

MATERIAL SAFETY DATA SHEET**Phosphorus deoxidised copper** (3BLZ)**IDENTIFICATION****PRODUCT****Commercial name :** coils, strips, sheets, circles, blanks, billettes and cakes.**Alloy name :** Cu-DHP in accordance to : ISO 1337 and EN 1172

SF-Cu

DIN 1787

C 106

BS 2870

Cu-bl

NFA 51100

C12200

ASTM B 224

PRODUCER : UCA S.A.

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CHEMICAL COMPOSITION AND INFORMATION

Ingredient	% (weight)	CAS Nr	Safety symbol	Risks symbol
Cu	> = 99,90	7440-50-8	Not applicable	Not applicable
P	0,015-0,040 (*)	12185-10-3		

(*) the range must be adapted from the used technical standards.

PHYSICAL AND CHEMICAL PROPERTIES

Melting point : 1083 °C **Boiling point :** 2567 °C
Specific gravity: 8.9 **Vapor pressure :** not applicable
Stability : stable **Incompatibility :** amines, ammoniac and ammonium salts.
Solubility : insoluble in water and oil, soluble in nitric acid and hot concentrated sulfuric acid, slightly soluble in chlorhydric acid.

EMERGENCY

Ingestion : not applicable.

Inhalation : not applicable.

Eye contact : not applicable.

Skin contact : not established

FIRST AID PROCEDURES

Ingestion : not applicable.

Inhalation : not applicable.

Eye contact : not applicable.

Skin contact : consults a physician if irritation exists.

FIRE AND EXPLOSION DATA

Flash point : not applicable.

Flammability : not applicable.

Explosivity : not applicable.

Extinguishing media : not applicable.

HAZARDOUS DISPERSION

Individual protection : not applicable.

Environmental protection : avoid dispersion of particles in surface water.

ECOLOGY DATA**Mobility :** not applicable.**Legal rules :** national or local rules are only applicable.**Recycling :** the copper materials are fully recycled.**SHIPPING**

Product	Packaging	Means of transport
Cake	Bulk goods	Truck and/or boat
Billettes	Bulk goods	Truck and/or boat
Coils & strips	Wood frame Palett	Truck and/or boat
Sheets	Case Palett	Truck and/or boat
Circles	Case	Truck and/or boat
Blanks	Case	Truck and/or boat

APPROVAL

Ph. Smits

Commercial Manager

Ph. Nyssen

Research & Development Manager

DISCLAIMER

This information is furnished without warranty, expressed or implied, except that it is accurate to the best knowledge of UCA S.A.

The data on these sheets relates only the specific material designed herein.
UCA S.A. assumes no legal responsibility for use or reliance upon these data.

CERTIFIED MATERIAL TEST REPORT

Certificate Nr : 43594
 Customer : DEFRANCO NV
 Customer Ref. : bezoek 18/03 23001016
 Order Nr : 310554/10
 Material Desc. : Sheets
 Dimensions : 2250 MM X 1000 MM X 0,700 MM
 Part Nr :
 Item: 0000936
 Alloy: Copper Cu-DHP CW024A

Marking Nr	Weight	Cast	Sample	Marking Nr	Weight	Cast	Sample
10440420	498	3C0392/AC	03074461	10440422	500	3C0392/AC	03074461
10440423	504	3C0392/AC	03074461	10440424	504	3C0392/AC	03074461
10440425	503	3C0392/AC	03074461	10440426	503	3C0392/AC	03074461
10440427	504	3C0392/AC	03074461	10440430	505	3C0392/AC	03074461
10440431	506	3C0392/AC	03074461	10440434	506	3C0392/AC	03074461
10440436	507	3C0392/AC	03074461	10440438	506	3C0392/AC	03074461
10440439	506	3C0392/AC	03074461	10440442	538	3C0392/AC	03074461
10442437	513	3B3038/AB	03074879	10442441	514	3B3038/AB	03074879
10442442	514	3B3038/AB	03074879	10442443	515	3B3038/AB	03074879
10442446	514	3B3038/AB	03074879	10442447	514	3B3038/AB	03074879
10442449	514	3B3038/AB	03074879	10442450	514	3B3038/AB	03074879

EN CW024A CU DHP

Composition (%)	Cu+Ag	P						
Min	99.9000	0.0150						
Max		0.0400						
3B3038/AB	99.9694	0.0217						
3C0392/AC	99.9519	0.0161						

EN 1172 R240

Test	Tensile Strength Rm N/mm ²	Yield Strength Rp N/mm ²	Elongation 50 mm %					
Min	240	180	8					
Max	300							
03074461	285	212	24					
03074879	280	215	26					

EN 1172

Test	Thickness mm							
Min	0.680							
Max	0.700							
03074461	0.700							
03074879	0.685							

Fornaci di Barga 20/05/2003

We hereby certify that the materials described above have been manufactured, inspected throughout processing, examined and tested according to the requirements, and they comply with the specifications.

Document complying to EN 10204 3.1 B. Standard, issued under computerized control.
Signature not required. The DQA chief: Laura Del Frate

SMI Group



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Cap. Soc. €100.000.000 int. vers.
 Cod. Fiscale e Reg. Imprese
 di Firenze n° 00881250153
 Partita IVA IT04528110481
 REA n° 460501