

Material Safety Data Sheet

According to 91/155 EEC

Printing date 19.09.2007

Reviewed on 15.07.2005

1 Identification of substance/preparation and the company /undertaking:

* **Product details:*** **Trade name:** DECOMET® 4008/10* **Application of the substance / the preparation**

metallic pigment for paints, printing inks and plastics

* **Manufacturer/Supplier:**Schlenk Metallpulver GmbH&Co KG
Barnsdorfer Hauptstr.5
D-91154 Roth-BarnsdorfTel.: ++49/9171/808-0
Fax.: ++49/9171/808200* **Informing department:**

Department QSI

Tel.: ++49/9171/808320



Fax : ++49/9171/808208

* **Emergency information:**

++49/9171/808-0

2 Composition/Data on ingredients:

* **Chemical characterization*** **Description:** Mixture of the substances listed below with harmless additions.* **Dangerous components:**

CAS: 108-65-6 EINECS: 203-603-9	2-methoxy-1-methylethyl acetate	 Xi; R 10-36	70-90%
CAS: 7429-90-5 EINECS: 231-072-3	aluminium powder (stabilized)	 F; R 10-15	10-30%

3 Hazards identification

* **Hazard designation:**

Xi Irritant

* **Information pertaining to particular dangers for man and environment**

R 10 Flammable.

R 36 Irritating to eyes.

* **Classification system**

The classification is in line with current EC lists. It is expanded, however, by information from technical literature and by information furnished by supplier companies.

4 First aid measures

* **After inhalation** Supply fresh air; consult doctor in case of symptoms.* **After skin contact** The product is not skin irritating.* **After eye contact**

Rinse opened eye for several minutes under running water. If symptoms persist, consult doctor.

* **After swallowing** Seek medical treatment.

5 Fire fighting measures

* **Suitable extinguishing agents**

Alcohol-resistant foam

Use fire fighting measures that suit the environment.

(Contd. on page 2)

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(Contd. of page 1)

- * Protective equipment:**
Wear self-contained breathing apparatus.
Wear full protective suit.

6 Accidental release measures

- * Person-related safety precautions:** Wear protective equipment. Keep unprotected persons away.
*** Measures for environmental protection:**
Prevent material from reaching sewage system, holes and cellars.
Do not allow to enter drainage system, surface or ground water.
*** Measures for cleaning/collecting:** Do not flush with water or aqueous cleansing agents
*** Additional information:** See Section 7 for information on safe handling

7 Handling and storage

- * Handling**
*** Information for safe handling:** Store in cool, dry place in tightly closed containers.
*** Information about protection against explosions and fires:**
Keep ignition sources away - Do not smoke.
Protect against electrostatic charges.
*** Storage**
*** Requirements to be met by storerooms and containers:** No special requirements.
*** Information about storage in one common storage facility:** Not required.
*** Further information about storage conditions:**
Keep container tightly sealed.
Store in cool, dry conditions in well sealed containers.

8 Exposure controls and personal protection

- * Additional information about design of technical systems:** No further data; see item 7.

*** Components with critical values that require monitoring at the workplace:**

7429-90-5 aluminium powder (stabilized)

OEL	Short-term value: 5 mg/m ³ Long-term value: 5 mg/m ³
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- * Additional information:** The lists that were valid during the compilation were used as basis.

*** Personal protective equipment**

*** General protective and hygienic measures**

Keep away from foodstuffs, beverages and food.
Instantly remove any soiled and impregnated garments.
Wash hands during breaks and at the end of the work.
Avoid contact with the eyes and skin.

- * Breathing equipment:** Not required.

- * Protection of hands:** Not mandatory.

*** Material of gloves**

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

*** Penetration time of glove material**

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

(Contd. on page 3)

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Trade name: DECOMET® 4008/10

(Contd. of page 2)

- * **Eye protection:** Tightly sealed safety glasses.
- * **Skin protection:** Protective work clothing.

