



## 1. Product and Company identification

### 1.1 Product name

H44 Mo 0.50

### 1.2 Product type:

Gas welding wire

### 1.3 Application

Welding

### 1.4 Contact information Manufacturer

Manufacturer: Skyllberg Industri AB  
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Phone: +46-(0)583-403 00  
E-mail: info@skyllbergindustri.se  
Fax: +46-(0)583-402 25

## 2. Hazards identification

### 2.1 Classification and marking

This product is not considered hazardous as shipped. No marking is needed according to 1272/2008/EG (CLP)

### 2.2 Other hazards

Heat: Spatter and melting metal can cause burn injuries and start a fire.  
Radiation: Arc rays can severely damage eyes and skin.  
Dust: Dust may irritate eyes and lungs.  
Fumes: Overexposure to welding fumes can cause health problems.  
Electricity: Electrical shock can kill.

## 3. Composition / Information on ingredients

### 3.2 Compositions

Ingredients	CAS-no	Weight %	Hazard statement-CLP	Hazard classification
Iron	7439-89-6	ca 98 %	-	
Manganese	7439-96-5	0.90 - 1.20	-	
Silicon	7440-21-3	0.10 - 0.20	-	
Carbon	7440-44-0	0.09 - 0.15	-	
Phosphorus	7723-14-0	max 0.020	H228 H412	Flam. Sol. 1 Aquatic Chronic 3
Sulphur	7704-34-9	max 0.015	H315	
Molybdenum	7439-98-7	0,45-0,60	-	Skin Irrit. 2
Copper	7440-50-8	max 0.15	-	
Nickel	7440-02-0	max 0.30	H351 H372** H317	Carc. 2 STOT RE 1 Skin Sens. 1
Vanadium	7440-62-2	max 0.10	-	
Chromium	7440-47-3	max 0.30		



#### 4. First aid measures

<b>Inhalation:</b>	If breathing is difficult, provide fresh air and call physician.
<b>Eye injury due to optical radiation:</b>	Call physician.
<b>Burns caused by optical radiation</b>	For skin burns from optical radiation, promptly flush with cold water. Get medical attention for irritation or burns that persist. To remove dust or particles wash with soap and water.
<b>Irritation in eyes due to dust:</b>	Flush with water. Get medical attention for irritation that persists.

#### 5. Fire fighting measures

No specific recommendations for welding consumables.

#### 6. Accidental release measures

No specific recommendations for welding consumables.

#### 7. Handling and storage

<b>Handling:</b>	No specific security recommendations.
<b>Storage:</b>	To be stored in a dry environment to avoid oxidization. Rust has a negative influence on the quality of the product.

#### 8. Exposure control/ Personal protection

Ensure sufficient ventilation and local exhaust to keep welding fumes and gases from breathing zone and general areas.

**Personal protection equipment:** such as gloves, helmets face shields with filter lens, safety boots, apron, arm and shoulder protection.

Warning: Welding fumes and gases can be dangerous to health. Optical radiation can damage eyes and skin. Please review and take into account the manufacturer's instructions and your employer's safety regulations. Other laws and regulations regarding the welding work must be followed.

#### 9. Physical and chemical properties

<b>Physical state:</b>	Solid
<b>Smell:</b>	None
<b>Colour:</b>	Grey
<b>Shape:</b>	Straight cut lengths
<b>Melting point:</b>	>1000°C

#### 10. Stability and reactivity

This product is stable under normal conditions.

Contact with chemical substances like acids or strong bases could cause generation of gas.

Hazardous decomposition products: Welding fumes and gases. Contaminated or coated base materials can contribute to increased smoke and increased health risks.



## 11. Toxicological information

No toxicological influence as shipped.

Inhalation of welding fumes and gases can be dangerous to your health.

**Acute toxicity:** Overexposure to welding fumes may result in symptoms like metal fume fever, dizziness, nausea, dryness or irritation of the nose, throat or eyes.

**Chronical toxicity:** Overexposure to welding fumes may affect pulmonary function. Overexposure to manganese and manganese compounds above safe exposure limits can cause irreversible damage to the central nervous system, including the brain.

Regulations regarding welding work must be followed.

## 12. Ecological information

Welding consumables and material could degrade/weather into components originating from the consumables or from the materials used in the welding process. Avoid exposure to conditions that could lead to accumulation in soils or groundwater.

## 13. Disposal considerations

Discard any product, residue, disposable container or liner in an environmentally acceptable manner, in full compliance with national, federal or local regulations.

The manufacturer (Skyllberg Industri AB) is connected to the FTI.

## 14. Transportation information

No international regulations or restrictions are applicable.

## 15. Regulatory information

The safety data sheet is prepared according to the CLP legislation.

According to the REACH Regulation Annex XVII, cadmium is not present in welding electrodes at levels greater than 0.01 percent by weight.

## 16. Other information

The Safety data sheet is updated when changes in legislation or every three years.