Argoshield® 5

Argoshield® 5 has been formulated specifically for welders using the GMAW process on carbon steel typically less than 4 mm thick. This gas mixture, which can be used in all positions, produces low heat input and narrow weld beads, so reducing distortion and burn-through. Together with its excellent arc stability and high speed capability for welding thin sheet, Argoshield® 5 is easy to use, provides a quality weld and minimises overall cost.

Afrox MSDS number: SG/MSDS 3

Hazards
- Asphyxiant in high concentrations
- Compressed – high pressure gas mixture in cylinders.

Classifications
Gas Components
- Argon
- Carbon dioxide
- Oxygen

<table>
<thead>
<tr>
<th>Material Description</th>
<th>Mass (kg)</th>
<th>Cylinder Capacity (l)</th>
<th>Pressure @ 20°C (Bar)</th>
<th>Valve Outlet Connection</th>
<th>Item Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>ARGOSHIELD® 5 CYL 17.8 KG</td>
<td>17.8</td>
<td>50.0</td>
<td>200</td>
<td>5/8&quot; BSPF right hand female</td>
<td>24-SE</td>
</tr>
<tr>
<td>ARGOSHIELD® 5 CYL 8.4 KG</td>
<td>8.4</td>
<td>23.6</td>
<td>200</td>
<td>5/8&quot; BSPF right hand female</td>
<td>24-KE</td>
</tr>
</tbody>
</table>

Applications
- Duct and sheet metal engineering industries
- Automotive components manufacture
- Vehicle repair
- Cabinets/steel furniture manufacture
- Domestic appliance manufacture
- Light gauge storage tanks.

Features
<table>
<thead>
<tr>
<th>Features</th>
<th>Benefits</th>
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</thead>
<tbody>
<tr>
<td>Excellent arc stability</td>
<td>Minimal spatter</td>
</tr>
<tr>
<td>Low distortion</td>
<td>Easy to use, minimal post weld straightening</td>
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<tr>
<td>Low oxidation potential</td>
<td>Good appearance and quality finish</td>
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<tr>
<td>Wide operating envelope</td>
<td>Allows high productivity, excellent welder appeal</td>
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<tr>
<td>Low levels of nitrogen and moisture</td>
<td>Low porosity and other defects, high toughness</td>
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<tr>
<td>High levels of accuracy and quality control during production</td>
<td>Reproducible weld quality from cylinder to cylinder</td>
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</table>

Precautions in Use
- Asphyxiant in high concentrations
- Compressed high pressure gas in cylinders
- Use only approved pressure rated equipment
- Do not allow oil or grease on cylinder or valve
- Open cylinder and MCP valves slowly
- Close cylinder and MCP valves when not in use
- Cylinders should be secured from falling over.

Material Compatibility
Argoshield® 5 is non-corrosive and so any common metal is acceptable, provided the equipment is designed to withstand process pressure.

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For more information contact the Afrox Customer Service Centre Tel: 0860 02 02 02
E-mail: customer.service@afrox.linde.com Website: www.afrox.com