9 Physical and chemical properties:

* General Information

Form:	Fluid
Colour:	Silver grey
Smell:	Characteristic

* Change in condition

Melting point/Melting range: Not determined
Boiling point/Boiling range: 146°C

* **Flash point:** 44°C

* **Ignition temperature:** 315°C

* **Self-inflammability:** Product is not selfigniting.

* **Danger of explosion:** Product is not explosive. However, formation of explosive air/vapor mixtures is possible.

* Critical values for explosion:

Lower: 1.5 Vol %
Upper: 10.8 Vol %

* **Vapor pressure at 20°C:** 3.4 mbar

* **Density at 20°C** 1.0-1.4 g/cm³

* **Solubility in / Miscibility with Water:** Not miscible or difficult to mix

* **Solvent content:**
Organic solvents: 70-90 %

* **Solids content:** 10-30 %

10 Stability and reactivity

* Thermal decomposition / conditions to be avoided:

No decomposition if handled and stored according to specifications.

* **Dangerous reactions** No dangerous reactions known

* **Dangerous products of decomposition:** No dangerous decomposition products known

11 Toxicological information

* Acute toxicity:

* Primary irritant effect:

* **on the skin:** No irritant effect.

* **on the eye:** Irritant effect.

* **Sensitization:** No sensitizing effect known.

* Additional toxicological information:

The product shows the following dangers according to the calculation method of the General EC Classification Guidelines for Preparations as issued in the latest version:

(Contd. on page 4)

Material Safety Data Sheet

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Trade name: DECOMET® 4008/10

Irritant

(Contd. of page 3)

12 Ecological information:

*** General notes:**

Water hazard class 1 (Self-assessment): slightly hazardous for water.

Do not allow undiluted product or large quantities of it to reach ground water, water bodies or sewage system.

13 Disposal considerations

*** Product:**

*** Recommendation**

Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

*** European waste catalogue**

08 03 12	waste ink containing dangerous substances
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*** Uncleaned packagings:**

*** Recommendation:** Disposal must be made according to official regulations.

14 Transport information

*** Land transport ADR/RID and GGVS/GGVE (cross-border/domestic)**



*** ADR/RID-GGVS/E Class:** 3 Flammable liquids.

*** Kemler Number:** 30

*** UN-Number:** 3272

*** Packaging group:** III

*** Label:** 3

*** Proper shipping name:** 3272 Esters, n.o.s. (2-methoxy-1-methylethyl acetate)

*** Maritime transport IMDG/GGVSea:**



*** IMDG/GGVSea Class:** 3

*** UN Number:** 3272

*** Label:** 3

*** Packaging group:** III

*** EMS Number:** F-E, S-D

*** Marine pollutant:** No

*** Proper shipping name:** ESTERS, N.O.S. (2-methoxy-1-methylethyl acetate)

(Contd. on page 5)

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Trade name: DECOMET® 4008/10

(Contd. of page 4)

* Air transport ICAO-TI and IATA-DGR:



- * ICAO/IATA Class: 3
 * UN/ID Number: 3272
 * Label: 3
 * Packaging group: III
 * Proper shipping name: ESTERS, N.O.S. (2-methoxy-1-methylethyl acetate)

15 Regulatory information

* Designation according to EC guidelines:

The product has been classified and labelled in accordance with EC Directives / Ordinance on Hazardous Materials (GefStoffV)

* Code letter and hazard designation of product:

Xi Irritant

* Risk phrases:

10 Flammable.
 36 Irritating to eyes.

* Safety phrases:

7/8 Keep container tightly closed and dry.
 25 Avoid contact with eyes.

* National regulations

* Technical instructions (air):

Class	Share in %
III	90.0

* Water hazard class: Water hazard class 1 (Self-assessment): slightly hazardous for water.

16 Other information:

These data are based on our present knowledge. However, they shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

* Relevant R-phrases

10 Flammable.
 15 Contact with water liberates extremely flammable gases.
 36 Irritating to eyes.

* Department issuing data specification sheet: Department QSI

* Contact: Dipl.-Ing.(FH) Milisterfer