



# SAFETY DATA SHEET

(according to: GB/T 16483-2008)

SDS edition: 2.0

Product Name: CO<sub>2</sub> Gas Welding anti-clogging agent

compile date: 1996.8

Revision date: 2022.8

## SECTION 1 chemical product and company identification

### product information:

**Product Name:** CO<sub>2</sub> Gas Welding anti-clogging agent

**Model:** QC-HQ200

**SDS number:** qc-8001

### Product use:

**Recommended:** Automatic welding machine welding nozzle, carbon dioxide gas shielded welding machine nozzle, conductive welding nozzle, etc. to prevent clogging caused by welding slag bonding, so that it is always smooth and clean, which can prolong the service life of welding torch nozzle; this product can also be used as The surface of the weldment is protected from welding slag to protect the surface of the weldment from being clean.

**Restricted use:** For welding industry only.

### Company information:

**Enterprise name:** SWP Ltd

**Address:** Unit 1, Withins Point, Withins Road, Haydock Industrial Estate, Haydock

**Zip code:** WA11 9UD

**E-mail:** sales@swp.uk.net

**Phone number:** +44 (0)1942 719930

**Fax number:**

**Emergency contact:** sales@swp.uk.net

**Emergency telephone:** +44 (0)1942 719930

## SECTION 2 hazards summarizing

**GHS Classification:** Not included in the catalogue of hazardous chemicals (2015 Edition).

**Physical :** Not classified.

**Health Hazards:** Serious Eye Damage/Irritation (Category 2B)

Respiratory Sensitization (Category 1)

Skin Sensitization (Category 1)

Carcinogenicity (Category 1B)

**Environmental Hazards:** Not classified.

The hazards not mentioned are not applicable or no date available.

**GHS Label Elements :**



### Pictogram:

**Signal Word :** Danger

**Hazard :** Causes eye irritation.



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May cause allergy or asthma symptoms or breathing difficulties if inhaled.

May cause an allergic skin reaction.

May cause cancer.

## Prevention Precautionary Statements:

Wash thoroughly after handling.

Avoid breathing vapor/dust/gas/mist/spray.

If ventilation is insufficient, wear respiratory protection.

Wear protective gloves, goggles, face shield.

Do not handle until all safety precautions have been read and understood.

## Response precautionary statements:

**IF IN EYES** - rinse it carefully with water for several minutes. If you wear contact lenses and can take them out easily, take out the contact lenses and continue rinsing. If you still feel eye irritation, seek medical advice.

**IF INHALED** - Remove victim to fresh air and keep at rest in a position comfortable for breathing. If you feel unwell, seek medical attention.

**IF ON SKIN** - Rinse with plenty of soap and water. Get medical attention if skin irritation or rash occurs.

Remove contaminated clothing and wash before reuse.

## Storage Precautionary Statements:

Keep away from fire and heat sources.

Keep the container intact.

Storage locked up.

## Disposal Precautionary Statements:

Disposal of this product and container should be carried out in accordance with local, regional, national and international regulations.

## SECTION 3 composition/information on ingredients

**Product name:** mixture

### Main ingredient information:

number	Ingredient	CAS No.	EC NO.
1	Mineral fat	8009-03-8	232-373-2
2	Rosin	8050-09-7	232-475-7
3	Iron green	51274-00-1/147-14-8	257-098-5/205-685-1

## SECTION 4 first-aid measures

**Skin Exposure:** Move the patient to a place with fresh air to rest and maintain a position conducive to breathing.

If you feel unwell, see a doctor.

**IF ON SKIN:** Rinse with plenty of soap and water. If skin irritation occurs, seek medical attention. Remove contaminated clothing and wash before reuse.

**IF IN EYE CONTACT:** Rinse carefully with water for 15 minutes, remove contact lenses if present and easily accessible. Continue rinsing. If eye irritation persists, seek medical attention.

**IF INGESTED:** induce vomiting or seek medical advice.



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**Acute and delayed effects and main symptoms:** No Information

**Special Note to Doctors:** No Information

## **SECTION 5 fire-fighting measures**

**Suitable extinguishing agents:** fire water mist, foam, dry ice, carbon dioxide.

**Specific hazards from chemicals:**

Carbon monoxide and carbon dioxide may be released under high temperature or combustion; Combustion supporting in case of open fire and high heat.

**Protective measures for firefighters:**

Firefighters shall wear self-contained positive pressure respirators and fire protective clothing to prevent skin and eye contact; Extinguish the fire at the upwind position; Evacuate irrelevant personnel to a safe area.

## **SECTION 6 Accidental release measures**

**Worker precautions, protective equipment and emergency procedures:**

Use personal protective equipment; Maintain adequate ventilation; Avoid inhalation of steam or dust; Remove all ignition sources. Ensure that the crowd is away from the leakage area or in the upwind direction of the leakage area, and irrelevant personnel are not allowed to enter.

**Environmental protection measures:**

It cannot be directly discharged into the wastewater system and must be fully recycled.

**Control and cleaning methods and materials:**

Absorb with inert materials (such as dry sand, vermiculite), and collect with a clean shovel in a dry, clean, covered container, sealed and stored until disposal. Ventilate and sprinkle water after cleaning to avoid dust.

**Other information:** No relevant information.

## **SECTION 7 handling and storage**

**Operation precautions:**

Operators should be trained and strictly abide by the operating procedures. It is recommended that operators wear general work protective clothing and appropriate chemical protective gloves to avoid inhalation of vapors and direct contact with eyes and skin. Keep away from fire and heat sources, and smoking is strictly prohibited in the workplace. The workplace should have ventilation systems and equipment. Avoid contact with strong oxidizing agents. When moving, it should be lightly loaded and unloaded to prevent the package from being broken and damp, causing losses.

