Section 1: Product & Company Identification

Product Name: CI-WOS
Product Use: Corrosion Inhibitor
Chemical Name and/or Family: Blend

Company Information: Plant Facility: CoilChem, LLC
           3928 Hwy 80
           Rayville, LA 71269
           (318) 728-6565

           Corporate Office: CoilChem, LLC
           2103 East Ladd Rd
           Washington, OK 73093
           (405) 392-2505

Emergency Information: Contact Infotrac: 1-800-535-5053
S.D.S. Revision Date: January 8, 2015

Section 2: Hazards Identification

Our hazard evaluation has identified the following chemical ingredient(s) as hazardous. One or more component is being claimed as a trade secret under OSHA’s Hazard Communication Rule, 29 CFR 1910.1200. Consult Section 15 (Regulatory Information) for the nature of the hazard(s).

Section 3: Composition/Information on Ingredients

<table>
<thead>
<tr>
<th>Ingredient(s)</th>
<th>CAS Number</th>
<th>Approximate Wt. %</th>
</tr>
</thead>
<tbody>
<tr>
<td>Isopropanol</td>
<td>67-63-0</td>
<td>Confidential</td>
</tr>
</tbody>
</table>

DANGER! May cause irritation to skin and eyes. Prolonged inhalation of vapor may be harmful. Do not use, store, spill or pour near heat, sparks or open flame. Use with adequate ventilation. Avoid prolonged or repeated breathing of vapor. Avoid contact with skin, eyes or clothing.

Section 4: First-Aid Measures

**Eyes:** Remove victim from exposure and into fresh air. Immediately flush with water for at least 15 minutes while holding eyelids open. Call a physician at once.

**Skin:** Remove contaminated clothing. Immediately wash exposed area with soap and water for at least 15 minutes. For a large splash, flood body under a shower. Call a physician at once. Launder clothes before reuse.

**Ingestion:** Do not induce vomiting. Give water. Call a physician at once. If possible, do not leave victim unattended.

**Inhalation:** Remove to fresh air. If breathing is difficult, administer oxygen. Treat symptoms. Keep victim warm and quiet. Seek immediate medical attention.

**CAUTION:** If unconscious, having trouble breathing or in convulsions, do not induce vomiting or give water.
Section 5: Fire Fighting Measures

Flash Point: > 212°F
Lower Explosive Limit: N/D
Upper Explosive Limit: N/D

Extinguishing Media:
Based on NFPA guide, use water fog, dry chemical, foam, carbon dioxide or other extinguishing agent suitable for Class B fires. Use water to cool containers exposed to fire. For large fires, use water spray or fog, thoroughly drench the burning material.

Unusual Fire And Explosion Hazards:
May evolve CO, CO₂ and/or NOₓ under fire conditions. Containers exposed in a fire should be cooled with water to prevent vapor pressure buildup leading to rupture.

Section 6: Accidental Release Measures

Spill Control and Recovery:
Small Spills: Contain with absorbent material, such as clay, soil or any commercially available absorbent. Shovel reclaimed liquid and absorbent into recovery or salvage drums for disposal. Refer to CERCLA in Section 15 (Regulatory Information).

Large Spills: Dike and prevent further movement and reclaim into recovery or salvage drums or tank truck for disposal. Refer to CERCLA in Section 14.

For large indoor spills, evacuate employees and ventilate area. Eliminate all sources of spark or flame. Those responsible for control and recovery should wear the protective equipment specified in Section 8. Ventilate area and evacuate employees from exposure if the airborne concentration exceeds the TLV. Refer to Section 14.

Prevent flow/discharge into lakes, ponds, streams, waterways or public water supplies.

Section 7: Handling & Storage

Precautionary Handling:
Avoid contact with skin, eyes, and clothing. After handling this product, wash hands before eating, drinking, or smoking. If contact occurs, remove contaminated clothing. If needed, take emergency first aid action shown in Section 4 (First-Aid Measures).

Storage:
Store in a dry well-ventilated area. Keep container closed when not in use. Follow safe warehousing practices.
Section 8: Exposure Controls/ Personal Protection

Primary Route(s) Of Exposure: Eye, Inhalation, Skin

Eye Contact: Irritating to the eyes with possible permanent damage depending on the length of exposure and on the first aid action given. Symptoms may include stinging, tearing, redness and swelling.

Skin Contact: Can cause mild to severe skin irritation depending on the length of exposure and on the first aid action given. Symptoms may include redness and burning. Can cause allergic contact dermatitis in susceptible individuals.

Ingestion: Ingestion of this product may cause central nervous system depression, abdominal distress, with nausea, vomiting and diarrhea probable depending on the first aid action given.

Inhalation: Prolonged inhalation of mist or vapor in excess of the recommended exposure limits can be harmful, causing nausea, irritation, dizziness, light-headedness, vomiting, fatigue, headache or unconsciousness depending on the length of exposure and the first aid action given.

Symptoms Of Exposure: ACUTE: A review of available data does not identify any symptoms from exposure not previously mentioned.

CHRONIC: Prolonged skin contact can cause dry skin and defatting resulting in irritation and dermatitis. See Section 6 for additional information.

Respiratory Protection: Respiratory protection is not normally needed under typical use and handling conditions. If it is possible to generate significant levels of vapors, mists or smoke, a NIOSH approved or equivalent respirator is recommended. For large spills, entry into large tanks, vessels or enclosed small spaces with inadequate ventilation, a positive pressure, self-contained breathing apparatus is recommended.

