STAINLESS STEEL – SAFETY DATA SHEET

1. PRODUCT IDENTIFICATION

Importer / Supplier / Distributor:
UnifiedAlloys
8835 – 50th Avenue
Edmonton, Alberta CANADA
T6E 5H4
Emergency Phone #: (780) 468-5656 (on-call service)

The conditions or methods of handling, storage, use, and disposal of the product are beyond our control and may be beyond knowledge. For this and other reasons, we do not assume responsibility and disclaim liability for loss, damage, or expense arising out of or in any way connected with the handling, storage, use, or disposal of the product.

Dry-Lube: Mixture of borate and carbonate soap lubricants for metal forming.
Pre-Lube: Petroleum based oil coating used for metal forming.
Slushing Oil: Mineral oil based protective coating containing small quantities of anti-oxidants.
Varnishing Oil: Solvent applied petroleum oil protective coating leaving a wax-like protective coating.

NOTE: Individual coating components are present at values below the reporting requirements of the WHMIS ingredient disclosure list.

2. HAZARD IDENTIFICATION

Classification: Stainless steel and its alloys are considered as non-hazardous in its soiled form. However, certain process such as cutting, milling, grinding, sawing, brazing, machining and welding could result in some hazardous material being emitted.

<table>
<thead>
<tr>
<th>SYMBOLS</th>
<th>HAZARD</th>
<th>HAZARD STATEMENTS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Carcinogenicity</td>
<td>May cause cancer</td>
<td></td>
</tr>
<tr>
<td>Respiratory sensitizer</td>
<td>May cause allergy or asthma symptoms or breathing difficulties if inhaled or can cause metal fume fever</td>
<td></td>
</tr>
<tr>
<td>Toxics to reproduction</td>
<td>May cause genetic effects.</td>
<td></td>
</tr>
<tr>
<td>Skin Sensitizer</td>
<td>May cause skin allergies</td>
<td></td>
</tr>
<tr>
<td>repeated exposers</td>
<td>Prolong exposers may damage internal organs</td>
<td></td>
</tr>
<tr>
<td>Acute toxic to aquatic life</td>
<td>Toxic to aquatic life with long lasting effects.</td>
<td></td>
</tr>
<tr>
<td>Chronic to Aquatic life</td>
<td>Chronic to Aquatic life if exposure is prolonged.</td>
<td></td>
</tr>
</tbody>
</table>

Label Element: No labelling is applicable
Other hazards: According to OSHA hazard communication, this product is classified as Non-hazardous material.

3. COMPOSITION INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>Component (*)</th>
<th>CAS Number</th>
<th>% Weight</th>
<th>OSHA PEL (mg/m3)</th>
<th>ACGIH TLV (mg/m3)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chromium (Cr)</td>
<td>7440-47-3</td>
<td>See below</td>
<td>0.5 metal</td>
<td>0.01 insoluble</td>
</tr>
<tr>
<td>Nickel (Ni)</td>
<td>7440-02-0</td>
<td>See below</td>
<td>0.05</td>
<td>0.2</td>
</tr>
<tr>
<td>Molybdenum (Mo)</td>
<td>7439-98-7</td>
<td>See below</td>
<td>10.0 dust / 3.0 respirable</td>
<td>3.0 respirable</td>
</tr>
<tr>
<td>Vanadium (V)</td>
<td>1314-62-1</td>
<td>0.05 max</td>
<td>Not established</td>
<td>0.05</td>
</tr>
<tr>
<td>Cobalt (Co)</td>
<td>7440-48-4</td>
<td>See below</td>
<td>0.02</td>
<td>0.02</td>
</tr>
<tr>
<td>Manganese (Mn)</td>
<td>7439-96-5</td>
<td>See below</td>
<td>0.2 fume or dust</td>
<td>0.02 respirable</td>
</tr>
<tr>
<td>Aluminum (Al)</td>
<td>7429-90-5</td>
<td>See below</td>
<td>10.0 dust / 5.0 respirable</td>
<td>1.0 respirable</td>
</tr>
</tbody>
</table>

Prepared By: UnifiedAlloys
Telephone: (780) 468-5656
Note: Contact Supplier (Quality Department) for additional information - Page 1 of 2
Preparation Date: Dec / 20 / 2018
NOTE: This product contains no other hazardous ingredients requiring disclosure under current regulations.

