SAFETY DATA SHEET

SECTION 1: Identification of the substance/mixture and of the company/undertaking
1.1. Product identifier
Product Name: SINCLAIR R&O 46 5GL 010#1021
Product Code: SI52465G (Sinclair Code: 550-008)

1.2. Relevant identified uses of the substance or mixture and uses advised against
Recommended use: Hydraulic Oil
Recommended restrictions: Not applicable

1.3. Details of the supplier of the safety data sheet
Manufacturer: Warren Distribution, Inc.
727 S. 13th Street
Omaha, NE 68102
Information Phone: +01 (800) 825-1235 +01 (402) 341-9397
E-mail: sds@wd-wpp.com

1.4. Emergency telephone number
Emergency phone number: CHEMTREC: +1 (800) 424-9300
International: +01 (703) 527-3887

SECTION 2: Hazards identification
2.1. Classification of the substance or mixture
Not classified under GHS

2.2. Label elements

2.3. Other hazards
Hazards not otherwise classified: Avoid prolonged or repeated skin contact with used fluid.

Unknown acute toxicity (GHS-US)

SECTION 3: Composition/information on ingredients
Chemical Name % CAS # GHS Classification
Components not listed are not physical or health hazards as defined in 29 CFR 1910.1200 (Hazard Communication Standard).

SECTION 4: First aid measures
4.1. Description of first aid measures
Inhalation: Remove to fresh air. If breathing is difficult, have a trained individual administer oxygen.
Eyes: None expected to be needed, however, use an eye wash to remove a chemical from your eye regardless of the level of hazard.
Skin Contact: Wash with soap and water. Get medical attention if irritation develops or persists. Seek medical advice if symptoms persist.
Ingestion: Minimal risk of harm if swallowed. Do not induce vomiting. Seek medical attention immediately. Provide medical care provider with this SDS.

4.2. Most important symptoms and effects, both acute and delayed
Symptoms: Not determined

4.3. Indication of any immediate medical attention and special treatment needed
Note to Doctor: Aspiration during swallowing or vomiting may severely damage the lungs. If evacuation of stomach contents is necessary, use method least likely to cause aspiration.
SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable and Unsuitable Extinguishing Media:

Use alcohol resistant foam, carbon dioxide, or dry chemical when fighting fires. Water or foam may cause frothing if liquid is burning but it still may be a useful extinguishing agent if carefully applied to the surface of the fire. Do not direct a stream of water into the hot burning liquid.

5.2. Special hazards arising from the substance or mixture

Fire and/or Explosion Hazards

Material may be ignited only if preheated to temperatures above the high flash point, for example in a fire.

5.3. Advice for firefighters

Fire Fighting Methods and Protection

Do not enter fire area without proper protection including self-contained breathing apparatus and full protective equipment. Use methods for the surrounding fire.

Hazardous Combustion Products

Carbon monoxide, Smoke

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General Measures: No data available.

6.2. Environmental precautions

Do not flush to sewer. Avoid runoff into storm sewers and ditches that lead to waterways. Remove from water surface by skimming or with suitable absorbents. Do not use dispersants.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up: Prevent the spread of any spill to minimize harm to human health and the environment if safe to do so. Wear complete and proper personal protective equipment following the recommendation of Section 8 at a minimum. Dike with suitable absorbent material like granulated clay. Dispose of according to Federal, State, Local, or Provincial regulations. Used fluid should be disposed of at a recycling center.

6.4. Reference to other sections

Follow all protective equipment recommendations provided in Section 8.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

No special handling instructions due to toxicity.

7.2. Conditions for safe storage, including any incompatibilities

Store in a cool dry place. Isolate from incompatible materials.

Incompatible materials

See Section 10.

7.3. Specific end use(s)

Hydraulic Oil

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Occupational Exposure Limits</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Oil mist, mineral</td>
<td>OSHA PEL</td>
<td>5 mg/m3</td>
</tr>
<tr>
<td>Oil mist, mineral</td>
<td>ACGIH TLV-TWA</td>
<td>5 mg/m3</td>
</tr>
<tr>
<td>Oil mist, mineral</td>
<td>ACGIH STEL</td>
<td>10 mg/m3</td>
</tr>
<tr>
<td>None</td>
<td>IDLH</td>
<td></td>
</tr>
<tr>
<td>None</td>
<td>OSHA PEL-Skin Notation</td>
<td></td>
</tr>
</tbody>
</table>

8.2. Exposure controls

Engineering Measures

Use local exhaust ventilation or other engineering controls to minimize exposures and maintain operator comfort.

