



SAFETY DATA SHEET

Part Number: 47-XXX-XXX, 48-XXX-XXX

WELDING CARBON PRODUCTS

SECTION 1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier

Trade name WELDING CARBON PRODUCTS

1.2 Relevant identified uses of the substance or mixture and uses advised against

Not applicable

1.3 Details of the supplier of the safety data sheet

Supplier ARCAIR

Street address 2800 Airport Road
76207 Denton

Telephone 940-381-1323

1.4 Emergency telephone number

Emergency phone number 940-381-1323

Available outside office hours Yes

SECTION 2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

The product is not classified

2.2 Label elements

The product do not require labeling

2.3 Other hazards

Not applicable

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

3.2 Mixtures

Chemical name	CAS No. EC No.	Concentration	Classification	R-phrase H-phrase
Graphite	7782-42-5 -	<100%	- -	- -

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Substance additional information

Made up of synthetic graphite

SECTION 4. FIRST AID MEASURES

4.1 Description of first aid measures

Inhalation

If inhaled, remove to fresh air.

Skin contact

Wash skin thoroughly with soap and water or use recognized skin cleanser.

Eye contact

Flush eyes with water as a precaution. Hold eyelids apart and flush eyes with plenty of water for at least 15 minutes. Get medical attention.

Ingestion

DO NOT induce vomiting unless directed to do so by a physician or poison control center.

4.2 Most important symptoms and effects, both acute and delayed

Not applicable

4.3 Indication of any immediate medical attention and special treatment needed

Not applicable

SECTION 5. FIRE-FIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing media

use dry chemical, CO₂, water spray or "alcohol" foam

5.2 Special hazards arising from the substance or mixture

carbon dioxide (CO₂) carbon monoxide

5.3 Advice for firefighters

Special protective equipment for fire-fighters

Wear full firefighting turn-out gear (full bunker gear), and respiratory protection (SCBA).

SECTION 6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Not applicable

6.2 Environmental precautions

Prevent spreading over a wide area (e.g. by containment or oil barriers). Do not dispose of waste into sewer. Do not flush into surface water or sanitary sewer system.

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6.3 Methods and material for containment and cleaning up

Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13). Use approved industrial vacuum cleaner for removal.

6.4 Reference to other sections

Not applicable

SECTION 7. HANDLING AND STORAGE

7.1 Precautions for safe handling

Preventive handling precautions

Handle in accordance with good industrial hygiene and safety practice for diagnostics.

7.2 Conditions for safe storage, including any incompatibilities

Keep containers tightly closed in a cool, well-ventilated place. Keep in a dry place.

7.3 Specific end use(s)

Not applicable

SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Control parameters

Exposure limits

ACGIH TLV (mg/m³): Graphite (synthetic) = 2, Graphite (natural) = 2

National occupational exposure limits

CAS No.	EC No.	Exposure Limit Values ppm / mg/m ³	Short term exposure limit ppm / mg/m ³	Ceiling Limit Value ppm / mg/m ³	Country
7782-42-5	-	- 4	- -	- -	BA

8.2 Exposure controls

Technical precaution measures

Ensure sufficient ventilation, local exhaust, or both. Keep working place and protective clothing clean and dry. Check condition of protective clothing and equipment on a regular basis.

Eye / face protection

safety glasses

Safety gloves

solvent-resistant gloves

Respiratory protection

In case of insufficient ventilation wear suitable respiratory equipment.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

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9.1 Information on basic physical and chemical properties

Appearance	Grey to black solid
Appearance, colour	Grey to black
Appearance, physical state	solid, may be in the form of dust
Auto-ignition temperature	Not applicable
Decomposition temperature	Not applicable
Evaporation rate	Not applicable
Explosive properties	Not applicable
Flammability (solid, gas)	Not applicable
Flash point	Not applicable
Initial boiling point and boiling range	Not applicable
Melting point / freezing point	Not applicable
Odour	Not applicable
Odour treshold	Not applicable
Oxidising properties	Not applicable
Partition coefficient: n-octanol / water	Not applicable
Percent volatile	%
pH value	Not applicable
Relative density	Not applicable
Solubility	Not applicable
Solubility in water	Insoluble
Upper / lower flammability or explosive limits	Not applicable
Vapour density	Not applicable
Vapour pressure	Not applicable
Viscosity	Not applicable

9.2 Other information

Specific gravity (H₂O = 1) - 2.19-2.26

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SECTION 10. STABILITY AND REACTIVITY

10.1 Reactivity

No hazards to be especially mentioned.

10.2 Chemical stability

Stable under recommended storage conditions.

10.3 Possibility of hazardous reactions

Not applicable

10.4 Conditions to avoid

strong oxidizing agents

10.5 Incompatible materials

Liquid potassium, potassium peroxide, chlorine trifluoride, fluorine, rubidium, and caesium.

10.6 Hazardous decomposition products

carbon dioxide (CO₂) carbon monoxide

SECTION 11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute toxicity	Not applicable
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Irritation	Not applicable
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Corrosive effects	Not applicable
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Sensitisation	Not applicable
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Mutagenicity	Not applicable
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Carcinogenicity	Not applicable
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Repeated dose toxicity	Not applicable
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Reproductive toxicity	Not applicable
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SECTION 12. ECOLOGICAL INFORMATION

12.1 Toxicity

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Aquatic not water endangering

12.2 Persistence and degradability

Not applicable

12.3 Bioaccumulative potential

Not applicable

12.4 Mobility in soil

Not applicable

12.5 Results of PBT and vPvB assessment

Not applicable

12.6 Other adverse effects

Not applicable

SECTION 13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Disposal considerations Dispose of contents/container in accordance with local regulation. Do not flush into surface water or sanitary sewer system.

SECTION 14. TRANSPORT INFORMATION

14.1 UN number

Not applicable

14.2 UN proper shipping name

Not applicable

14.3 Transport hazard class(es)

Not applicable

14.4 Packing group

Not applicable

14.5 Environmental hazards

Not applicable

14.6 Special precautions for user

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Not applicable

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

SECTION 15. REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

National regulations WHMIS Classification

15.2 Chemical safety assessment

Not applicable

SECTION 16. OTHER INFORMATION

Other

Additional information For further information, please also consult our Internet site Information derived from practical experience. The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication.