

# CHEMICAL PRODUCT SAFETY DATA SHEET

Prepared in accordance with GB/T 16483 and GB/T 17519.

## 1. PRODUCT AND COMPANY IDENTIFICATION

**Product Name:** JM®-51  
**Product Size:** 1.6 mm (1/16")

**Other means of identification**

**SDS number:** 200000025115  
**Issue Date:** 08.08.2024  
**Revision Date:** 08.08.2024  
**Version #:** 1.0

**Recommended use and restriction on use**

**Recommended use:** Not available.

**Restrictions on use:** Not known. Read this SDS before using this product.

**Manufacturer/Importer/Supplier/Distributor Information**

**Company Name:** The Shanghai Lincoln Electric Co., Ltd.  
**Address:** No. 195, Lane 5008, Hu Tai Road  
Shanghai 201907  
China  
**Telephone:** +86 21 6673 4530  
**Contact Person:** Safety Data Sheet Questions: [www.lincolnelectric.com/sds](http://www.lincolnelectric.com/sds)  
Arc Welding Safety Information: [www.lincolnelectric.com/safety](http://www.lincolnelectric.com/safety)

**Emergency telephone number:**

USA/Canada/Mexico +1 (888) 609-1762  
Americas/Europe +1 (216) 383-8962  
Asia Pacific +1 (216) 383-8966  
Middle East/Africa +1 (216) 383-8969

**3E Company Access Code:** 333988

## 2. HAZARDS IDENTIFICATION

Classified according to the criteria of the Globally Harmonized System of Classification and Labeling of Chemicals (GHS).

**Emergency Overview**

**Form:** Solid  
**Physical state:** Solid  
**Hazard Statement(s):** No data available.

**Hazard Classification** Not classified as hazardous according to applicable GHS hazard classification criteria.

**Label Elements**

**Hazard Symbol:** No symbol  
**Signal Word:** No signal word.  
**Hazard Statement:** Not applicable  
**Precautionary**

**Statements:****Other hazards which do not result in GHS classification:**

Electrical Shock can kill. If welding must be performed in damp locations or with wet clothing, on metal structures or when in cramped positions such as sitting, kneeling or lying, or if there is a high risk of unavoidable or accidental contact with work piece, use the following equipment: Semiautomatic DC Welder, DC Manual (Stick) Welder, or AC Welder with Reduced Voltage Control.

Arc rays can injure eyes and burn skin. Welding arc and sparks can ignite combustibles and flammable materials. Overexposure to welding fumes and gases can be hazardous. Read and understand the manufacturer's instructions, Safety Data Sheets and the precautionary labels before using this product. Refer to Section 8.

**3. COMPOSITION / INFORMATION ON INGREDIENTS****Reportable Hazardous Ingredients  
Mixtures****4. FIRST AID MEASURES**

**Ingestion:** No data available.

**Inhalation:** No data available.

**Skin Contact:** No data available.

**Eye contact:** No data available.

**Most important symptoms/effects, acute and delayed  
Symptoms:** No data available.

**Hazards:** No data available.

**Indication of immediate medical attention and special treatment needed**

**Treatment:** No data available.

**5. FIRE-FIGHTING MEASURES**

**General Fire Hazards:** No data available.

**Suitable (and unsuitable) extinguishing media**

**Suitable extinguishing media:** No data available.

**Unsuitable extinguishing  
media:** No data available.

**Specific hazards arising from  
the chemical:** No data available.

**Special protective equipment and precautions for fire-fighters**

**Special fire-fighting  
procedures:** No data available.

**Special protective equipment** No data available.

for fire-fighters:

## 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions, protective equipment and emergency procedures:** No data available.

**Methods and material for containment and cleaning up:** No data available.

## 7. HANDLING AND STORAGE

**Precautions for safe handling:** No data available.

**Conditions for safe storage, including any incompatibilities:** No data available.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

### Control Parameters

**Occupational Exposure Limits: China**

**Occupational Exposure Limits: US**

None of the components have assigned exposure limits.

**Biological Limit Values: China**

None of the components have assigned exposure limits.

**Biological Limit Values: ACGIH**

None of the components have assigned exposure limits.

**Appropriate Engineering Controls** No data available.

### Individual protection measures, such as personal protective equipment

**General information:** No data available.

**Eye/face protection:** No data available.

### Skin Protection

**Hand Protection:** No data available.

**Other:** No data available.

**Respiratory Protection:** No data available.

**Hygiene measures:** No data available.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Appearance:** No data available.

**Physical state:** Solid

**Form:** Solid

**Color:** No data available.

<b>Odor:</b>	No data available.
<b>Odor threshold:</b>	No data available.
<b>pH:</b>	No data available.
<b>Melting point/freezing point:</b>	No data available.
<b>Initial boiling point and boiling range:</b>	No data available.
<b>Flash Point:</b>	No data available.
<b>Evaporation rate:</b>	No data available.
<b>Flammability (solid, gas):</b>	No data available.
<b>Upper/lower limit on flammability or explosive limits</b>	
<b>Flammability limit - upper (%):</b>	No data available.
<b>Flammability limit - lower (%):</b>	No data available.
<b>Explosive limit - upper:</b>	No data available.
<b>Explosive limit - lower:</b>	No data available.
<b>Vapor pressure:</b>	No data available.
<b>Vapor density:</b>	No data available.
<b>Density:</b>	No data available.
<b>Relative density:</b>	No data available.
<b>Solubility(ies)</b>	
<b>Solubility in water:</b>	No data available.
<b>Solubility (other):</b>	No data available.
<b>Partition coefficient (n-octanol/water):</b>	No data available.
<b>Auto-ignition temperature:</b>	No data available.
<b>Decomposition temperature:</b>	No data available.
<b>Viscosity:</b>	No data available.

## 10. STABILITY AND REACTIVITY

<b>Reactivity:</b>	No data available.
<b>Chemical Stability:</b>	No data available.
<b>Possibility of hazardous reactions:</b>	No data available.
<b>Conditions to avoid:</b>	No data available.
<b>Incompatible Materials:</b>	No data available.
<b>Hazardous Decomposition Products:</b>	No data available.

## 11. TOXICOLOGICAL INFORMATION

### Information on likely routes of exposure

<b>Inhalation:</b>	No data available.
<b>Skin Contact:</b>	No data available.
<b>Eye contact:</b>	No data available.

**Ingestion:** No data available.

**Symptoms related to the physical, chemical and toxicological characteristics**

**Inhalation:** No data available.

**Information on toxicological effects**

**Acute toxicity (list all possible routes of exposure)**

**Oral**

**Product:**

**Dermal**

**Product:**

**Inhalation**

**Product:**

**Repeated dose toxicity**

**Product:** No data available.

**Skin Corrosion/Irritation**

**Product:** No data available.

**Serious Eye Damage/Eye Irritation**

**Product:** No data available.

**Respiratory or Skin Sensitization**

**Product:** No data available.

**Carcinogenicity**

**Product:** No data available.

**IARC Monographs on the Evaluation of Carcinogenic Risks to Humans:**

**Germ Cell Mutagenicity**

**In vitro**

**Product:** No data available.

**In vivo**

**Product:** No data available.

**Reproductive toxicity**

**Product:** No data available.

**Specific Target Organ Toxicity - Single Exposure**

**Product:** No data available.

**Specific Target Organ Toxicity - Repeated Exposure**

**Product:** No data available.

**Aspiration Hazard**

**Product:** No data available.

## 12. ECOLOGICAL INFORMATION

**Ecotoxicity**

**Acute hazards to the aquatic environment:**

**Fish**

**Product:** No data available.

**Aquatic Invertebrates**

**Product:** No data available.

**Chronic hazards to the aquatic environment:**

**Fish**

**Product:** No data available.

**Aquatic Invertebrates**

**Product:** No data available.

**Toxicity to Aquatic Plants**

**Product:** No data available.

**Persistence and Degradability**

**Biodegradation**

**Product:** No data available.

**Bioaccumulative potential**

**Bioconcentration Factor (BCF)**

**Product:** No data available.

**Mobility in soil:**

No data available.

### 13. Disposal considerations

**Disposal instructions:** No data available.

**Contaminated Packaging:** No data available.

### 14. TRANSPORT INFORMATION

**CNDG**

UN number or ID number:

UN Proper Shipping Name: NOT DG REGULATED

Transport Hazard Class(es)

Class: NR

Label(s): –

EmS No.:

Packing Group: –

Marine Pollutant: No

Special precautions for user: Not Regulated.

**IMDG**

UN number or ID number:

UN Proper Shipping Name: NOT DG REGULATED

Transport Hazard Class(es)

Class: NR

Label(s): –

EmS No.:

Packing Group: –

Marine Pollutant: No

**IATA**

UN number or ID number:

Proper Shipping Name:	NOT DG REGULATED
Transport Hazard Class(es):	
Class:	NR
Label(s):	—
Packing Group:	—
Marine Pollutant:	No
Cargo aircraft only:	Allowed.

## 15. REGULATORY INFORMATION

China. National Catalogue of Hazardous Wastes

China. Highly Toxic Chemicals (Dept. of Health Notice)

China. Very Toxic Chemicals (Public Notice No. 2)

China. Precursor Chemicals (Decree No. 445 of the PRC on Regulation for Administration of Precursor Chemicals, Appendix: Categories 1-3)

China: CWC. Controlled Chemicals List (Regulations on the Administration of Controlled Chemicals, Decree No. 190, Dec. 27, 1995, as amended)

China. Explosive Precursor Hazardous Chemicals (Ministry of Public Safety, 2011 version)

China. National List of Ozone Depleting Substances (MEP/NDRC/MIIT Joint Notice No. 2010-72)

China. Catalog of Hazardous Chemicals

## 16. OTHER INFORMATION

### Definitions:

**Revision Date:** 08.08.2024

**Further Information:** No data available.

**References:** Prepared in accordance with GB/T 16483 and GB/T 17519.

**Disclaimer:** The Lincoln Electric Company urges each end user and recipient of this SDS to study it carefully. See also [www.lincolnelectric.com/safety](http://www.lincolnelectric.com/safety). If necessary, consult an industrial hygienist or other expert to understand this information and safeguard the environment and protect workers from potential hazards associated with the handling or use of this product. This information is believed to be accurate as of the revision date shown above. However, no warranty, expressed or implied, is given. Because the conditions or methods of use are beyond Lincoln Electric's control, we assume no liability resulting from the use of this product. Regulatory requirements are subject to change and may differ between various locations. Compliance with all applicable Federal, State, Provincial, and local laws and regulations remain the responsibility of the user.

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