



SAFETY DATA SHEET

Part Number: 42-059-008; 6TNJ9

ARCAIR TUFF-COTE-CUTTING ELECTRODES FLUX COATED

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

1.1 Product identifier

Trade name ARCAIR TUFF-COTE-CUTTING ELECTRODES FLUX COATED

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 940-566-2000

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. REACH No.	Concentration	Classification	R-phrase H-phrase
Iron	7439-89-6	95 - 99%	-	-



SAFETY DATA SHEET

Part Number: 42-059-008; 6TNJ9

ARCAIR TUFF-COTE-CUTTING ELECTRODES FLUX COATED

	231-096-4 01-2119462838 - 24		-	-
Limestone	1317-65-3 215-279-6 -	12 - 30%	- -	- -
Silicates	1312-76-1 215-199-1 -	4 - 15%	- -	- -
Cellulose	9004-34-6 232-674-9 -	0,4 - 12%	- -	- -
Silicates	1344-09-8 215-687-4 -	2 - 12%	- -	- -
Titanium oxide	13463-67-7 236-675-5 -	1 - 12%	- -	- -
Fluorides	7789-75-5 232-188-7 -	5 - 10%	- -	- -
Manganese	7439-96-5 231-105-1 01-2119449803 - 34	<2%	- -	- -
Nickel	7440-02-0 231-111-4 -	<2%	Canc3, T -	R40, R43, R48/23 H317, H351, H372
Molybdenum	7439-98-7 231-107-2 -	0,2 - 0,8%	- -	- -
Chromium	7440-47-3 231-157-5 -	0,5 - 0,7%	- -	- -

SECTION 4. FIRST AID MEASURES

4.1 Description of first aid measures

No first aid measures should be required for the unused electrodes.

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

SAFETY DATA SHEET

Part Number: 42-059-008; 6TNJ9

ARCAIR TUFF-COTE-CUTTING ELECTRODES FLUX COATED



Not applicable

SECTION 5. FIRE-FIGHTING MEASURES

5.1 Extinguishing media

Not applicable

5.2 Special hazards arising from the substance or mixture

Not applicable

5.3 Advice for firefighters

Not applicable

Other

Additional information in case of fire

Not combustible.

SECTION 6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Not applicable

6.2 Environmental precautions

Not applicable

6.3 Methods and material for containment and cleaning up

Not applicable

6.4 Reference to other sections

Not applicable

SECTION 7. HANDLING AND STORAGE

7.1 Precautions for safe handling

Preventive handling precautions

No special technical protective measures required.

7.2 Conditions for safe storage, including any incompatibilities

Keep in a dry place.

SAFETY DATA SHEET

Part Number: 42-059-008; 6TNJ9

ARCAIR TUFF-COTE-CUTTING ELECTRODES FLUX COATED



7.3 Specific end use(s)

This product is only intended for normal welding purposes. When this product is used in a welding process, the most important hazards are welding fumes, heat, radiation and electric shock.

SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Control parameters

Exposure limits

OSHA PEL (mg/m³): Manganese = 5, Chromium = 1, Nickel (metal) = 1, Soluble Compounds as Mo = 15, Calcium Carbonate = 15, Calcium Fluoride = 2.5, Titanium Dioxide = 10, Cellulose = 15, Potassium Silicate = 15, Iron (total dust) = 10 ACGIH TLV (mg/m³): Manganese = 1, Chromium = 0.5, Nickel Metal = 1.5, Soluble Compounds as Mo = 10, Calcium Carbonate = 10, Calcium Fluoride = 2.5, Titanium Dioxide = 10, Cellulose = 10, Potassium Silicate = 10, Iron (total dust) = 10

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
7440-47-3	-	- 0,5	-	-	BA
1317-65-3	-	- 4	-	-	BA
13463-67-7	-	- 4	-	-	BA
9004-34-6	-	- 4	- 20	-	BA

8.2 Exposure controls

Not applicable

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance

White plastic-coated tubular steel rod

Appearance, colour

Not applicable

Appearance, physical state

Not applicable

Auto-ignition temperature

Not applicable

Decomposition temperature

Not applicable

Evaporation rate

Not applicable

Explosive properties

Not applicable

Flammability (solid, gas)

Not applicable

SAFETY DATA SHEET

Part Number: 42-059-008; 6TNJ9

ARCAIR TUFF-COTE-CUTTING ELECTRODES FLUX COATED



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
pH value	Not applicable
Physical state	Solid
Relative density	Not applicable
Solubility	Insoluble
Upper / lower flammability or explosive limits	Not applicable
Vapour density	Not applicable
Vapour pressure	Not applicable
Viscosity	Not applicable

9.2 Other information

Not applicable

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

Not applicable

SAFETY DATA SHEET

Part Number: 42-059-008; 6TNJ9

ARCAIR TUFF-COTE-CUTTING ELECTRODES FLUX COATED



10.5 Incompatible materials

Not applicable

10.6 Hazardous decomposition products

Not applicable

SECTION 11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute toxicity Not applicable

Irritation Not applicable

Corrosive effects Not applicable

Sensitisation Not applicable

Mutagenicity Not applicable

Carcinogenicity WARNING! This product contains a chemical known in the State of California to cause cancer. California Prop. 65

Repeated dose toxicity Not applicable

Reproductive toxicity Not applicable

SECTION 12. ECOLOGICAL INFORMATION

12.1 Toxicity

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

SAFETY DATA SHEET

Part Number: 42-059-008; 6TNJ9

ARCAIR TUFF-COTE-CUTTING ELECTRODES FLUX COATED



12.6 Other adverse effects

Not applicable

SECTION 13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Disposal considerations Can be landfilled, when in compliance with local regulations.

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

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 CERCLA/SARA Title III

15.2 Chemical safety assessment

Not applicable

SAFETY DATA SHEET

Part Number: 42-059-008; 6TNJ9

ARCAIR TUFF-COTE-CUTTING ELECTRODES FLUX COATED



SECTION 16. OTHER INFORMATION

Phrase meaning

Canc3 - Cancer, Category 3

T - Toxic

R40 - Limited evidence of a carcinogenic effect.

R43 - May cause sensitization by skin contact.

R48/23 - Toxic: danger of serious damage to health by prolonged exposure through inhalation.

H317 - May cause an allergic skin reaction.

H351 - Suspected of causing cancer.

H372 - Causes damage to organs through prolonged or repeated exposure cause the hazard>.

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.