



SAFETY DATA SHEET

1	IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING
----------	---

Product name: Roundit EMI C4 XWS

Supplier:

Federal-Mogul Corporation, Manchester International
Office Centre
Styal Road, Manchester M22 5TN
England
Tel: +44 (0) 161 955 5200
Fax: +44 (0) 161 955 5204

Emergency telephone:

24hr EP (INFOTRAC): 1-800-535-5053
International: (001) 352-323-3500

Intended use: Textile Sleaving

2	HAZARDS IDENTIFICATION
----------	-------------------------------

The product has been classified according to the legislation in force.

Classification: | Carc. Cat. 3; R40 | Xn; R48/20 | R43 |

The full text for all R-phrases is displayed in Section 16.

Potential health effects

Inhalation: Not relevant, due to the form of the product.

Eye contact: No adverse effects due to eye contact are expected.

Skin contact: Workers allergic to nickel may develop eczema or rashes. May cause sensitization by skin contact.

Ingestion: Not relevant, due to the form of the product.

Other health effects: Nickel compounds: Nickel causes sensitization by skin contact. The solid material can burn if strongly heated. In case of inhalation of fumes from heated product: Chronic inhalation of dust/fume causes metal fume fever. Limited evidence of a carcinogenic effect. Harmful: danger of serious damage to health by prolonged exposure through inhalation.

Potential physical / chemical effects: This product is not flammable. Will burn if involved in a fire.

Environment: The environmental hazard of the product is considered to be limited.

3 COMPOSITION/INFORMATION ON INGREDIENTS

Chemical name	EC No.	CAS-No.	Concentration *	Classification	Notes
Copper	231-159-6	7440-50-8	65 - 85%	-	-
Nickel	231-111-4	7440-02-0	1 - 5%	Carc. Cat. 3;R40, R43, T;R48/23, R52/53	-

* All concentrations are percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume. The components are not hazardous or are below required disclosure limits.

The full text for all R-phrases is displayed in Section 16.

4 FIRST-AID MEASURES

Inhalation: No specific first aid measures noted. If involved in a fire: Move injured person into fresh air and keep person calm under observation. Get medical attention immediately.

Eye contact: No specific first aid measures noted. However, immediately flush with plenty of water for at least 15 minutes.

Skin contact: Rinse immediately with plenty of water. In case of eczema or other skin disorders: Seek medical attention and take along these instructions.

Ingestion: No adverse effects due to ingestion are expected.

Note to physician: Treat symptomatically.

5 FIRE-FIGHTING MEASURES

Extinguishing media: This product is not flammable. Will burn if involved in a fire. Use fire-extinguishing media appropriate for surrounding materials.

Inappropriate extinguishing media: None.

Special fire fighting procedures: Use standard firefighting procedures and consider the hazards of other involved materials.

Unusual fire & explosion hazards: During fire, gases hazardous to health may be formed.

Hazardous combustion products: Metallic fumes

Protective measures: Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

6 ACCIDENTAL RELEASE MEASURES

Personal precautions: Avoid contact with skin. See Section 8 for personal protective equipment.

Spill cleanup methods: Collect and dispose of spillage as indicated in section 13.

Environmental precautions: No specific precautions.

7 HANDLING AND STORAGE

Handling: Normal handling and use of this product should not generate dust or fumes. Avoid contact with skin. Observe good industrial hygiene practices.

Storage: Store in closed original container in a dry place.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure limit values:

Chemical name	Source	Type	Workplace exposure limits	Notes
Copper (Inhalable dusts and mists)	EH40/2005	STEL	2 mg/m ³	as Cu
Copper (Inhalable dusts and mists)	EH40/2005	TWA	1 mg/m ³	as Cu
Copper (Fume.)	EH40/2005	TWA	0.2 mg/m ³	
Nickel	EH40/2005	TWA	0.5 mg/m ³	Skin, as Ni

Engineering controls: Used as intended, this product is not expected to generate potentially hazardous quantities of dust or fumes.

Respiratory protection: No protection is ordinarily required under normal conditions of use and with adequate ventilation.

Eye protection: No special precautions.

Hand protection: Wear protective gloves. Suitable gloves can be recommended by the glove supplier.

Skin protection: No skin protection is ordinarily required under normal conditions of use. In accordance with good industrial hygiene practices, precautions should be taken to avoid skin contact.

Hygiene measures: Wash hands after contact.

9 PHYSICAL AND CHEMICAL PROPERTIES

Physical state: Textile Sleaving

Colour: Light gray

Odour: Odourless

Odour threshold: No data available.

pH: Not applicable

Melting point: No data available.

Freezing point: No data available.