Ventilation: General ventilation is recommended. Additionally, local exhaust ventilation is recommended where vapors, mists or aerosols may be released.

Protective Equipment: Wear impermeable gloves, boots, apron and face shield with chemical splash goggles. A full slicker suit is recommended if gross exposure is possible.

The availability of an eye wash fountain and safety shower are recommended. If clothing is contaminated, remove clothing and thoroughly wash the affected area. Launder contaminated clothing before reuse.

Section 9: Physical & Chemical Properties

Appearance: Light Amber
Odor: Alcohol
Specific Gravity: 0.98-1.01
Density: 8.29
pH (neat): 7.5-8.5
Viscosity: ~25 cst @ 100°F
Solubility: Water Soluble
Pour Point: 10°F
Initial Boiling Point: 212°F  
Vapor Pressure: N/D  
Vapor Density: N/D  
Evaporation Rate: N/D  

*Note:* These physical properties are typical values for this product and not specifications.

**Section 10: Stability & Reactivity**

**Incompatibility:** Avoid contact with strong oxidizers (eg. chlorine, peroxides, chromates, nitric acid, perchlorates, concentrated oxygen, permanganates) which can generate heat, fires, explosions and the release of toxic fumes.

**Thermal Decomposition Products:** In the event of combustion CO, CO₂ and/or NOₓ may be formed. Do not breathe smoke or fumes. Wear suitable protective equipment.

**Section 11: Toxicological Information**

**Toxicity Studies**

No teratogenic effects were, or have been reported. There are no reports of adverse reproductive effects in humans exposed to this chemical.

**Section 12: Ecological Information**

If released into the environment, see CERCLA in Section 15 (Regulatory Information).

**Section 13: Disposal Considerations**

**Waste Disposal Method:** This product, in its original form, is not considered to be a hazardous waste. However, contact with other materials may change the characteristics of the waste product. Re-evaluate all waste(s) and follow applicable Federal, State and Local Regulations for disposal.

**EPA Hazard Waste Codes:** None

**Section 14: Transportation Information**

The proper shipping name and/or hazard class for this product may vary according to packaging, properties and mode of transportation. Typical proper shipping names for this product are:

**Pails & Drums:** Not D.O.T. Regulated  
**Totes & Bulk:** Not D.O.T. Regulated  
**Hazard Class:** None  
**Hazardous Components:** Isopropanol  
**RQ lbs:** None  
**RQ Component(s):** None
Section 15: Regulatory Information

The following regulations apply to this product:

Federal Regulations:

OSHA’s Hazard Communication Rule, 219 CFR 1910.1200:
Based on our hazard evaluation, the following ingredients in this product are hazardous and the reasons are shown below.

- Isopropanol – Flammable

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>ACGIH/TLV</th>
<th>OSHA/PEL</th>
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<tbody>
<tr>
<td>Isopropanol</td>
<td>TWA 400 ppm, STEL 500 ppm</td>
<td></td>
</tr>
</tbody>
</table>

CERCLA/Superfund, 40 CFR 117, 302:
This product does not contain any Reportable Quantity (RQ) substance.

SARA/Superfund Amendments and Reauthorization Act Of 1986
(Title III) – Sections 302, 311, 312 and 313:

Section 302 – Extremely Hazardous Substance (40 CFR 355):
This product does not contain ingredients listed in Appendix A and B as an Extremely Hazardous Substance

Section 313 – List of Toxic Chemicals (40 CFR 372):
This product contains the following ingredient(s), (with CAS# and % range) which appear(s) on the List Of Toxic Chemicals:

- None

Toxic Substance Control Act (TSCA) (40 CFR 710):
The chemical ingredients in this product are on the 8 (b) inventory list.

Resource Conservation Recovery Act (RCRA), 40 CFR 261 Subpart C & D:
Consult Section 11 for RCRA classification.

Federal Water Pollution Control Act, Clean Water Act, 40 CFR 401.15 (formerly Sec. 307), 40 CFR 116, (formerly Sec. 311):
None of the ingredients of this product are specifically listed.

Clean Air Act, Sec 111 (40 CFR60), Sec 112 (40 CFR 61, 1990 Amendments), Sec 611 (40 CFR 82, Class I and II Ozone Depleting Substances):
This product contains the following ingredients covered by the Clean Air Act:

- Isopropanol – Section 111
State Regulations:

**California Proposition 65:**
This product does not contain any chemicals which require warning under California Proposition 65.

**Michigan Critical Materials:**
This product does not contain any ingredients listed on the Michigan Critical Materials Register.

**State Right To Know Laws:**
This product is regulated in those states using the TLV for isopropanol as criteria for listing.

**Section 16: Other Information**

This product’s safety information is provided to assist our customers in assessing compliance with health, safety and environmental regulations. The information contained herein, is based on data available to us and is believed to be accurate, although no guarantee or warranty is provided by this company in this respect. Since the use of this product is within the exclusive control of the user, it is the user’s obligation to determine the conditions of safe use of this product. Such conditions should comply with all Federal regulations concerning the product. *All materials in this product are produced in compliance with Public Law 94-469 (also known as the “Toxic Substances Control Act” of 1976).*