duMONT “Minute Man” Broaches (M2, M3 & M4)
Safety Information Sheet
Revision date: May 20, 2015
Version: 1.0

SECTION 1: Identification

1.1. Product identifier
duMONT “Minute Man”
Product forms

1.2. Relevant identified uses of the product

1.2.1. Relevant identified uses
Use of the product

1.3. Details of the supplier of the safety information sheet
The duMONT Company LLC
289 Wells St. PO Box 469 Greenfield, MA 01301 USA
Telephone (413) 773-3674 - FAX (413) 773-84308
info@dumont.com - http://www.dumont.com

SECTION 2: Hazards Identification

2.1. Hazard Classification
This product is considered to be an article, and should not present a health hazard during normal use.

2.2. Label Elements
Signal Word: N/A
Symbols: N/A
Pictograms: N/A

2.3. Hazard Statement(s)
We do not consider this product in the form it is sold to constitute a physical hazard or a health hazard. Subsequent operations such as grinding, melting, welding, cutting or processing in any other fashion may produce potentially hazardous dust or fumes which can be inhaled, swallowed or come in contact with the skin or eyes.

SECTION 3: Composition/Information on Ingredients

<table>
<thead>
<tr>
<th>Constituent Element</th>
<th>CAS NO.</th>
<th>OSHA PEL (mg/m3)</th>
<th>ACGIH TLV (mg/m3)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Aluminum</td>
<td>7429-90-5</td>
<td>15.00</td>
<td>10.00</td>
</tr>
<tr>
<td>Boron</td>
<td>1303-80-2</td>
<td>3.50</td>
<td>0.50</td>
</tr>
<tr>
<td>Carbon</td>
<td>1333-86-4</td>
<td>1.00</td>
<td>0.50</td>
</tr>
<tr>
<td>Chromium</td>
<td>7440-47-3</td>
<td>0.10</td>
<td>0.05</td>
</tr>
<tr>
<td>Cobalt</td>
<td>7770-48-4</td>
<td>0.10</td>
<td>0.20</td>
</tr>
<tr>
<td>Copper</td>
<td>7440-50-8</td>
<td>10.00</td>
<td>5.00</td>
</tr>
<tr>
<td>Iron</td>
<td>1309-37-1</td>
<td>5.00*</td>
<td>Dust</td>
</tr>
<tr>
<td>Manganese</td>
<td>7439-96-5</td>
<td>5.00*</td>
<td>5.00*</td>
</tr>
<tr>
<td>Molybdenum</td>
<td>7439-98-7</td>
<td>15.00</td>
<td>10.00</td>
</tr>
<tr>
<td>Nickel</td>
<td>7440-02-0</td>
<td>1.00</td>
<td>1.00</td>
</tr>
<tr>
<td>Silicon</td>
<td>7440-21-3</td>
<td>N/A</td>
<td>5.00</td>
</tr>
<tr>
<td>Titanium</td>
<td>134630-67-7</td>
<td>15.00</td>
<td>5.00</td>
</tr>
<tr>
<td>Tungsten</td>
<td>7440-33-7</td>
<td>Ins. Comp.</td>
<td>5.00</td>
</tr>
<tr>
<td>Vanadium</td>
<td>1314-62-1</td>
<td>0.50*</td>
<td>Dust</td>
</tr>
<tr>
<td></td>
<td></td>
<td>0.10*</td>
<td>Fume</td>
</tr>
</tbody>
</table>

*Ceiling Limits. No Threshold Limit Values (TLV’s) exist for specialty or high speed steels. Above TLV’s are applicable to the constituent elements.

SECTION 4: First-aid Measures

4.1. Description of first aid measures
First-aid Measures General
:In any cases of doubt, or when symptoms persist, seek medical advise.
First-aid measures after skin contact
:Brush off excess dust. Wash area with soap and water.
First-aid measures after eye contact
:Flush with running water to remove particulate. Get medical attention.
First-aid measures after ingestion
:Seek medical help if large quantities of material have been ingested.
First-aid measures after inhalation
:Remove to fresh-air, if condition continues-consult physician.
SECTION 5: Firefighting Measures

5.1. Flash Point:
None

5.2. Fire Point:
None

SECTION 6: Accidental Release Measures

Steps to be taken in case of release or spill: N/A

SECTION 7: Handling and Storage

7.1. Precautions for safe handling
Sharp edges could cut. Handle with Care. No special care for storage.

SECTION 8: Exposure Controls/Personal Protection

8.1. Ventilation Requirements
General – recommended, local – as required.

8.2. Personal Protective Equipment
Respiratory Protection – If fumes, misting or dust condition occurs and TLV as indicated in section 3 is exceeded, provide NIOSH approved Respirators.

Recommended Gloves – As Required
Other Clothing or Equipment – As Required.

SECTION 9: Physical and Chemical Properties

9.1. Information on basic physical and chemical properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Boiling Point</td>
<td>&gt;5000°F</td>
</tr>
<tr>
<td>Melting Point</td>
<td></td>
</tr>
<tr>
<td>Approx. 2500°F</td>
<td></td>
</tr>
<tr>
<td>Specific Gravity (H2O=1)</td>
<td>Approx. 7.8-8.2 @ 60°F</td>
</tr>
<tr>
<td>Vapor Pressure</td>
<td>N/A</td>
</tr>
<tr>
<td>Solubility in H2O</td>
<td>Insoluble</td>
</tr>
<tr>
<td>% Volatiles by Volume</td>
<td>N/A</td>
</tr>
<tr>
<td>Evaporation (Butyl Acetate=1)</td>
<td>N/A</td>
</tr>
<tr>
<td>Appearance and Odor</td>
<td>An odorless metal in various shapes an sizes</td>
</tr>
</tbody>
</table>

SECTION 10: Stability and Reactivity

10.1. Chemical Stability
Stable under normal conditions.

10.2. Incompatibility
Reacts with strong acids to generate hydrogen gas.

10.3. Hazardous decomposition products:
Metal oxides.

SECTION 11: Toxicological Information

Contact the address listed on the first page of the Safety Data Sheet for topological information on the material and its components.

SECTION 15: Regulatory Information

13.1. EU-Regulations
Article under REACH Regulation 1907/2006/EC: according to REACH, there is no legal obligation to provide a Safety Data Sheet for an Article. However, to be able to provide information on the safe use of this Article, the present Safety Information Sheet has been worked out.

No REACH Annex XVII restrictions.
Contains no substance on the REACH candidate list

SECTION 16: Other Information

USE GOOD HOUSEKEEPING PRACTICES TO PREVENT ACCUMULATIONS OF DUST AND USE GOOD VENTILATION PROCEDURES TO KEEP ALL AIRBORNE DUST CONCENTRATIONS TO A MINIMUM.

This material may be coated with a light preservative oil as a rust inhibitor. If so coated, appropriate precautions along with personal protective equipment should be issued as required.

This information presented above is accurate to the best of our knowledge. We make no claims regarding the accuracy or completeness of information and will assume no liability for any loss, damage, or injury of any kind which may result from the reliance of such information for any group or individuals.