

# MATERIAL SAFETY DATA SHEET



Rev. 1

## 1 IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND OF THE COMPANY / UNDERTAKING

**Product Name** Hobart 71T Mig Wire  
**Other Name**  
**Use** Flux Cored Mig Welding Wire for professional use only  
**Supplier** Weldwell New Zealand  
**Address** 64 Thames Street, Napier, New Zealand  
**Telephone No** +64 6 834-1600  
**Facsimile** +64 6 835-4568  
**Emergency Telephone No** 0800 CHEMCALL (0800 243 622) (24 Hours)

## 2 HAZARDS IDENTIFICATION

**Dangerous Goods** Non-Dangerous Goods  
**Hazardous Substances** None  
**HSNO Classifications** None  
**Hazard Statements**  
**Precautionary Statements** Wear suitable protective clothing and use only in well ventilated areas. May cause eye and skin irritation.

## 3 COMPOSITION / INFORMATION ON INGREDIENTS

<u>Chemical Entity</u>	<u>Cas No</u>	<u>Values</u>
Titanium Dioxides	13463-67-7	<6
Iron	7439-89-6	10
Manganese	7439-96-5	<6
Silicon	7440-21-3	1
Carbon Steel Tube	7439-89-6	80
Mineral Silicates	1332-58-7	<0.7
Flourides	7789-75-5	<0.7
Quartz	14808-60-7	0.7
Complex compound	66402-68-4	<6

## 4 FIRST AID MEASURES

**Inhalation:** Assure fresh air breathing.  
**Skin contact:** Stop exposure.  
**Eye contact:** Minimize exposure to light.  
**Ingestion:** Ingestion unlikely. Rinse mouth.  
**Electric shock:** Electrical circuits must be shut off as soon as possible. Prepare to administer resuscitation in case of cardiac or respiratory failure. In case of respiratory arrest, administer artificial respiration.  
**General information:** In all cases obtain medical attention. If possible show this sheet.

## 5 FIRE-FIGHTING MEASURES

<b>Flammable class:</b>	The product is not flammable.
<b>Prevention:</b>	Welding hot slag or sparks may cause fire. Keep away from combustible material.
<b>Surrounding fires:</b>	Use water spray or fog for cooling exposed containers.
<b>Protection against fire:</b>	Wear proper protective equipment.

## 6 HANDLING AND STORAGE

<b>Handling</b>	Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.
<b>Storage</b>	Store in a dry protected location to prevent any moisture contact.

## 7 EXPOSURE CONTROLS / PERSONAL PROTECTION

<b>Personal protection:</b>	Before any use, it is necessary to read the safety data sheet of the protection gas linked to the wire.
<b>Respiratory protection:</b>	Do not breathe gas/fumes/vapour. In case of insufficient ventilation, wear suitable respiratory equipment.
<b>Hand protection:</b>	Welding gloves.
<b>Skin protection:</b>	Skin protection appropriate to the conditions of use should be provided.
<b>Eye protection:</b>	Use a protection mask equipped with suitable filter glasses. Interdiction to wear contact lenses.
<b>Ingestion:</b>	When using, do not eat, drink or smoke.
<b>Industrial hygiene:</b>	Provide local exhaust or general room ventilation to minimize fumes concentrations.

## 8 PHYSICAL AND CHEMICAL PROPERTIES

Physical state	Solid
Odour	Odourless
Melting Point	Approx 1500°C

## 9 STABILITY AND REACTIVITY

**Stability:** Stable under normal conditions.

**Hazardous decomposition products:** Formation of dangerous fumes during use.

According to process conditions, hazardous decomposition products may be generated. Such as:

<b>Hazardous Components (Specific Chemical Identity):</b>	<b>TLV (Mg/M3)</b>
Titanium Dioxides	10
Iron	10
Manganese	5
Silicon	10
Carbon Steel Tube	10
Mineral Silicates	5
Flourides	2.5
Quartz	0.1
Complex compound	N/A

**Hazardous properties:** Welding fumes are classified carcinogen by the ICRC (International Center of Research on Cancer) Group : 2 B. Cancer suspected agent.

**Materials to avoid:** Avoid contact with: Acids. Oxidizing agent.

**Other information:** In case of work on parts covered by coatings such as: Lubricant, Grease, Paint, Solvent, Metallic compounds, etc. The thermal or photochemical decomposition products of these elements cumulate with the dusts and fumes emitted by the melting of the welding products. The solution to adopt must be, in any case, preceded by a spot study. Refer to the Document "Health and Safety in Welding" published by the International Institute of Welding (IIS/IIW).

## 10 TOXICOLOGICAL INFORMATION

**Toxicity information:** This material or its emissions may induce an allergic or sensitization reaction and thereby aggravate existing systemic disease.

## 11 ECOLOGICAL INFORMATION

**Ecological effects Information:** This product contains no hazardous components for the environment. Avoid release to the environment.

## 12 DISPOSAL CONSIDERATIONS

**Disposal:** Comply with local regulations for disposal.

**Industrial Waste Number:** 120101 Ferrous metallic scraps.

120113 welding wastes.

### 13 TRANSPORT INFORMATION

**General Information:** Not regulated.

### 14 REGULATORY INFORMATION

**Symbol(s)** None  
**R-Phrase(s)** None  
**S-Phrase(s)** None

### 15 OTHER INFORMATION

**Warning:** Fumes and gases emitted during welding may be dangerous. Good ventilation of the workplace required. Electric rays may burn eyes and skin. Electric shocks can kill. Wear proper protective equipment.

**Directive 2002/95/CE (ROHS):** Can be used in the fabrication of electric and electronic devices.

**Training advice:** Ensure that user is aware of the potential hazards and knows what to do in the event of an accident or an emergency.

**Recommended Uses and Restrictions:** Contact your supplier in case of doubt.

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