Boiling Point: Not applicable

Relative density: Not applicable

Vapour pressure: Not applicable

Vapour density (air=1): Not applicable

Evaporation rate: No data available.

Solubility in water: Insoluble

Solubility (other): No data available.

Partition coefficient (n-octanol/water): No data available.

Viscosity: Not applicable

Volatile organic compounds (VOC): Not applicable

Flash point: No data available.

Autoignition temperature: No data available.

Flammability limit - lower(%): Not applicable

Flammability limit - upper (%): Not applicable

Explosive properties: No data available

10

STABILITY AND REACTIVITY

Stability: Stable under normal temperature conditions and recommended use.

Conditions to avoid: No special precautions.

Incompatible materials: No data available.

Hazardous decomposition products:

At elevated temperatures:	Metallic fumes
---------------------------	----------------

Possibility of hazardous reactions: Will not occur.

11

TOXICOLOGICAL INFORMATION

Inhalation: Not relevant, due to the form of the product.

Eye contact: No adverse effects due to eye contact are expected.

Skin contact: No adverse effects due to skin contact.

Ingestion: No adverse effects due to ingestion are expected.

Sensitisation: May cause sensitization by skin contact. Workers allergic to nickel may develop eczema or rashes.

Carcinogenicity: The solid material can burn if strongly heated. Limited evidence of a carcinogenic effect.

Listed carcinogens:

Chemical name	IARC	NTP	OSHA	ACGIH
Nickel	2B	Listed	Not listed	A5

IARC: 1 = Carcinogenic to Humans; 2A = Probably Carcinogenic to Humans; 2B = Possibly Carcinogenic to Humans; 3 = Not classifiable as to carcinogenicity to humans; 4 = Probably not carcinogenic to humans; Not listed = Not evaluated by IARC.

ACGIH: A1 = Confirmed Human Carcinogen; A2 = Suspected Human Carcinogen; A3 = Confirmed Animal Carcinogen; A4 = Not classifiable as a human carcinogen; A5 = Not suspected to be a human carcinogen; Not listed = Not evaluated by ACGIH.

Mutagenesis: No data available.

Reproductive toxicity: No data available.

Other effects: Harmful: danger of serious damage to health by prolonged exposure through inhalation. The solid material can burn if strongly heated. In case of inhalation of fumes from heated product: Chronic inhalation of dust/fume causes metal fume fever.

12**ECOLOGICAL INFORMATION**

Ecotoxicity: The product is not expected to be hazardous to the environment.

Mobility: Not relevant, due to the form of the product.

Persistence and degradability: Not relevant.

Bioaccumulation potential: Not relevant.

13**DISPOSAL CONSIDERATIONS**

General information: Dispose of waste and residues in accordance with local authority requirements.

Disposal methods: Disposal recommendations are based on material as supplied. Disposal must be in accordance with current applicable laws and regulations, and material characteristics at time of disposal.

European waste codes

Unused product: 16 03 03*

14**TRANSPORT INFORMATION**

ADR/RID Not regulated.

IMDG Not regulated.

IATA Not regulated.

15**REGULATORY INFORMATION**

Contains: Nickel



Harmful.

R40; Limited evidence of a carcinogenic effect. R48/20; Harmful: danger of serious damage to health by prolonged exposure through inhalation. R43; May cause sensitization by skin contact.

S24; Avoid contact with skin. S36/37; Wear suitable protective clothing and gloves. S41; In case of fire and/or explosion do not breathe fumes. S45; In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

Young people under 18 years old are not allowed to work with this product according to EU Directive 94/33/EC on the protection of young people at work. Pregnant women should not work with the product, if there is the least risk of exposure.

Chemical name	CAS-No.	List citations
Nickel	7440-02-0	

Regulatory lists searched: 1 = Carcinogen

16**OTHER INFORMATION**

Wording of the R-phrases in sections 2 and 3: R40; Limited evidence of a carcinogenic effect. R43; May cause sensitization by skin contact. R48/20; Harmful: danger of serious damage to health by prolonged exposure through inhalation. R48/23; Toxic: danger of serious damage to health by prolonged exposure through inhalation. R52/53; Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Inventory status: All ingredients are either listed or exempt from listing on EINECS/ELINCS.

Issue date: 02-May-2012

Supersedes date:

SDS No.: Roundit EMI C4 XWS _UK

Disclaimer: The information provided on this data sheet was abstracted from supplier safety data sheets and standard references in occupational health and toxicology. Federal-Mogul makes no representation or warranty with respect to the information obtained from such references. The information is however, as of the date provided, true and accurate to the best of Federal-Mogul's knowledge, and should be used to make an independent determination of the methods to safeguard workers and the environment.