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RS4041

A.M. Ramp & Co GmbH, Druckfarbenfabrik, Lorsbacher Str. 28, D-65817 Eppstein, Germany

internet: <http://www.ruco.de> ... e-mail: info@ruco-inks.com

PB 100, D-65814 Eppstein, Germany

Trade name : 360-RS-4041

Telefax: +49 6198 322 88

Product identification : Metallic pigment

Phone : +49 6198 304 0

2. HAZARDOUS INGREDIENTS

Ingredient	CAS-Nr.	Concentration [%]	MAK-value [ppm]	Symbol	R-phrase (for 100%)
brass		> 50	---	F	11

3. HAZARDS IDENTIFICATION

Human health (See also section #15)

- Inhalation : -
- Skincontact : Degreasing effects. Prolonged or repeated contact may cause inflammation.
- Eyecontact : Moderate irritation by direct contact.
- Swallowing : Not known.

Environment : Harmful for aquatic environment. In case of fire may be formed: carbonmonoxide/carbondioxide

4. FIRST AID MEASURES

Inhalation : -

Skincontact : Dab with soft tissue and wash with plenty of water and soap. Do not use any organic solvent.

Eyecontact : Immediately rinse with plenty of water, keep eyelid lifted. In case of irritation see physician.

Swallowing : On vomiting lie person on their side and keep respiratory tract free. see physician. Do not induce vomiting.

5. FIRE FIGHTING MEASURES

Extinguishing media: Foam, carbon dioxide, waterspray Unsuitable media: waterjet

Hint : Do not allow extinguishing agent to soak into soil. Take measures to collect contaminated firefighting agents

Do not breathe vapours/fumes - use self-contained breathing apparatus

6. ACCIDENTAL RELEASE MEASURES

Person : Avoid contact with skin, eyes and clothes.

Environment : Prevent material to enter soil, drains or water courses.

Spill control : Absorb with sand, kieselguhr or other inert material.

For disposal fill in adequate containers and handle as special waste. See also section #13

7. HANDLING AND STORAGE

Storage : Keep container well closed after use. Avoid frequent warming above 50 °C.

Keep away from food. Preferably store in original container.

8. EXPOSURE CONTROL AND PERSONAL PROTECTION

Exposure : Install proper room ventilation in working- and storage area.

Respiratory : No special requirements with good room ventilation.

Eyes : When splashes may occur (pouring material into an other container) wear splash proof goggles.

Skin : Apply mild handcream. Use suitable protective gloves. (i.e. neoprene or polyvinyl alcohol)

General : When handling the product wear usual protective work clothes.

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 This information is accurate to the best of our knowledge however is furnished without expressed or implied warranty

9. PHYSICAL AND CHEMICAL PROPERTIES

pH-value.....	n.a.	Appearance.....	solid
Boilingpoint at.....[°C]:	n.a.	odour.....	characteristic
Flashpoint at.....[°C]:	> 100	Shade.....	gold
Ignitiontemperature at.....[°C]:	n.b.	Supporting fire.....	no
Lower explosion limit.....[vol%]:	n.a.	solubility in water.....	0 % fully soluble components
Upper explosion limit.....[vol%]:	n.a.	Viscosity.....	>> 90 sec in DIN-4-cup
vapour pressure.....[mbar]:	n.b.	Density.....[g/ml at 20°C]:	8.50

10. STABILITY AND REACTIVITY

Elevated temperature in the container may cause combustion. (Increase of vapour pressure)
 Direct contact with oxidants will yield decomposition/inflammation, liberating gases. Dangerous decomposition products: see section #3

11. TOXICOLOGICAL INFORMATION

Excessive vapour concentration may yield narcotic effects.

12. ECOLOGICAL INFORMATION

Biological degradability exists for some components of the product.
 Do not allow product to enter drains, groundwater or water courses.

13. DISPOSAL CONSIDERATIONS

EWC-Disposalcode (Used printing inks, without halogen containing solvents): 08 03 06 / proposal
 Liquid remainder is special waste. Do not dispose together with normal domestic waste. See local regulations.
 Send via licensed waste handler to dump, incineration or redistillation in accordance with local regulations.
 Emptied, cleaned and dry containers can be recycled.

14. TRANSPORT INFORMATION

ADR/RID: UN 3089 ENTZÜNDBARES METALLPULVER, N.A.G. (Messingpulver), 4.1, II
 IMDG: metalpowder, flammable, n.o.s. (brasspowder), 4.1, UN 3089, II
 IATA: metalpowder, flammable, n.o.s. contains brasspowder, 4.1, UN 3089, II

15. REGULATORY INFORMATION

Flammability.....: F, R 11: Highly flammable
 Health risk.....: No regulation
 R-phrases.....: -
 S-phrases.....: S7/8: Keep container tightly closed and dry
 S 43: In case use sand, never use water

TA-air : 0 % class I 0 % class II 0 % class III WGK (VwVWS): 1

16. OTHER INFORMATION

Explanation: n.a. = not applicable n.b. = not known n.m. = not measurable * = for organic solvents