



Giusto Manetti Battiloro S.p.A.



Azienda certificata secondo la  
norma SA8000

# MATERIAL SAFETY DATA SHEET

date of issue: 18/07/2014

PAGE 1 OF 3

## 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Name: DUKATEN DOUBLE GOLDLEAF KT.23.5

Use: gilding

Company identification: GIUSTO MANETTI BATTILORO S.p.A, Via Tosca Fiesoli, 89M 50013 Campi Bisenzio (Florence) - Italy

Emergency number: Italy, 055-4362655, 055-4362639 – e.mail: g.sonni@manetti.it

## 2. COMPOSITION / INFORMATION ON INGREDIENTS

97,2 % Gold  
Silver  
Copper

## 3. HAZARD IDENTIFICATION

Not applicable

## 4. FIRST-AID MEASURES

IN CASE OF SKIN: IMMEDIATELY WASH SKIN WITH SOAP AND COPIOUS AMOUNTS OF WATER.  
IN CASE OF EYES CONTACT: IMMEDIATELY FLUSH EYES WITH COPIOUS AMOUNTS OF WATER FOR AT LEAST 15 MINUTES.

IF INHALED: REMOVE TO FRESH AIR.

IF SWALLOWED: WASH OUT MOUTH WITH WATER. GIVE WATER ONLY IF PERSON IS CONSCIOUS.

CALL A PHYSICIAN.

## 5. FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA: WATER SPRAY, CARBON DIOXIDE, DRY CHEMICAL POWDER OR APPROPRIATE FOAM.

SPECIAL FIREFIGHTING PROCEDURES: WEAR SELF-CONTAINED BREATHING APPARATUS AND PROTECTIVE CLOTHING TO PREVENT CONTACT WITH SKIN AND EYES.

UNUSUAL FIRE AND EXPLOSIONS HAZARDS: UNDER FIRE CONDITIONS, MATERIAL MAY DECOMPOSE TO FORM FLAMMABLE AND/OR EXPLOSIVE MIXTURES IN AIR.

## 6. ACCIDENTAL RELEASE MEASURES

Personal precautions: use the means of protection mentioned in paragraph 8,

Environmental precautions: keep away from drainage channels or watercourses,

Methods for cleaning: remove, collecting the material in a container.

## 7. HANDLING AND STORAGE

Personal precaution measures: avoid contact with molten or high temperature material; wash skin after handling

Storage: keep tightly closed. Store in a cool dry place.

Prevention of fire and explosion: keep from contact with oxidizing materials. Minimize dust and scraps generation and accumulation.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure limits for workers: no exposure limits for workers

In working to maintain a good ventilation and air replacement.

In the case of working with the material at high temperatures protect the eyes and skin.

**Protection of airways:** usually not required. If the working environment is not ventilated wear mask.

**Eye protection:** in the case of working with the material at high temperatures protect your eyes with safety glasses.

**Hand protection:** in the case of working with the material at high temperatures protect your hands with gloves.

**Other information:** At work, not drinking and not smoking. Wash your hands always a fine job. Ensure proper personal hygiene.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: SOLID FILM, BROWN – GRAY, ODOURLESS

ODOUR: ODOURLESS

MELTING POINT: between 961°C and 1084°C

BOILING POINT: between 2162°C and 2808°C

DENSITY: 19,06 kg / dm<sup>3</sup>

SOLUBILITY: not soluble in water

## 10. STABILITY AND REACTIVITY

STABILITY: stable

INCOMPATIBILITIES: STRONG OXIDIZING AGENTS

HAZARDOUS COMBUSTION OR DECOMPOSITION PRODUCTS: TOXIC FUMES OF CARBON MONOXIDE, CARBON DIOXIDE.

## 11. TOXICOLOGICAL INFORMATION

MAY BE HARMFUL BY INHALATION, INGESTION, OR SKIN ABSORPTION.  
MAY CAUSE EYE OR SKIN IRRITATION.

## 12. ECOLOGICAL INFORMATION

DATA NOT YET AVAILABLE

## 13. DISPOSAL CONSIDERATION

OBSERVE ALL FEDERAL, STATE AND LOCAL ENVIRONMENTAL REGULATIONS.

## 14. TRANSPORT INFORMATION

NOT A DANGEROUS PRODUCT IN ACCORDANCE TO TRANSPORT REGULATIONS

## 15. REGULATORY INFORMATION

Reg. CE 1907/2006

## 16. OTHER INFORMATION

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replaces: -----

All information of this sheet are based on the actual knowledge. It does not rapresent a guarantee of the properties of the product and does not give reason for a legal-contractual businnes relation.