

	SAFETY DATA	FS- DT.30.03
	EUROTROD RC 14	DATE: 13-01-2010

1. IDENTIFICATION

Product: Covered electrode
Name: EUROTROD RC 14
Application: Manual arc welding
Classification: AWS A5.1: E 6013
EN ISO 2560-A-E 42 A RC 11
Manufacturer: Electro Portugal, Lda.- Parque Tejo, EN 10 Km 131,2
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Fax: +351 21 364 31 78
e-mail: dir.comercial@electro-portugal.pt

2. COVER COMPOSITION

Ingredient	Composition	CAS No.	R- Phrases	H- Symbol
Rutile	25-60	1317-80-2	-	-
Cellulose	0-15	9004-34-6	-	-
Manganese	5-15	7439-96-5	-	-
Iron	0-10	7439-89-6	-	-

3. DANGEROUS IDENTIFICATION

The product in the form of consumable does not present risks.

In its application the following aspects must be considered:

High temperatures: the sparks proceeding from the casting material can provoke fires, or burnings in the skin.

Radiation: the radiation emitted from the electric arc can cause wounds in the eyes and burnings in the skin.

Electric discharges: can provoke the death.

Gases: a continuous exposition can be dangerous for the health.

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4. FIRST AIDS PROCEDURES

The weld area will have to be always equipped with a blanket against fires and a kit for first-aid. It is desirable that an employee is trained for first- aid procedures. All the wounds must be treated by trained medical staff.

5. FIRE PROCEDURES

Equipment adjusted for extinguishing of fires such as buckets with sand or a dry chemical extinguisher will have to be readily available.

6. PROCEDURE IN CASE OF ACCIDENTAL LEAK

It is not necessary specific procedures.

7. HANDLING AND STORAGE

It does not need special cares of security. However it is necessary to follow the specific procedures of conservation.

8. INDIVIDUAL EXPOSITION/ PROTECTION CONTROL

In the form of consumable, it does not need any protection.

When used the relative norms of security for the weld process must be observed. It is essential that the operator and its assistant are duly dresses and protected of the ultraviolet heat produced by the rays and sparks during the weld. Security masks must protect the eyes. A helmet or a manual mask with filter and lens of covering is indispensable for the protection of the eyes.

Plastic lighters are very dangerous close to heat. It is very important that they are not in the pockets of the operators. The remains workers will have also to be in a security area. When it's possible the welding must be carried through a private area and moved away from the remains. If it is not possible to make use of a closed area, the protection to the other workers will have to be guaranteed through a portable thick partition wall or shield, or by the use of protection eyeglasses.

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The weld place must have adequate ventilation.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state: solid

Colour: Gray

Form: covered electrode

10. REACTIVITY AND STABILITY

The product is chemical steady, not provoking dangerous reactions with other substances.

11. TOXIC INFORMATION

The product does not have known toxic effects

12. ECOLOGICAL INFORMATION

The weld process can affect the environment if the gases are produced directly to the atmosphere.

13. WASTE DISPOSAL

Eliminate the product or its packing in accordance with the national or regional legislation. The product can be eliminated by any of the traditional methods (recycling, etc.).

14. TRANSPORT INFORMATION

It is not necessary specific procedures.

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15. INFORMATION ON REGULATION

WARNING:

Before use, read and understand the manufacture's instructions, Material Safety Data Sheets (MSDS's), and your employer's safety practices.

16. OTHERS INFORMATION'S

Electro Portugal is available to supply any complementary information.

This document was elaborated having in account the directives 91/155/CEE, 67/548/CEE and 199/45/CEE and Portuguese regulation.