SAFETY DATA SHEET

SECTION 1 PRODUCT and COMPANY INFORMATION

TRADE NAME: Castle® Iron Man™

MANUFACTURED FOR: Castle Products, Inc.
424 St. Paul Street
Rochester, NY 14605
800-876-0222 • FAX 585-325-4514
EMERGENCY 585-275-3232

PRODUCT TYPE: Chain and Cable Lube
PRODUCT CODE: C1622

SECTION 2 HAZARD IDENTIFICATION

EMERGENCY OVERVIEW: WARNING: Gases Under Pressure, Flammable, Irritant

POTENTIAL HEALTH EFFECTS:
- Eyes: Vapors may irritate
- Skin: May cause irritation
- Inhalation: Inhalation of solvents may cause irritation. Propellant is a simple asphyxiant.
- Ingestion: May cause headache, nausea, vomiting, and weakness.

SECTION 3 COMPOSITION INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>INGREDIENTS</th>
<th>CAS #</th>
<th>PEL</th>
<th>TLV</th>
<th>STEL</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mixture of severely hydrotreated paraffinic oils with proprietary additives</td>
<td>64742-52-5</td>
<td>10 mg/m3</td>
<td>NE</td>
<td>NE</td>
<td>30-60%</td>
</tr>
<tr>
<td>Mineral spirits</td>
<td>64742-47-8</td>
<td>100 ppm</td>
<td>NE</td>
<td>NE</td>
<td>10-30%</td>
</tr>
<tr>
<td>Residual oils, petroleum, solvent dewaxed</td>
<td>64742-62-7</td>
<td>5 mg/m3</td>
<td>NE</td>
<td>NE</td>
<td>10-30%</td>
</tr>
<tr>
<td>Propane</td>
<td>74-98-6</td>
<td>1000 ppm</td>
<td>NE</td>
<td>NE</td>
<td>5-10%</td>
</tr>
<tr>
<td>Isobutane</td>
<td>75-28-5</td>
<td>1000 ppm</td>
<td>NE</td>
<td>NE</td>
<td>1-5%</td>
</tr>
</tbody>
</table>

SECTION 4 FIRST AID MEASURES

First Aid Procedures:
- Eye contact: Hold eyelids apart and immediately flush eyes with plenty of water for at least 15 minutes. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Call a physician if irritation persists.
- Skin contact: For skin contact flush with large amounts of water. Call a physician if irritation persists.
- Inhalation: Immediately remove from further exposure. Give supplemental oxygen, if breathing is difficult. If breathing has stopped, assist ventilation with a mechanical device or use mouth-to-mouth resuscitation.
- Ingestion: IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. If swallowed, do NOT induce vomiting. Give a glass of water. Never give anything by mouth to an unconscious person.

Note to physician: If the product is ingested, treat the affected person symptomatically.

SECTION 5 FIRE FIGHTING MEASURES

FLASH POINT: [≥-141°F (≥-96°C) Propellant only] LOWER EXPLOSIVE LIMIT: ND UPPER EXPLOSIVE LIMIT: ND


UNUSUAL FIRE & EXPLOSION HAZARDS: None

SPECIAL FIRE FIGHTING PROCEDURES: As in any fire, wear pressure-demand self-contained breathing apparatus, MSHA/NIOSH (approved or equivalent) and full protective gear.

SECTION 6 ACCIDENTAL RELEASE MEASURES


Environmental precautions: Prevent further leakage or spillage if safe to do so.

Methods for containment: Prevent entry into waterways, sewers, basements or confined areas.

Methods for cleaning up: Eliminate ignition sources including sources of electrical, static or frictional sparks. Wear appropriate protective equipment and clothing during clean-up.

Small Spills: Use a non-combustible material like vermiculite, sand or earth to soak up the product and place into a container for disposal.
Large Spills: Dike far ahead of liquid spill for later disposal. Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority. For guidance, contact your State Water Board or Regional Office of the EPA.