4. FIRST-AID MEASURES

Skin: Maintain good personal hygiene. Wash with soap and water. Seek medical attention if irritation persists.

Inhalation: Move to fresh air. Seek medical attention if necessary.

Eyes: For irritation from any coating material, flush eyes with plenty of water for a period of no less than 15 minutes.

Note: Respiratory disorders may be aggravated by exposure to metallic and/or organic/inorganic coating dust or fumes. Consult a Physician. Do not induce vomiting or give liquids to an unconscious person.

5. FIRE AND EXPLOSION HAZARD

1. Conditions of Flammability: Steel products (Metal) does not present fire or explosion hazards under normal conditions. Fine metal particles such as those produced in grinding or sawing can burn. High concentrations of metal filings may present an explosion hazard.

2. Means of extinction: For molten metal use dry powder or sand. Do NOT use water on molten metals.

3. Flashpoint and method of determination: N/A (under normal conditions)

4/5. Upper and Lower Flammable Limit: N/A (under normal conditions)

6. Auto-ignition temperature: N/A (under normal conditions)

7. Hazardous Combustion Products: N/A (under normal conditions)

8. Explosion Data: sensitivity to mechanical impact: N/A (under normal conditions)

9. Explosion Data: sensitivity to static discharge: N/A (under normal conditions)

6. ACCIDENTAL RELEASE MEASURES

Leak and Spill Procedures: Not applicable to soiled state, no effect on Environment and Human lives. Solid metal does not pose any problems. Dust spills should be cleaned up avoiding dust generation. Collect and recycle to process. Wash down with water if in contact with acids.

7. HANDLING AND STORAGE

Storage Requirements: N/A

Special Shipping Information: N/A

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Personal Protective Equipment: Dependent upon processes being performed on material. Each operator must be addressed for suitable equipment.

Gloves: Protective gloves should be worn during welding, burning or handling operations.

Clothing: As required. Dependent on the operations and local welding codes.

Respiratory: NIOSH / MSHA approved dust and fume respirator should be used to avoid excessive inhalation of particles when exposure exceeds TLV's.

Footwear: CSA Z195.02 Steel Toed, safety shoes.

Eye: safety glasses, goggles or face shield should be worn as required by exposure.

Other: With molten metals, use full body cover clothing, including gloves, eyeware and footwear suitably treated to prevent burns.

Engineering Controls: Engineering controls required if incase welding, milling, cutting and grinding work is performed. (e.g. ventilation, enclosures, specify) Depending on type of process performed a specific equipment and PPE’s are required to perform the job safely.

9. PHYSICAL AND CHEMICAL PROPERTIES

<table>
<thead>
<tr>
<th>Physical and Chemical Properties</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physical State</td>
</tr>
<tr>
<td>Odor</td>
</tr>
<tr>
<td>Evaporation Rate</td>
</tr>
<tr>
<td>Property</td>
</tr>
<tr>
<td>--------------------------</td>
</tr>
<tr>
<td>Boiling Point</td>
</tr>
<tr>
<td>PH</td>
</tr>
<tr>
<td>Solubility in Water</td>
</tr>
<tr>
<td>Vapor Pressure</td>
</tr>
<tr>
<td>Density</td>
</tr>
<tr>
<td>Appearance</td>
</tr>
<tr>
<td>Volatility</td>
</tr>
<tr>
<td>Odor threshold</td>
</tr>
<tr>
<td>Specific gravity</td>
</tr>
<tr>
<td>Freezing Point</td>
</tr>
</tbody>
</table>

