SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier
Product form : Mixture
Product name : Victory Blue Diesel Exhaust Fluid

1.2. Relevant identified uses of the substance or mixture and uses advised against
Use of the substance/mixture : Solution for NOx reduction in SCR systems

1.3. Details of the supplier of the safety data sheet
Old World Industries, LLC
4065 Commercial Ave.
Northbrook, IL 60062 - USA
T (847) 559-2000
www.oldworldind.com

1.4. Emergency telephone number
Emergency number : (800) 424-9300; (703) 527 3887 (International)
Chemtrec

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture
GHS-US classification
Not classified

2.2. Label elements
GHS-US labelling
Signal word (GHS-US) : None
Hazard statements (GHS-US) : None
Precautionary statements (GHS-US) : None

2.3. Other hazards
No additional information available

2.4. Unknown acute toxicity (GHS US)
No data available

SECTION 3: Composition/information on ingredients

3.1. Substances
Not applicable

3.2. Mixtures

<table>
<thead>
<tr>
<th>Name</th>
<th>Product identifier</th>
<th>% by wt</th>
<th>GHS-US classification</th>
</tr>
</thead>
<tbody>
<tr>
<td>water</td>
<td>(CAS-No.) 7732-18-5</td>
<td>67.5</td>
<td>Not classified</td>
</tr>
<tr>
<td>urea</td>
<td>(CAS-No.) 57-13-6</td>
<td>32.5</td>
<td>Not classified</td>
</tr>
</tbody>
</table>

Full text of hazard classes and H-statements : see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures
First-aid measures general : Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
First-aid measures after inhalation : Assure fresh air breathing. Allow the victim to rest.
First-aid measures after skin contact : Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse.
First-aid measures after eye contact : Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persists.
First-aid measures after ingestion : Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.
### 4.2. Most important symptoms and effects, both acute and delayed

Symptoms/effects: Not expected to present a significant hazard under anticipated conditions of normal use.

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

No additional information available

## SECTION 5: Fire-fighting measures

### 5.1. Extinguishing media


Unsuitable extinguishing media: Do not use a heavy water stream.

### 5.2. Special hazards arising from the substance or mixture

No additional information available

### 5.3. Special protective equipment and precautions for fire-fighters

Firefighting instructions: Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire fighting water from entering the environment.

Protection during firefighting: Do not enter fire area without proper protective equipment, including respiratory protection.

## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

General measures: The EPA has no established reportable quantity for spills for this material, secondary containment is not specified.

#### 6.1.1. For non-emergency personnel

Emergency procedures: Evacuate unnecessary personnel.

#### 6.1.2. For emergency responders

Protective equipment: Equip cleanup crew with proper protection.

Emergency procedures: Ventilate area.

### 6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

### 6.3. Methods and material for containment and cleaning up

Methods for cleaning up: Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials. For minor spillages wash down with excess of water. Mop up small spills.

### 6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Precautions for safe handling: Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapor.

### 7.2. Conditions for safe storage, including any incompatibilities

Storage conditions: Keep only in the original container in a cool, well ventilated place away from: Direct sunlight, Heat sources. Keep container closed when not in use.

Incompatible products: Strong bases. Strong acids.

Incompatible materials: Sources of ignition. Direct sunlight.

### 7.3. Specific end use(s)

No additional information available

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

No additional information available

### 8.2. Appropriate engineering controls

No additional information available
Victory Blue Diesel Exhaust Fluid
Safety Data Sheet
according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

8.3. Individual protection measures/Personal protective equipment

Personal protective equipment:
Avoid all unnecessary exposure. Gloves. Protective goggles.

