SECTION 1 – MATERIAL IDENTIFICATION & USE

MATERIAL NAME: Stainless Steel  CLASSIFICATION: D2
HEALTH: FIRE:
REACTIVITY: SPECIFIC:

CHEMICAL NAME: Stainless Steel  MOLECULAR WEIGHT: n/a
CHEMICAL FAMILY: n/a  CHEMICAL FORMULA: n/a
TRADE NAME/SYNONYMS: 300, 400 Series and pH Stainless
MATERIAL USE: Steel Products

SECTION 2 – HAZARDOUS INGREDIENTS OF MATERIAL

<table>
<thead>
<tr>
<th>HAZARDOUS INGREDIENTS</th>
<th>APPROX. CONCENTRATION</th>
<th>C.A.S. N.A. U.N NUMBERS</th>
<th>LD50/LC50 SPECIFY SPECIES &amp; ROUTE</th>
<th>EXPOSURE LIMITS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Iron</td>
<td>80%</td>
<td>7439-89-6</td>
<td>30 g/kg (rat-oral)</td>
<td>5 mg/m³</td>
</tr>
<tr>
<td>Nickel</td>
<td>35%</td>
<td>7440-02-0</td>
<td>Not Available</td>
<td>1 mg/m³</td>
</tr>
<tr>
<td>Chromium</td>
<td>30%</td>
<td>7440-47-3</td>
<td>Not Available</td>
<td>0.5 mg/m³</td>
</tr>
<tr>
<td>Molybdenum</td>
<td>6%</td>
<td>7439-98-7</td>
<td>Not Available</td>
<td>10 mg/m³</td>
</tr>
<tr>
<td>Copper</td>
<td>5%</td>
<td>7440-50-8</td>
<td>Not Available</td>
<td>0.2 mg/m³</td>
</tr>
<tr>
<td>Manganese</td>
<td>2.5%</td>
<td>7439-96-5</td>
<td>9 g/kg (rat-oral)</td>
<td>1 mg/m³</td>
</tr>
<tr>
<td>Cobalt</td>
<td>1%</td>
<td>7440-48-4</td>
<td>9 g/kg (rat-oral)</td>
<td>0.05 mg/m³</td>
</tr>
</tbody>
</table>

NOTE: CONCENTRATIONS REPRESENT A MAXIMUM FOR ALL GRADES WITHIN A CATEGORY OF STEEL PRODUCTS AND MUST NOT BE INTERPRETED AS A SPECIFICATION FOR A PARTICULAR GRADE.

SECTION 3 – PHYSICAL DATA FOR MATERIAL

PHYSICAL STATE: Solid  VAPOUR PRESSURE: n/a  SOLUBILITY IN WATER (@20°C): n/a
SPECIFIC GRAVITY: 7.6-7.8  VAPOUR DENSITY: n/a  % VOLATILE, BY VOLUME: n/a
ODOUR THRESHOLD: n/a  EVAPORATION RATE: n/a  pH: n/a
ODOUR & APPEARANCE: Silver/Grey Metallic  COEFFICIENT TO WATER/OIL DISTRIBUTION: n/a
FREEZING POINT: n/a

SECTION 4 – FIRE AND EXPLOSION HAZARD OF MATERIAL

FLAMMABILITY: No  MEANS OF EXTINCTION: n/a  CONDITIONS:
SPECIAL PROCEDURES:
FLASHPOINT (°C): n/a  HAZARDOUS COMBUSTION PRODUCTS: n/a
UPPER EXPLOSION LIMIT (% BY VOLUME): n/a  CHEMICAL SENSITIVITY TO IMPACT: n/a
LOWER EXPLOSION LIMIT (% BY VOLUME): n/a  RATE OF BURNING: n/a
AUTO IGNITION TEMPERATURE: n/a  EXPLOSION POWER: n/a
TDG FLAMMABILITY CLASSIFICATION: n/a  SENSITIVITY TO STATIC DISCHARGE: n/a
SECTION 5 – REACTIVITY DATA

CHEMICAL STABILITY: Yes
INCOMPATIBILITY TO OTHER SUBSTANCES: Yes - Contact with mineral acids will release hydrogen gas
REACTIVITY UNDER WHAT CONDITIONS: n/a
HAZARDOUS DECOMPOSITION PRODUCTS: n/a

SECTION 6 – TOXICOLOGICAL PROPERTIES OF PRODUCT

ROUTE OF ENTRY:
SKIN CONTACT: Yes SKIN ABSORPTION: Yes EYE CONTACT: Yes INGESTION: n/a
INHALATION (ACUTE): Yes INHALATION (CHRONIC): Yes
EFFECTS OF ACUTE EXPOSURE: None to shipped product. Welding or burning will generate metal fumes which can cause irritation to eyes, nose, and throat.
EFFECTS OF CHRONIC EXPOSURE: None to shipped product. Chronic inhalation overexposure to metal fume (i.e. Iron Oxide) may cause siderosis.
LD50 OF PRODUCT (SPECIES & ROUTE): 9 g/kg SENSITIZATION TO PRODUCT: No known effects
LC50 OF PRODUCT (SPECIES): n/a EXPOSURE LIMITS OF PRODUCT: See Section 2.
IRRITANCY OF PRODUCT: n/a SYNERGISTIC MATERIALS: No known effects.
CARCINOGENICITY: Yes REPRODUCTIVE EFFECTS: MUTAGENICITY:
TERATOGENICITY: Yes

SECTION 7 – PREVENTATIVE MEASURES

PERSONAL PROTECTIVE EQUIPMENT: Depends on the process being performed on the material. Each operation must be assessed.
GLOVES: See PPE RESPIRATORY: See PPE
FOOTWEAR: See PPE CLOTHING: See PPE
ENGINEERING CONTROLS: Adequate ventilation during welding, burning, or grinding.
LEAKS & SPILLS: n/a
WASTE DISPOSAL: n/a

SECTION 8 – FIRST AID MEASURES

SKIN: Wash affected area with soap and water. Seek medical attention if irritation persists.
EYE: For irritation from coating materials, flush eyes with plenty of water while holding eyelids open. Seek medical attention if irritation persists.
INHALATION: For overexposure to metal fumes, remove to fresh air. Seek medical attention.
INGESTION: n/a
GENERAL ADVICE: Some of the steel grades may have an oil coating or lime coating. Use impervious gloves when handling to prevent skin irritation.

SECTION 9 – PREPARATION DATE OF MATERIAL SAFETY DATA SHEET

ADDITIONAL INFORMATION: Certain nickel and chromium compounds have been listed by IARC as nasal and lung carcinogens.
FOR ADDITIONAL INFORMATION CONTACT: Shawn Finlay, Manager of Health and Safety 905-735-5661
DATE: January 1, 2002