

Stick Electrodes Cobalt Base 1, 6, 12, 21, 25, X, MF-201, 706

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

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SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Identification

Product form : Article
Product name : Stick Electrodes Cobalt Base 1, 6, 12, 21, 25, X, MF-201, 706

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

Use of the substance/mixture : Welding industry.

1.3. Details of the supplier of the safety data sheet

Eureka Welding Alloys
2000 E. Avis Dr.
Madison Heights, MI 48045 - USA
T 800-962-8560
rkamen@eurekaweldingalloys.com

1.4. Emergency telephone number

Emergency number : 1-800-962-8560

SECTION 2: Hazard(s) identification

2.1. Classification of the substance or mixture

Classification (GHS-US)

Not classified

2.2. Label elements

GHS-US labeling

No labeling applicable

2.3. Other hazards

Other hazards not contributing to the classification : Exposure to metal dusts and oxides may cause metal fume fever. Metal fume fever is a temporary flu-like condition characterized by chills, fever, muscle aches and pains, nausea and vomiting. Typically the symptoms appear within a few hours after exposure and subside within 2-3 days with no permanent effects. Inhalation of fumes or vapors may cause respiratory irritation.

2.4. Unknown acute toxicity (GHS US)

3 percent of the mixture consists of ingredient(s) of unknown acute toxicity (Oral)
3 percent of the mixture consists of ingredient(s) of unknown acute toxicity (Dermal)
3 percent of the mixture consists of ingredient(s) of unknown acute toxicity (Inhalation (Dust/Mist))

SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable

3.2. Mixture

Name	Product identifier	%	Classification (GHS-US)
Cobalt	(CAS No) 7440-48-4	55 - 80	Resp. Sens. 1, H334 Skin Sens. 1, H317 Carc. 2, H351
Chromium	(CAS No) 7440-47-3	<= 35	Not classified
Limestone	(CAS No) 1317-65-3	<= 20	Not classified
Calcium fluoride	(CAS No) 7789-75-5	<= 20	Not classified
Tungsten	(CAS No) 7440-33-7	<= 20	Flam. Sol. 1, H228 Self-heat. 2, H252
Molybdenum	(CAS No) 7439-98-7	<= 20	Not classified
Silicic acid, sodium salt	(CAS No) 1344-09-8	<= 20	Skin Corr. 1B, H314 STOT SE 3, H335

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Potassium silicate	(CAS No) 1312-76-1	<= 20	Met. Corr. 1, H290 Skin Corr. 1B, H314 Eye Dam. 1, H318 STOT SE 3, H335
Titanium dioxide	(CAS No) 13463-67-7	<= 20	Carc. 2, H351
Nickel	(CAS No) 7440-02-0	<= 15	Skin Sens. 1, H317 Carc. 2, H351 STOT RE 1, H372
Iron	(CAS No) 7439-89-6	<= 10	Not classified
Carbon	(CAS No) 7440-44-0	<= 7	Not classified
Manganese	(CAS No) 7439-96-5	<= 5	Not classified
Titanium	(CAS No) 7440-32-6	<= 5	Not classified
Aluminium powder (stabilized)	(CAS No) 7429-90-5	<= 5	Flam. Sol. 1, H228 Water-react. 2, H261
Vanadium	(CAS No) 7440-62-2	<= 3	Not classified
Potassium titanate	(CAS No) 12030-97-6	<= 3	Not classified
Bentonite	(CAS No) 1302-78-9	<= 3	Not classified
Silicon dioxide (cristobalite)	(CAS No) 14808-60-7	<= 3	Carc. 1A, H350
Niobium	(CAS No) 7440-03-1	<= 2	Not classified
Iron oxide red	(CAS No) 1309-37-1	<= 2	Aquatic Chronic 2, H411
Silicon	(CAS No) 7440-21-3	<= 2	Not classified

Full text of H-phrases: see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures

- First-aid measures after inhalation : If inhaled and if breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.
- First-aid measures after skin contact : Gently wash with plenty of soap and water. Wash contaminated clothing before reuse. In the event of contact with molten product: Cool skin rapidly with cold water after contact with molten product.
- First-aid measures after eye contact : Hot material: Immediately flush eyes with plenty of water for at least 15 minutes. Seek medical assistance for mechanical removal of this material from the eye. Cold material: Flush eyes with plenty of water. Seek medical attention if irritation persists. Use of flush fluid, other than water, is not recommended.
- First-aid measures after ingestion : Not expected to present a significant ingestion hazard under anticipated conditions of normal use.

4.2. Most important symptoms and effects, both acute and delayed

- Symptoms/injuries after inhalation : Dust from this product may cause irritation to the respiratory tract. Inhalation of fumes may cause metal fume fever.
- Symptoms/injuries after skin contact : Heated product causes burns.
- Symptoms/injuries after eye contact : Excessive dust production may cause minor eye irritation. Heated product causes burns.
- Chronic symptoms : Excessive or prolonged inhalation of fumes may cause metal fume fever.

4.3. Indication of any immediate medical attention and special treatment needed

All treatments should be based on observed signs and symptoms of distress in the patient.

SECTION 5: Firefighting measures

5.1. Extinguishing media

- Suitable extinguishing media : Carbon dioxide. Dry chemical. Foam. Sand. Water fog. Use extinguishing media appropriate for surrounding fire.

5.2. Special hazards arising from the substance or mixture

No additional information available

5.3. Advice for firefighters

- Protection during firefighting : Do not enter fire area without proper protective equipment, including respiratory protection. Wear fire/flame resistant/retardant clothing. Wear a self contained breathing apparatus.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

- General measures : Avoid creating or spreading dust.