Hand protection:
Wear protective gloves

Eye protection:
Chemical goggles or safety glasses

Respiratory protection:
Wear appropriate mask

Other information:
Do not eat, drink or smoke during use.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

| Physical state | Liquid |
| Color          | Colorless |
| Odor           | characteristic ammonia odor |
| Odor threshold | No data available |
| pH             | 9 - 10 |
| Relative evaporation rate (butylacetate=1) | < 1 |
| Freezing point | -11 °C (12 °F) |
| Boiling point  | > 100 °C (212 °F) |
| Flash point    | No data available |
| Auto-ignition temperature | No data available |
| Decomposition temperature | No data available |
| Flammability (solid, gas) | No data available |
| Vapor pressure | Not Applicable |
| Relative vapor density at 20 °C | 0.6 H2O, >1 |
| Specific Gravity | 1.09 |
| Solubility     | Soluble in water. Water: 100 % |
| Log Pow        | No data available |
| Log Kow        | No data available |
| Viscosity, kinematic | No data available |
| Viscosity, dynamic | No data available |
| Explosive properties | No data available |
| Oxidizing properties | No data available |
| Explosive limits | No data available |

9.2. Other information
No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity
No additional information available
10.2. Chemical stability
Stable under normal conditions.

10.3. Possibility of hazardous reactions
Not established.

10.4. Conditions to avoid
No additional information available

10.5. Incompatible materials
Strong acids. Strong bases. oxidizing agents (peroxides, chromates, dichromates).

10.6. Hazardous decomposition products

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity : Not classified

<table>
<thead>
<tr>
<th>urea (57-13-6)</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>LD50 oral rat</td>
<td>8,471.00 mg/kg (Rat; OECD 401: Acute Oral Toxicity; Literature study; 14300 mg/kg bodyweight; Rat; Experimental value)</td>
</tr>
<tr>
<td>LD50 dermal rat</td>
<td>&gt; 3,200.00 mg/kg (Rat; Literature study)</td>
</tr>
<tr>
<td>LD50 dermal rabbit</td>
<td>&gt; 21,000.00 mg/kg (Rabbit; Literature study)</td>
</tr>
<tr>
<td>ATE US (oral)</td>
<td>8,471.00 mg/kg bodyweight</td>
</tr>
</tbody>
</table>

Skin corrosion/irritation : Not classified  
 pH: 9 - 10

Serious eye damage/irritation : Not classified  
 pH: 9 - 10

Respiratory or skin sensitisation : Not classified

Germ cell mutagenicity : Not classified

Carcinogenicity : Not classified

Reproductive toxicity : Not classified

Specific target organ toxicity (single exposure) : Not classified

Specific target organ toxicity (repeated exposure) : Not classified

Aspiration hazard : Not classified

Potential adverse human health effects and symptoms : Based on available data, the classification criteria are not met.

SECTION 12: Ecological information

12.1. Toxicity

<table>
<thead>
<tr>
<th>urea (57-13-6)</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>LC50 fish 1</td>
<td>&gt; 6,810.00 mg/l (LC50; 96 h; Leuciscus idus; Static system)</td>
</tr>
<tr>
<td>EC50 Daphnia 1</td>
<td>&gt; 10,000.00 mg/l (EC50; 48 h; Daphnia magna)</td>
</tr>
<tr>
<td>Threshold limit algae 1</td>
<td>&gt; 10000 mg/l (EC0; 168 h; Scenedesmus quadricauda; Static system; Fresh water)</td>
</tr>
</tbody>
</table>

12.2. Persistence and degradability

<table>
<thead>
<tr>
<th>urea (57-13-6)</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>ThOD</td>
<td>0.27 g O₂/g substance</td>
</tr>
</tbody>
</table>

12.3. Bioaccumulative potential
**Victory Blue Diesel Exhaust Fluid**

**Safety Data Sheet**

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

---

### urea (57-13-6)

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>BCF fish 1</td>
<td>1.00 (BCF; 72 h; Brachydanio rerio)</td>
</tr>
<tr>
<td>BCF other aquatic organisms 1</td>
<td>11,700.00 (BCF)</td>
</tr>
<tr>
<td>Log Pow</td>
<td>&lt; -1.73 (Experimental value; EU Method A.8: Partition Coefficient)</td>
</tr>
<tr>
<td>Bioaccumulative potential</td>
<td>Bioaccumulation: not applicable.</td>
</tr>
</tbody>
</table>

### 12.4. Mobility in soil

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mobility in soil</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Log Koc</td>
<td>Koc, 0.037-0.064; Experimental value</td>
</tr>
</tbody>
</table>

### 12.5. Other adverse effects

- **Effect on ozone layer**: No additional information available
- **Effect on global warming**: No known effects from this product. No additional information available
- **Other information**: Avoid release to the environment.