Respiratory Protection

Respiratory protection may be required to avoid overexposure when handling this product. General or local exhaust ventilation is the preferred means of protection. Use a respirator if general room ventilation is not available or sufficient to eliminate symptoms.
SAFETY DATA SHEET

8.2. Exposure controls
Respirator Type(s)  None required where adequate ventilation is provided. If airborne concentrations are above the applicable exposure limits, use NIOSH/MSHA approved respiratory protection.
Eye Protection  No special requirements under normal industrial use.
Skin Protection  Not normally considered a skin hazard. Where use can result in skin contact, practice good personal hygiene. Wash hands and other exposed areas with mild soap and water before eating, drinking, and when leaving work.
Gloves  Neoprene, Nitrile

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties
Physical State  Liquid
Color  Amber
Odor  Mild
Odor threshold  Not determined
pH  Not determined
Freezing point  -20
Boiling Point  Not determined
Flash Point (°C)  207
Flash Point Method  COC
Evaporation Rate  Not determined
Upper Flammable/Explosive Limit, % in air  Not established
Lower Flammable/Explosive Limit, % in air  Not established
Flammability (solid, gas)  Not applicable
Vapor pressure  <0.20
Vapor Density  Not determined
Relative Density  0.87
Solubility in Water  Negligible; 0-1%
Octanol/Water Partition Coefficient  Not determined
Autoignition Temperature  Not determined
Decomposition Temperature  Not determined
Viscosity (°C)  46.65

9.2. Other information
Volatile, % by weight  0.000000

SECTION 10: Stability and reactivity

10.1. Reactivity  No data available.
10.2. Chemical stability  Stable under normal conditions.
10.3. Possibility of hazardous reactions  Hazardous polymerization will not occur.
10.4. Conditions to avoid  Temperatures above the high flash point of this combustible material in combination with sparks, open flames, or other sources of ignition. Moisture (will lead to product performance degradation).
10.5. Incompatible materials  Strong oxidizing agents
10.6. Hazardous decomposition products  Carbon monoxide, Smoke

SECTION 11: Toxicological information

11.1. Information on toxicological effects
Ingestion Toxicity  No hazard in normal industrial use. Estimated to be > 5.0 g/kg.
Skin Contact  Likely to be non-irritating to skin based on animal data. No hazard in normal industrial use.
Absorption  Likely to be practically non-toxic based on animal data.
Inhalation Toxicity  No hazard in normal industrial use. Likely to be practically non-toxic based on animal data.
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SECTION 11: Toxicological information

Eye Contact
This material is likely to be non-irritating to eyes based on animal data. No hazard in normal industrial use.

Sensitization
Non-hazardous under Respiratory Sensitization category. No data available to indicate product or components may be a skin sensitizer.

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

Carcinogenicity
Not expected to cause cancer. This product meets the IP-346 criteria of <3% PAH's and is not considered a carcinogen by the International Agency for Research on Cancer.

Reproductive and Developmental Toxicity
No data available to indicate product or any components present at greater than 0.1% may cause birth defects.

Specific target organ toxicity-Single exposure
Non-hazardous under Specific Target Organ Systemic Toxicity Single Exposure category.

Specific target organ toxicity-Repeated exposure
Non-hazardous under Specific Target Organ Systemic Toxicity Repeated Exposure category.

Aspiration toxicity
Non-hazardous under Aspiration category.

Other information
No data available.

Agents Classified by IARC Monographs

Arsenic IARC Group 1
Ethylene oxide IARC Group 1
Not applicable IARC Group 2A
Ethyl acrylate IARC Group 2B
1,4-Dioxane IARC Group 2B
Propylene oxide IARC Group 2B

National Toxicity Program (NTP) Status

Arsenic Known Human Carcinogen
Ethylene oxide Known Human Carcinogen
1,4-Dioxane Reasonably Anticipated To Be A Human Carcinogen
Propylene oxide Reasonably Anticipated To Be A Human Carcinogen

SECTION 12: Ecological information

12.1. Toxicity
Acute Aquatic ecotoxicity: Non-hazardous under Aquatic Acute Environment category.
Chronic Aquatic ecotoxicity: Non-hazardous under Aquatic Chronic Environment category.

12.2. Persistence and degradability
Biodegrades slowly.

12.3. Bioaccumulative potential
Bioconcentration may occur.

12.4. Mobility in soil
This material is expected to have essentially no mobility in soil. It absorbs strongly to most soil types.

12.5. Results of PBT and vPvB assessment
No data available.

12.6. Other adverse effects
Not determined

SECTION 13: Disposal considerations

13.1. Waste treatment methods
Disposal Methods
Dispose of according to Federal, State, Local, or Provincial regulations. Recycle used oil.

Waste Disposal Code(s)

Waste Description for Spent Product
Spent or discarded material is non-hazardous according to environmental regulations.

Contaminated packaging:
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SECTION 13: Disposal considerations
Recycle containers whenever possible.
Recycle containers whenever possible.

SECTION 14: Transport information
DOT Basic Description
Not classified as hazardous for transport (DOT, TDG, IMO/IMDG, IATA/ICAO).

SECTION 15: Regulatory information

Chemical Inventories

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Regulation</th>
<th>CAS #</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>None.</td>
<td>CERCLA</td>
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<tr>
<td>Diphenylamine</td>
<td>SARA 313</td>
<td>122-39-4</td>
<td>0.01 - 0.1</td>
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<tr>
<td>Ethyl acrylate</td>
<td>SARA 313</td>
<td>140-88-5</td>
<td>0.001- 0.01</td>
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<tr>
<td>Arsenic</td>
<td>SARA 313</td>
<td>7440-38-2</td>
<td>&lt;10ppm</td>
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<tr>
<td>Toluene</td>
<td>SARA 313</td>
<td>108-88-3</td>
<td>&lt;10ppm</td>
</tr>
<tr>
<td>1,4-Dioxane</td>
<td>SARA 313</td>
<td>123-91-1</td>
<td>&lt;10ppm</td>
</tr>
<tr>
<td>Ethylene oxide</td>
<td>SARA 313</td>
<td>75-21-8</td>
<td>&lt;10ppm</td>
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<td>Propylene oxide</td>
<td>SARA 313</td>
<td>75-56-9</td>
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<td>None.</td>
<td>SARA EHS</td>
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<tr>
<td>None.</td>
<td>TSCA 12b</td>
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U.S. State Regulations

<table>
<thead>
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<th>Chemical Name</th>
<th>Regulation</th>
<th>CAS #</th>
<th>%</th>
</tr>
</thead>
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<tr>
<td>Ethyl acrylate</td>
<td>California Prop 65-Cancer</td>
<td>140-88-5</td>
<td>0.001- 0.01</td>
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<tr>
<td>1,4-Dioxane</td>
<td>California Prop 65-Cancer</td>
<td>123-91-1</td>
<td>&lt;10ppm</td>
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<tr>
<td>Ethylene oxide</td>
<td>California Prop 65-Cancer</td>
<td>75-21-8</td>
<td>&lt;10ppm</td>
</tr>
<tr>
<td>Propylene oxide</td>
<td>California Prop 65-Cancer</td>
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<tr>
<td>Toluene</td>
<td>California Prop 65- Dev. Toxicity</td>
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<td>&lt;10ppm</td>
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<tr>
<td>Ethylene oxide</td>
<td>California Prop 65- Dev. Toxicity</td>
<td>75-21-8</td>
<td>&lt;10ppm</td>
</tr>
<tr>
<td>Ethylene oxide</td>
<td>California Prop 65- Reprod -fem</td>
<td>75-21-8</td>
<td>&lt;10ppm</td>
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<tr>
<td>Ethylene oxide</td>
<td>California Prop 65- Reprod-male</td>
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<td>&lt;10ppm</td>
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<td>None.</td>
<td>Massachusetts RTK List</td>
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<td>None.</td>
<td>New Jersey RTK List</td>
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<td>None.</td>
<td>Pennsylvania RTK List</td>
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<td>None.</td>
<td>Rhode Island RTK List</td>
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<tr>
<td>None.</td>
<td>Minnesota Hazardous Substance List</td>
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<td></td>
</tr>
</tbody>
</table>

HMIS Ratings:
| Health: | 0 |
| Fire:    | 1 |
| Reactivity: | 0 |

NFPA Ratings:
| Health: | 0 |
| Fire:    | 1 |
| Reactivity: | 0 |
PPE: B

KEY: 0 - Least  1 - Slight  2 - Moderate  3 - High  4 – Extreme

SECTION 16: Other information

Revision Date 10/23/2015 10:08:13 AM
Supersedes: 6/8/2012 3:34:35 PM

References
- ACGIH: American Conference of Governmental Industrial Hygienists
- AIHA: American Industrial Hygiene Association
- CFR: Code of Federal Regulations
- DOT: United States Department of Transportation
- GHS: Globally Harmonized System of Classification and Labeling of Chemicals
- HMIS: Hazardous Materials Identification System
- IARC: International Agency for Research on Cancer
- IATA: International Air Transportation Association
- IDLH: Immediately Dangerous to Life or Health
- IMDG: International Maritime Dangerous Goods
- NFPA: National Fire Protection Association
- NIOSH: National Institute for Occupational Safety and Health
- NTP: National Toxicology Program
- OSHA: Occupational Safety and Health Administration
- PEL: Permissible Exposure Limit
- RTK: Right-to-Know
- SARA: Superfund Amendments and Reauthorization Act
- STEL: Short-term Exposure Limit
- TLV: Threshold limit value
- TSCA: Toxic Substances Control Act
- TWA: Time weighted average
- UN: United Nations
- WHMIS: Workplace Hazardous Materials Information System

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