

Material Safety Data Sheet

According to 91/155 EC

Printing date 21.11.2003

Reviewed on 19.11.2002

1 Identification of substance:

*Product details:

*Trade name: **DECOMET 2104/10**

*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-Barnsdorf

Tel.: ++49/9171/808-0
 Fax: ++49/9171/808200

*Informing department:

Department QSB

Tel.: ++49/9171/808320

Fax: ++49/9171/808204

*Emergency information:




++49/9171/808-0

2 Composition Data on components:

*Chemical characterization

*Description: Flake Aluminium Powder, made into paste with solvent

*Dangerous components:

CAS: 141-78-6	ethyl acetate	 Xi,  F; R 11-36-66-67	90%
EINECS: 205-500-4			
CAS: 7429-90-5	aluminium powder (stabilized)	 F; R 10-15	10%
EINECS: 231-072-3			

3 Hazards identification

*Hazard designation:



Xi Irritant
 F Highly flammable

*Information pertaining to particular dangers for man and environment

R 11 Highly flammable.

R 36 Irritating to eyes.

R 67 Vapours may cause drowsiness and dizziness.

*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.

*Additional information:

The product evidently does not contain any organically bonded halogen compounds (AOX), nitrates, heavy metal compounds or formaldehydes.

4 First aid measures

*General information No special measures required.

*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.

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MARKETED BY
**HARWICK STANDARD
 DISTRIBUTION CORPORATION**

60 S. Seiberling Street • Akron, Ohio 44305

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5 Fire fighting measures

- *Suitable extinguishing agents
Alcohol-resistant foam
CO₂, sand, extinguishing powder. Do not use water.
- *For safety reasons unsuitable extinguishing agents Water.
- *Protective equipment: No special measures required.

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:
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Ensure adequate ventilation.
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.
Ensure good ventilation/exhaustion at the workplace.
Prevent formation of aerosols.
- *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: Store in cool location.
- *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.
Prevent from drying out.

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:

141-78-6 ethyl acetate	
OEL	1400 mg/m ³ , 400 ml/m ³
7429-90-5 aluminium powder (stabilized)	
OEL	5 mg/m ³

*Additional information: The lists that were valid during the compilation were used as basis.

- *Personal protective equipment
- *General protective and hygienic measures Wash hands during breaks and at the end of the work.
- *Breathing equipment:
In case of brief exposure or low pollution use breathing filter apparatus. In case of intensive or longer exposure use breathing apparatus that is independent of circulating air.
- *Protection of hands: Not required.

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***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 trough time has to be found out by the manufacturer of the protective gloves and has to be observed.

Eye protection: Tightly sealed safety glasses.**Body protection: Protective work clothing.****9 Physical and chemical properties*****General Information**

Form:	Fluid
Colour:	Silver-coloured
Smell:	Characteristic

***Change in condition**

Melting point/Melting range: Not determined

Boiling point/Boiling range: 76°C

***Flash point:** -1°C = 30°F

***Ignition temperature:** 460°C

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

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

***Critical values for explosion:**

Lower: 2.1 Vol %

Upper: 11.5 Vol %

***Steam pressure at 20°C:** 100 mbar

***Density at 20°C:** 0.964 g/cm³

***Solubility in / Miscibility with**

Water: Not miscible or difficult to mix

***Solvent content:**

Organic solvents: 90.0 %

***Solids content:** 10.0 %

10 Stability and reactivity***Thermal decomposition / conditions to be avoided:**

No decomposition if used and stored according to specifications.

***Dangerous reactions: No dangerous reactions known**

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

11 Toxicological information***Acute toxicity:*****Primary irritant effect:**

on the skin: No irritant effect.

on the eye: No irritant effect.

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*Sensitization: No sensitizing effect known.

*Additional toxicological information:

Aluminium powder is non-toxic and if appropriate handling is exerted no detrimental effects arise based on long years experience. The solvent, however may cause toxic effects.

13 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.

*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: 33

*UN-Number: 1173

*Packaging group: II

*Label: 3

*Maritime transport IMDG/GGVSea:



*IMDG/GGVSea Class: 3

*UN Number: 1173

*Label: 3

*Packaging group: II

*EMS Number: F-E,S-D

*Correct technical name: ETHYL ACETATE, mixture

*Air transport ICAO-TI and IATA-DGR:



*ICAO/IATA Class: 3

*UN/ID Number: 1173

*Label: 3

*Packaging group: II

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*Correct technical name: ETHYL ACETATE mixture

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

F Highly flammable

*Risk phrases:

11 Highly flammable.

36 Irritating to eyes.

67 Vapours may cause drowsiness and dizziness.

*Safety phrases:

7/8 Keep container tightly closed and dry.

16 Keep away from sources of ignition - No smoking.

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.

11 Highly flammable.

15 Contact with water liberates extremely flammable gases.

36 Irritating to eyes.

66 Repeated exposure may cause skin dryness or cracking.

67 Vapours may cause drowsiness and dizziness.

*Department issuing data specification sheet: Department QSB

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