**SECTION 7  HANDLING AND STORAGE**
Handling: Avoid breathing mist. Avoid contact with skin and eyes. Wear suitable protective clothing. Wash hands after handling.
Storage: Keep from freezing. Keep containers tightly closed. Store in a cool, dry place.

**SECTION 8  EXPOSURE CONTROLS/PERSONAL PROTECTION**
Occupational exposure limits: None Established.
Engineering controls: Use local exhaust ventilation.
Personal protective equipment:
  - General: Eye wash fountain and emergency showers are recommended.
  - Eye/face Protection: Wear safety glasses or goggles.
  - Skin Protection: Wear suitable protective clothing. Use impervious gloves.
  - Respiratory Protection: Not normally required when adequate ventilation is maintained.

**SECTION 9  PHYSICAL and CHEMICAL PROPERTIES**

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>BOILING POINT</td>
<td>318-377°F (152-192°C)</td>
</tr>
<tr>
<td>VAPOR PRESSURE</td>
<td>40-50</td>
</tr>
<tr>
<td>VAPOR DENSITY (air=1)</td>
<td>&gt;1</td>
</tr>
<tr>
<td>SPECIFIC GRAVITY (H₂O=1)</td>
<td>0.87-0.91</td>
</tr>
<tr>
<td>PERCENT VOLATILE BY VOL %</td>
<td>30%</td>
</tr>
<tr>
<td>EVAPORATION RATE (Butyl Acetate=1):</td>
<td>NE</td>
</tr>
<tr>
<td>APPEARANCE &amp; ODOR</td>
<td>Green/grey liquid / hydrocarbon</td>
</tr>
<tr>
<td>pH</td>
<td>NA</td>
</tr>
</tbody>
</table>

**SECTION 10  STABILITY and REACTIVITY DATA**
STABILITY: Stable under normal conditions.
INCOMPATIBILITY (material to avoid): Strong oxidizing agents.
HAZARDOUS DECOMPOSITION PRODUCTS: Carbon Monoxide, Carbon Dioxide, Hydrocarbon fumes and smoke.
HAZARDOUS POLYMERIZATION: Will not occur

**SECTION 11  TOXICOLOGICAL INFORMATION**
Components Test Results:
Reproductivity: Benzene causes foetotoxicity in animals at doses which are maternally toxic. Does not impair fertility.
Carcinogenicity: This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.
Mutagenicity: Benzene may cause heritable genetic damage.

**SECTION 12  ECOLOGICAL INFORMATION**
Component Test Results: No Data Available.

**SECTION 13  DISPOSAL CONSIDERATIONS**
Disposal instructions: Dispose according to all applicable Federal, State, and Local regulations.

**SECTION 14  TRANSPORT INFORMATION**
This product is considered Non-Hazardous in all modes of transportation. Therefore, this product does not require classification by DOT, IATA, ICAO or IMDG.

**SECTION 15  REGULATORY INFORMATION**
US federal regulations: All components are listed in the United States TSCA Regulations.
CERCLA (Superfund) reportable quantity: None
SARA (Superfund Amendments and Reauthorization Act of 1986):
313 Components: This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

Section 302 extremely hazardous substance: No
Section 311 hazardous chemical: No
Canada: This Product has been classified according to the hazard criteria of the CPR and the SDS contains all of the information required by the CPR.

**SECTION 16 OTHER INFORMATION**

Further information: (HMIS® is a registered trade and service mark of the NPCA.)

<table>
<thead>
<tr>
<th>HMIS® ratings</th>
<th>Health: 1</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Flammability: 2</td>
</tr>
<tr>
<td></td>
<td>Physical hazard: 0</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>NFPA ratings</th>
<th>Health: 2</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Flammability: 2</td>
</tr>
<tr>
<td></td>
<td>Instability: 0</td>
</tr>
</tbody>
</table>

Other: NA-Not Applicable, ND-Not Determined, NE-Not Established.

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PREPARED: 5/15/96 UPDATED: 6/14/13 PRODUCT #: C1622