---

**SECTION 13: Disposal considerations**

#### 13.1. Waste treatment methods

**Product/Packaging disposal recommendations**: As a non-hazardous liquid waste, it should be solidified with stabilizing agents such as sand, fly ash, or clay absorbent, so that no free liquid remains before disposal to an industrial waste landfill.

**Ecology - waste materials**: Avoid release to the environment.

---

**SECTION 14: Transport information**

- **Department of Transportation (DOT)**
  - In accordance with DOT
  - Not regulated

- **Transportation of Dangerous Goods**
  - **Refer to current TDG Canada for further Canadian regulations**

- **ADR**
  - Not regulated

- **Transport by sea**
  - Not regulated

- **Air transport**
  - Not regulated

---

**SECTION 15: Regulatory information**

#### 15.1. US Federal regulations

- **Victory Blue Diesel Exhaust Fluid**
  - **EPA TSCA Regulatory Flag**: Toxic Substances Control Act (TSCA): The intentional ingredients of this product are listed
  - **CERCLA RQ**: None. This material is not classified as hazardous under U.S. EPA regulations.
  - **SARA Section 302 Threshold Planning Quantity (TPQ)**: No extremely hazardous substances are in this product.
  - **SARA Section 311/312 Hazard Classes**: Urea. No hazards resulting from the material as supplied.

- **urea (57-13-6)**
  - **EPA TSCA Regulatory Flag**: Toxic Substances Control Act (TSCA): The intentional ingredients of this product are listed
  - **SARA Section 311/312 Hazard Classes**: Immediate (acute) health hazard

- **water (7732-18-5)**
  - Listed on the United States TSCA (Toxic Substances Control Act) inventory
Victory Blue Diesel Exhaust Fluid
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15.2. International regulations

CANADA

| WHMIS Classification | This SDS has been prepared according to the criteria of the Hazardous Products Regulations (HPR) (WHMIS 2015) and the SDS contains all of the information required by the HPR. Applicable GHS information is listed in section 2.2 of this SDS. |

EU-Regulations
No additional information available

National regulations

<table>
<thead>
<tr>
<th>Victory Blue Diesel Exhaust Fluid</th>
</tr>
</thead>
</table>

DSL (Canada): The intentional ingredients of this product are listed

<table>
<thead>
<tr>
<th>urea (57-13-6)</th>
</tr>
</thead>
</table>

DSL (Canada): The intentional ingredients of this product are listed
EINECS (Europe): The intentional ingredients of this product are listed

15.3. US State regulations
California Proposition 65 - This product does not contain any substance(s) known to the state of California to cause cancer, developmental toxicity and/or reproductive toxicity

SECTION 16: Other information

Revision date : 04/21/2017

NFPA health hazard : 1 - Materials that, under emergency conditions, can cause significant irritation.

NFPA fire hazard : 0 - Materials that will not burn under typical dire conditions, including intrinsically noncombustible materials such as concrete, stone, and sand.

NFPA reactivity : 0 - Material that in themselves are normally stable, even under fire conditions.

Hazard Rating
Health : 1 Slight Hazard - Irritation or minor reversible injury possible
Flammability : 0 Minimal Hazard - Materials that will not burn
Physical : 0 Minimal Hazard - Materials that are normally stable, even under fire conditions, and will NOT react with water, polymerize, decompose, condense, or self-react. Non-Explosives.

Personal protection B - Safety glasses, Gloves

SDS GHS US (GHS HazCom 2012) OWI

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