**Storage precautions:**

store in a dry, cool and well ventilated place. Keep the container sealed, avoid package damage, and keep away from heat source, spark and open fire. The storage area shall be equipped with corresponding types and quantities of fire-fighting equipment, leakage emergency treatment equipment and appropriate receiving materials..

## **SECTION 8 exposure controls/personal**

**Occupational Exposure Limits:** nothing

**Engineering control:** adequate ventilation shall be provided in the workplace.



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**Personal Protective Equipment:** General Precautions

**Respiratory Protection:** Use suitable respirator when ventilation is insufficient.

**Eye Protection:** Safety goggles.

**Skin and body protection:** Work clothes.

**Hand Protection:** Protective gloves.

**Other Precautions:** Handle in accordance with good industrial hygiene and safety practice. Smoking and eating are strictly prohibited in the workplace. After work, wash your hands and change clothes.

## SECTION 9 physical and chemical properties

<b>Appearance:</b>	Green viscous cream
<b>Odor:</b>	weak odor
<b>PH value:</b>	Not applicable
<b>Melting point °C (drop point):</b>	51~55。
<b>Flash point°C:</b>	>196
<b>Upper and lower limits of combustion / explosion:</b>	no relevant information
<b>Vapor pressure:</b>	no relevant information
<b>Vapor density:</b>	no relevant information
<b>Proportion 20°C:</b>	0.82-0.83。
<b>Solubility(IES):</b>	Immiscible in water。
<b>n-octanol / water distribution system:</b>	no relevant information.
<b>Spontaneous combustion temperature:</b>	no relevant information.
<b>Decomposition temperature:</b>	no relevant information.
<b>Evaporation rate:</b>	no relevant information.
<b>Flammability:</b>	not applicable.
<b>Explosive:</b>	no relevant information.
<b>Oxidizability:</b>	no relevant information.
<b>Surface tension:</b>	no relevant information.
<b>Viscosity (kinematic viscosity mm<sup>2</sup>/s):</b>	6.5~7.8 (100°C)

## SECTION 10 stability and reactivity

**Reactivity:** No information available

**Stability:** Stable under normal operating and storage conditions.

**Hazardous reactions:** No relevant information available.

**Conditions to avoid:** open fire.

**Incompatible Materials:** Strong oxidizers.

**Hazardous Decomposition Products:** Carbon monoxide, carbon dioxide, iron and their oxides.

## SECTION 11 toxicological information

**Acute toxicity:**

**Rosin:** acute oral toxicity-ld50-7600mg/kg (IUCLID, 2000)

Acute skin toxicity -ld50 - > 2500 mg/kg (IUCLID, 2000)



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**Iron green:** oral toxicity in rats - ld50- > 2000 mg/kg

Rat skin toxicity -LD50->5000 mg/kg

**Skin corrosion / irritation:** prolonged contact may cause skin irritation, It depends to different people .

**Eye damage / irritation:** contact may cause eye irritation.

**Respiratory or skin allergy:** inhalation may cause allergic or asthmatic symptoms or dispread; May cause skin allergic reaction.

**Germ cell mutagenicity:** no relevant information.

**Carcinogenicity:** may cause cancer.

**Reproductive toxicity:** no relevant information.

**Specific target organ systemic toxicity - one exposure:** no relevant information.

**Specific target organ systemic toxicity - repeated exposure:** no relevant information.

**Inhalation hazard:** ingestion or inhalation of vapors may be harmful.

## SECTION 12 ecological information

**Ecotoxicity:** no relevant information.

**Persistence and degradability:** no relevant information.

**Potential bioaccumulation:** no relevant information.

**Mobility in soil:** no relevant information.

## SECTION 13 disposal

**Disposal method:** Incineration method.

**Disposal Precautions:** Dispose of in accordance with laws, regulations and local regulations. If the packaging is in good condition, it can be recycled after removing the old label.

## SECTION 14 transport information

**UN classification:** no relevant information.

**UN No.:** no relevant information.

**UN official shipping name:** no relevant information.

**Packing category:** no relevant information.

**Marine pollutants:** No.

**Domestic regulations:** no relevant information.

**Special precautions:** no relevant information.

**Other information:** no relevant information.

## SECTION 15 regulatory information

This product is not listed in GB12268-2012 "List of Dangerous Goods";

This product is not included in the "Railway Dangerous Goods List" (2009 edition);

This product is not included in the "Catalogue of Hazardous Chemicals" (2015 edition).

## SECTION 16 other information

**Reference:**



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Information on Safety Culture Network.

The "Regulations on the Safety Management of Hazardous Chemicals" (2021 Amendment) has made corresponding regulations on the safe production, use, storage, transportation, loading and unloading of hazardous chemicals.

"Classification Marks of Commonly Used Hazardous Chemicals" (GB13690-2009), 5.6 Hazard Publicity: Safety Data Sheet (SDS)

"Principles of Classification of Dangerous Goods Transport Packaging" GB/T15098-2008

"Classification and Product Name Number of Dangerous Goods" GB6944-2012

**Revision instructions:** Revision every 5 years or when new relevant laws and regulations of the country are promulgated.

**Professional training required:** Provide trainees with adequate information and instructions.

**Data source:** provided by the company.

**Compilation date:** 1996.8

**Revised on:** 2022.8

## Disclaimer:

All relevant information is fully and truthfully provided in this MSDS, but we cannot guarantee its absolute breadth and accuracy. This MSDS only provides safety precautions for this product to those who have received appropriate professional training and use the product. Individual users who obtain this MSDS must make independent judgments on the applicability of this MSDS under special conditions of use. In special occasions, the company does not take any responsibility for the damage caused by the use of this MSDS.