

## Material Safety Data Sheet (MSDS)

NO.: A001R181206009001

Date: Dec 7,2018

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### Material Safety Data Sheet

#### Section 1 - Chemical Product and Company Identification

**Product Name:** Welding electrodes - 3050590, 3050592, 3050594, 3050596, 3050598

**Manufacture:** Clarke International

**Address:** Clarke International, Hemnall Street, Epping, Essex, CM16 4LG ENGLAND

**Sales Telephone:** +44 (0) 1992 565 333

**Emergency Telephone:** +44 (0) 1992 565 300

**Email:** [sales@clarkeinternational.co.uk](mailto:sales@clarkeinternational.co.uk)

#### Section 2 - Hazards Identification

**GHS Hazard Categories:** None

**Pictograms:** None

**Hazard information:** None

**Invasion route:** Skin contact, eyes contact.

**Health hazards:** Under normal industrial conditions, does not cause damage to the eyes and skin, but the sharp part of the product will cause mechanical damage to the eyes and skin.

#### Section 3 - Composition/Information on Ingredient

Pure  Admixture

**Composition:**

Chemical Name	In % By Weight	CAS No.
Fe	96.6~97.8%	7439-89-6
C	≤0.20%	7440-44-0
Mn	≤1.20%	7439-96-5
Si	≤1.00%	7440-21-3
S	≤0.035%	7704-34-9
P	≤0.040%	7723-14-0
Ni	≤0.30%	7440-02-0
Cr	≤0.20%	7440-47-3
Mo	≤0.30%	7439-98-7
V	≤0.08%	7440-62-2

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### Section 4 - First Aid Measures

**Skin contact:** Skin contact with rupture point, minor injuries can be treated by self dressing, serious send medical treatment.

**Eyes contact:** Lifting the upper and lower eyelids, flush the eyes with plenty of water or saline water. Get medical aid if necessary.

**Inhalation:** In normal situation,will not inhalation.

**Ingestion:** In normal situation,will not ingestion.

### Section 5 - Fire Fighting Measures

**Danger characteristic:** The product can not burn.

**Fire-fighting method:** The staff must equip with isolated breathing apparatus, wear clothes which can defence fire and toxic gases. Put out the fire in the upwind direction. Remove the container to the open space as soon as possible.

**Fire extinguishing agent:** Foam, powder, CO<sub>2</sub> , Sandy clay.

### Section 6 - Accidental Release Measures

**Methods for cleaning up:** Material is non-hazardous,can be collected. Dispose of this product according to all national, state, and local regulations where applicable. Small amount of divulgence: clean off. Collect in a dry, clean, covered container and transferred to safe place; Massive divulgence: Recycle or transport to waste treatment place for handling.

### Section 7 - Handling and Storage

**Handling:** Supply with sufficient partial air exhaust. The operating staff must have received special training and abide by the operating regulations. It is advised that the staff wear appropriate personal protective equipment. Keep away from the fire source, heat source, no smoking in the work place. Take care when lifting and handling in case of damaging the package. Equip with relevant types and quantities of extinguishment instruments and device for divulgence handling.

**Storage:** Keep in sealed container, place in a cool dry place. The storage place should be equipped with devices for divulgence handling and suitable shelter materials.

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### Section 8 - Exposure Controls, Personal Protection

**Occupational exposure limit:**

**MAC(mg/m3):**No information

**TWA(mg/m3):**No information

**STEL(mg/m3):**No information

**Engineering control:** The production process space is closed,need to strengthen the ventilation. Make sure that there is a wash and shower in the vicinity of the workplace. Set emergency evacuation routes.

**Respiratory Protection:** No protection in normal situation.

**Eyes Protection:** No protection in normal situation.

**Body Protection:** Wear work clothes.

**Hands Protection:** Wear protective gloves.

**Other Protections:** No smoking, dining and drinking water in the workplace. Keep good habit of hygiene.

### Section 9 - Physical and Chemical Properties

**Appearance:** Solid

**Colour:** Grey

**PH:** N/A

**Melting point/range:** N/A

**Density:** N/A

**Oxidising properties:** N/A

**Solubility in water:** N/A

**Partition coefficient(n-octanol / water):** N/A

**Evaporation rate:** N/A

**Odour:**Odourless

**Boiling point/range:** N/A

**Flashpoint:** N/A

**Viscosity:** N/A

**Vapour pressure:** N/A

**Vapour density:** N/A

**Ignition temperature:** N/A

**UEL:** N/A

### Section 10 - Stability and Reactivity

**Stability:** Stable under normal temperature and pressure

**Distribution of Ban:** Strong oxidizing agent, strong acid

**Conditions to Avoid:** None

**Hazardous Polymerization:** None

**Decomposition products:** In normal condition of storage and use, hazardous decomposition products should not be produced.

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### Section 11 - Toxicological Information

**Acute Toxicity:** No known significant effects or serious harm.

**Sub-acute and Chronic Toxicity:** No known significant effects or serious harm.

**Irritation:** No known significant effects or serious harm. **Sensitization:**

No known significant effects or serious harm. **Mutagenicity:** No

known significant effects or serious harm. **Carcinogenicity:** No known

significant effects or serious harm.

### Section 12 - Ecological Information

**Ecological toxicity:** None

**Persistence and degradation:** No information

**Potential bioaccumulation:** No information

**Migration in soil:** No information

**Other harmful effects:** None

### Section 13 - Disposal Considerations

**Disposal method:** Recycle or dispose of waste in compliance with current legislation, preferably via a certified collector or company.

**Disposal considerations:** Choose to have certified disposal contractor.

### Section 14 - Transport Information

**IATA:** Not regulated as a hazardous material.

**IMDG:** Not regulated as a hazardous material.

**UN number:** None

**Risk classification:** None

**Packaging Information:** Each in a gift box with poly bag and inner carton, 16pcs/outer carton.

**Transport Fashion:** By sea、 By air、 By rail、 By highway

**Transportation Attentions:** No collapse or no damage during the course of transportation. Corresponding varieties and number of fire equipment and contingency processing equipment should be equipped during the course of transportation.

Strictly prohibit put the goods together with oxidizer, acid etc., for transport. During transport, the goods should prevent exposure, rain and high temperature. Keep away from fire.

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### Section 15 - Regulatory Information

#### **Regulatory Information:**

ISO 11014-2009 Safety data sheet for chemical products - Content and order of sections.

Regulation (EC) No. 1272/2013 Classification, Labeling and Packaging of Substances and Mixtures.

### Section 16 - Additional Information

The above information is based on the data of which we are aware and is believed to be correct as of the data hereof.

Since this information may be applied under conditions beyond our control and with which may be unfamiliar and since data made available subsequent to the data hereof may suggest modifications of the information, we do not assume any responsibility for the results of its use. This information is furnished upon condition that the person receiving it shall make his own determination of the suitability of the material for his particular purpose.

\*\*\*End of MSDS\*\*\*