



## Section 1. Product and Company Identification.

**1.1 Model Number;** MIG/2/KAL/1  
**1.2 Description;** Aluminium MIG Wire 2kg 1mm 5356 (NG6) Grade

**1.3 Manufacturer;**  
Sealey Group.  
Kempson Way,  
Bury St. Edmunds,  
Suffolk.  
IP32 7AR

**1.4 Emergency telephone number;** 44 (0) 1284 757 500 (Office Hours)

**Date of source compilation;** 17 January 2005

## Section 2. Hazards Identification.

Not relevant to the Model Number identified in 1.1 with Description stated in 1.2.



## Section 3. Substances.

3.1 Chemical Name (substance)	3.1 CAS No.	3.2 Concentration Weight	Classification	
			Hazard Class & Category Code	Hazard Statements
Aluminium	7429-90-5	Bal	Water-react. 2 Pyr. Sol. 1	H261 H250
Magnesium	7439-95-4	4.5 - 5.5%	Water-react. 1 Pyr. Sol. 1	H260 H250
Iron	7439-89-6	0.4%	Flam. Sol. 1 Eye Irrit. 2 STOT SE 3	H228 H318 H335
Silicon	7440-21-3	0.25%	Flam. Sol. 1 Skin Irrit. 2 Eye Irrit. 2 STOT SE 3	H228 H315 H319 H335
Titanium	7440-32-6	0.06 - 0.20%	Flam. Sol. 1 Skin Irrit. 2 Eye Irrit. 2 STOT SE 3	H228 H315 H319 H335
Manganese	7439-96-5	0.05 - 0.20%	Muta. 1B STOT SE 1 STOT RE 1	H340 H370 H372
Chromium	7440-47-3	0.05 - 0.20%	Skin Irrit. 2 Eye Irrit. 2 STOT SE 3 Carc. 2 Aquatic Acute 1	H315 H319 H335 H351 H400
Zinc	7440-66-6	0.10%	Aquatic Acute 1 Aquatic Chronic 1	H400 H410
Copper	7440-50-8	0.10%	Acute Tox. 4 Skin Irrit. 2 Eye Irrit. 2 Acute Tox. 4 STOT SE 3 Aquatic Acute 1 Aquatic Chronic 1	H302 H315 H319 H332 H335 H400 H410

For full text of Phrases and Statements, see Section 16.



## **Section 4. First Aid Measures.**

No first aid measures should be required for the unused wire and rod consumables.

## **Section 5. Fire Fighting Measures.**

No specific measures required for the welding consumable prior to welding.

## **Section 6. Accidental Release Measures.**

No specific actions for welding consumables prior to use.

### **6.4. Reference to other sections**

See Section 7 for information on Safe Handling

See Section 8 for information of Personal Protective Equipment.

See Section 13 for information on disposal.

## **Section 7. Handling and Storage.**

No special precautions are required for these welding consumables.

### **7.3. Specific end use(s)**

Intended for use as a welding wire for the Model Number identified in 1.1 with Description stated in 1.2.



## Section 8. Exposure Controls/Personal Protection.

No specific measures required for the welding consumable prior to welding.

### Eye/Face Protection

Welders should wear a welding helmet fitted with the appropriate optical welding filter for the operation.

### Skin Protection

Welders should wear suitable hand protection such as welding gloves or gauntlets of a suitable standard.

### Respiratory Protection

No information available.

## Section 9. Physical and Chemical Properties.

### 9.1. Information on basic physical and chemical properties

**The following information is not a technical specification or sales specification.**

(a) Appearance:	Solid metal wire or rods - white or light grey.
(b) Odour:	Odourless.
(c) Odour threshold;	No information available.
(d) pH:	No information available.
(e) Melting point/freezing point;	Approx. 700°C
(f) Initial boiling point and boiling range;	No information available.
(g) Flash point;	No information available.
(h) Evaporation rate;	No information available.
(i) Flammability (solid, gas);	No information available.
(j) Upper/lower flammability or explosive limits;	No information available.
(k) Vapour pressure;	No information available.
(l) Vapour density;	No information available.
(m) Relative density;	No information available.
(n) Solubility (ies);	Insoluble
(o) Partition coefficient: n-octanol/water;	No information available.
(p) Auto-ignition temperature;	No information available.
(q) Decomposition temperature;	No information available.
(r) Viscosity;	No information available.
(s) Explosive properties;	No information available.
(t) Oxidising properties.	No information available.

### 9.2 Other information

No information available.



## Section 10. Stability and Reactivity.

<b>10.1.</b> Reactivity	No information available.
<b>10.2.</b> Chemical stability	No information available.
<b>10.3.</b> Possibility of hazardous reactions	No information available.
<b>10.4.</b> Conditions to avoid	No information available.
<b>10.5.</b> Incompatible materials	No information available.
<b>10.6.</b> Hazardous decomposition products	Hazardous decomposition products such as metal oxide fumes and gases are produced during welding.

## Section 11. Toxicological Information.

### 11.1. Information on toxicological effects

#### **Carbon monoxide and carbon dioxide**

Carbon monoxide (CO) is a chemical asphyxiant and its toxicity is due to its affinity for oxygen carrying blood haemoglobin causing fatigue, weakness, dizziness and eventual unconsciousness and possible death. Carbon dioxide (CO<sub>2</sub>) is mainly an asphyxiant but can exert some toxic properties by increasing pulse and heart rate. During the normal uses of these wires and rods, these gases can be produced by oxidation of carbon in the components and from the flame combustion products.

## Section 12. Ecological Information.

No information available.

## Section 13. Disposal Considerations.

Packaging and wire/rod scrap should be disposed of as general waste or recycled. No special precautions are required for this product.

## Section 14. Transport Information.

Product identified in 1.1 with description stated in 1.2 is not classified as hazardous for transport.

## Section 15. Regulatory Information.

**15.1.** Safety, health and environmental regulations/legislation specific for the substance or mixture  
No information available.

**15.2.** Chemical safety assessment  
No information available.



**Section 16. Additional Information.**

Full text of Phrases and Statements used in Section 3;

- H228: Flammable solid.
- H250: Catches fire spontaneously if exposed to air.
- H260: In contact with water releases flammable gases which may ignite spontaneously.
- H261: In contact with water releases flammable gases.
- H302: Harmful if swallowed.
- H315: Causes skin irritation.
- H318: Causes serious eye damage.
- H319: Causes serious eye irritation.
- H332: Harmful if inhaled.
- H335: May cause respiratory irritation.
- H340: May cause genetic defects.
- H351: Suspected of causing cancer.
- H370: Causes damage to organs.
- H372: Causes damage to organs through prolonged or repeated exposure.
- H400: Very toxic to aquatic life.
- H410: Very toxic to aquatic life with long lasting effects.

The above information is believed to be accurate and represents the best information currently available.

No warranty is expressed or implied by the above information.

We assume no liability resulting from use of the above information.

The end user should conduct their own investigations to determine the suitability of the above information for their particular purpose.

Issue level	Date	Revisions
1	13/04/11	First issue.
2	01/08/16	Sections 1.4, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 14 & 15

End of Safety Data Sheet.