10. STABILITY AND REACTIVITY

Chemical Stability: STABLE (under normal conditions of use and storage)
Conditions of Reactivity: N/A
Hazardous Decomposition Products: N/A
Incompatibilities: YES - Contact with Strong Mineral Acids will release Hydrogen Gas
Possibility of hazardous Reactions: Hazardous polymerization cannot occur.
Reactivity: This product is not reactive as supplied.
Sensitivity to Mechanical Impact: N/A
Sensitivity to Static Discharge: N/A

11. TOXICOLOGICAL PROPERTIES

Route of Entry:
Prolonged skin contact with coated steel may cause skin irritation in sensitive individuals. Inhalation of metal particulate or elemental oxide fumes generated during welding, burning, grinding or machining may pose acute or chronic health effects.

Effects of Acute Exposure to Material:
Inhalation overexposure to manganese, copper or zinc (coated products) may cause metal fume fever characterized by fever and chills (flu-like symptoms). Appears 4-6 hours after exposure with no long-term effects.

Effects of Acute Chronic Exposure to Material:
Prolonged inhalation overexposure to metal fume from product may cause the following effects: benign pneumoconiosis (siderosis) with few or now symptoms (iron oxide); certain nickel and chromium compounds have been listed with IARC as nasal lung carcinogens. Cobalt dust may result in an asthma-like condition (cough / shortness of breath).

Irritancy of Material: N/A
Sensitization to Material: N/A
Mutagenicity of Material: N/A
Reproductive Effects: N/A
Teratogenicity of Material: N/A
Synergistic Materials: N/A
Carcinogenicity of Material: N/A

IARC lists certain hexavalent chromium compounds under its group 1 category - "Confirmed Human Carcinogen."
IARC lists nickel and certain nickel compounds under its group 2A category – "Suspected Human Carcinogen."

NOTE:
Iron containing welding fumes has an exposure limit of 5 mg/m3 (ACGIH – TLV’s 1988-89). Welding fumes may also contain contaminants from fluxes or welding consumables.

12. ECOLOGICAL INFORMATION

Eco-toxicity: No data available for Stainless steel and its alloys in their natural solid state.
Presence of Degradability: NO data available
Bioaccumulation Potential: NO data available
Mobility in soil: NO data available
Other adverse effects: None known.

13. DISPOSAL CONSIDERATION

Leak and Spill Procedures: N/A
Special Waste Disposal: N/A
14. TRANSPORT INFORMATION

General Shipping Information: Material not regulated for shipping.
Un Number: NA
Hazard Class: NA
Special Shipping Information: N/A

15. REGULATORY INFORMATION

Domestic Substances List: the components of this material are on the federal DSL inventory.
Other Canadian Regulations: NA
WHMIS: Class D2, materials causing other Toxic effects when other processes are performed (Welding, cutting and grinding)

16. OTHER INFORMATION

Prepared By: UnifiedAlloy
Telephone: (780) 468-5656
Note: Contact Supplier (Quality Department) for additional information

IMPORTANT! Read this SDS before use or disposal of this product. Pass along the information to employees and any other persons who could be exposed to the product to be sure that they are aware of the information before use or other exposure. This SDS has been prepared in accordance with the Globally Harmonized System of Chemical and Labeling of Chemicals (GHS) Fifth Edition and the OSHA Hazard Communication Standard [29 CFR 1910.1200]. The SDS information is based on sources believed to be reliable. Available data, safety standards, and government regulations are subject to change and the conditions of handling and use, or misuse are beyond our control, Unified Alloys makes no warranty, either expressed or implied, with respect to the completeness or continuing accuracy of the information contained herein and disclaims all liability for reliance thereon. Additional information may be necessary or helpful for specific conditions and circumstances of use. It is the user's responsibility to determine the suitability of this product and to evaluate risks and exercise appropriate precautions for protection of employees and others prior to use.