral-Rat LD50 • 5000 mg/kg; Behavioral:General anesthetic; Inhalation-Rat LC50 • 16000 ppm 8 Hour(s); Inhalation-Guinea Pig TCLo • 980 mg/m³ 24 Hour(s); Sense Organs and Special Senses:Ear:Other changes; Behavioral:General anesthetic; Lungs, Thorax, or Respiration:Hyperthermia; Blood:Other changes; Inhalation-Human TCLo • 200 ppm; Sense Organs and Special Senses:Optic nerve neuropathy; Inhalation-Rat TCLo • 1000 mg/m³ 6 Hour(s) 4 Week(s)-Continuous; Brain and Coverings:Other degenerative changes: Lungs, Thorax, or Respiration:Other changes; Liver:Multiple effects: Inhalation-Rat TCLo • 100 mg/m³ 4 Hour(s) 17 Week(s)-Intermittent; Kidney, Ureter, and Bladder:Other changes: In urine composition: Blood:Changes in serum composition (e.g., TP, bilirubin cholesterol); Biochemical:Enzyme inhibition, induction, or change in blood or tissue levels:True cholinesterase;
| Meth Tert Butyl Ether (60%) | 1634-04-4 | Acute Toxicity: Ingestion/Oral-Mouse LD50 • 3665 mg/kg; Ingestion/Oral-Rat LD50 • 4 g/kg; Inhalation-LC50 • 41000 mg/m³

GHS Properties

<table>
<thead>
<tr>
<th>Acute toxicity</th>
<th>OSHA HCS 2012 • Acute Toxicity - Inhalation 4 - ATEmix (Inhl) = 7083 ppmV</th>
</tr>
</thead>
<tbody>
<tr>
<td>Skin corrosion/Irritation</td>
<td>OSHA HCS 2012 • Skin Irritation 2</td>
</tr>
<tr>
<td>Serious eye damage/Irritation</td>
<td>OSHA HCS 2012 • Eye Irritation 2</td>
</tr>
<tr>
<td>Potential Health Effects</td>
<td>OSHA HCS 2012 • Specific Target Organ Toxicity Single Exposure 3: Narcotic Effects; Specific Target Organ Toxicity Single Exposure 3: Respiratory Tract Irritation</td>
</tr>
<tr>
<td>------------------------------------------</td>
<td>----------------------------------------------------------------------------------</td>
</tr>
<tr>
<td>STOT-SE</td>
<td>OSHA HCS 2012 • Toxic to Reproduction 1B</td>
</tr>
<tr>
<td>STOT-RE</td>
<td>OSHA HCS 2012 • Specific Target Organ Toxicity Repeated Exposure 2</td>
</tr>
</tbody>
</table>

### Potential Health Effects

#### Inhalation

**Acute (Immediate)**
- May cause respiratory irritation. May affect the central nervous system. Symptoms may include dizziness, drowsiness, lethargy, coma and death. Under normal conditions of use, no health effects are expected.

**Chronic (Delayed)**
- Repeated and prolonged exposure may be harmful. Repeated and prolonged exposure may cause cancer.

#### Skin

**Acute (Immediate)**
- May cause irritation. May affect the central nervous system. Symptoms may include dizziness, drowsiness, lethargy, coma and death. May cause mild irritation.

**Chronic (Delayed)**
- Repeated and prolonged exposure may be harmful. Repeated and prolonged exposure may cause irritation.

#### Eye

**Acute (Immediate)**
- May cause irritation. Under normal conditions of use, no health effects are expected.

**Chronic (Delayed)**
- Under normal conditions of use, no health effects are expected.

#### Ingestion

**Acute (Immediate)**
- May be fatal. May be harmful. Material may be aspirated into lungs during ingestion and/or subsequent vomiting. Aspiration of this material will cause severe lung injury, chemical pneumonitis, pulmonary edema or death.

**Chronic (Delayed)**
- Under normal conditions of use, no health effects are expected.

### Section 12 - Ecological Information

#### Toxicity
- No data available

#### Persistence and degradability
- Non-mandatory section - information about this substance not complied for this reason.

#### Bioaccumulative potential
- Non-mandatory section - information about this substance not complied for this reason.

#### Mobility in Soil
- Non-mandatory section - information about this substance not complied for this reason.

#### Other adverse effects
- Non-mandatory section - information about this substance not complied for this reason.
Ecological Fate
- No data available.

Potential Environmental Effects
- No data available.

Section 13 - Disposal Considerations

Waste treatment methods

Product waste
- Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.

Packaging waste
- Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.

Section 14 - Transport Information

<table>
<thead>
<tr>
<th>UN number</th>
<th>UN proper shipping name</th>
<th>Transport hazard class (es)</th>
<th>Packing group</th>
<th>Environmental hazards</th>
</tr>
</thead>
<tbody>
<tr>
<td>DOT UN1993</td>
<td>Flammable liquids NOS (FP = -19 F) LTD QTY</td>
<td>3</td>
<td>II</td>
<td></td>
</tr>
</tbody>
</table>

Special precautions for user
- None specified. No special precautions.

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code
- No data available

Section 15 - Regulatory Information

Safety, health and environmental regulations/legislation specific for the substance or mixture

SARA Hazard Classifications
- Acute, Chronic, Fire

<table>
<thead>
<tr>
<th>Component</th>
<th>CAS</th>
<th>TSCA</th>
</tr>
</thead>
<tbody>
<tr>
<td>Isopropyl alcohol</td>
<td>67-63-0</td>
<td>Yes</td>
</tr>
<tr>
<td>Meth Tert Butyl Ether</td>
<td>1634-04-4</td>
<td>Yes</td>
</tr>
<tr>
<td>Xylene</td>
<td>1330-20-7</td>
<td>Yes</td>
</tr>
</tbody>
</table>

Other Information
- United States Inventory (TSCA 8b) All Components are listed or exempted.

Section 16 - Other Information

Revision Date
- 19/December/2018

Preparation Date
- 02/March/2016

Other Information
- Schedule B Number: 2909.19.1400.

Disclaimer/Statement of Liability
- Information presented herein is believed to be factual, as it has been derived from the works and opinions of persons believed to be qualified experts. However, nothing contained in this information is to be taken as warranty or representation for which the Gold Eagle Co. bears legal responsibility. The user should review any recommendations in the specific context of the intended use to determine whether...
they are appropriate.