Material Safety Data Sheet according to 91/155 EEC (EEC 93/112; EEC 2001/58)

1 IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND COMPANY

1.1 Identification of the substance or

1.2 Company/manufacturer: iepco ag
Manufacturer/distributer: iepco ag

PB No./street: Hofstrasse 21
State/postal code/city: CH - 8181 Höri
Country: Switzerland

Telephone: +41 (0)44 861 16 16
Telefax: +41 (0)44 860 63 86
Email: info@iepco.ch

Emergency information: Reto Furrer +41 (0)79 706 25 06

2 HAZARDS IDENTIFICATION

Critical hazards to man and environment

EC/R: Not applicable

3 COMPOSITION / INFORMATION ON INGREDIENTS

Chemical characterization (substance):

Definition according to EC directive: Aluminium oxide (Al₂O₃)

CAS No.: 1344 - 28 - 1 EINECS No.: 215 - 691 - 6

4 FIRST AID MEASURES

4.1 Inhalation: No special action required

4.2 Skin contact : No special action required

4.3 Eye contact: Flush with plenty of water.

4.4 Ingestion: No special action required

Seek medical advice if irritation persists

5 FIRE FIGHTING MEASURES

5.1 General information: Not inflammable

5.3 Extinguishing media which must not be

used for safety reasons: None know 5.4 Special exposure hazards arising from

the substance itself, combustion products, resulting gases: N

resulting gases: None known

5.5 Special protective equipment:..... Not applicable

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ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions: Avoid dust formation. Wear personal protective equipment (see also item 8.3) 6.2 No special measures required Environmental precautions: Methods for cleaning up: 6.3 Pick up mechanically and dispose of in accordance to regulations

HANDLING AND STORAGE

7.1 Handling:

> Precautions for safe handling: **Avoid dust formation**

Precautions against fire and explosion:...... No danger of fire and dust explosion

7.2

Conditions of storage rooms and vessels: ... No special precautionary measures

Advice of storage of incompatible materials: None None

Further information for storage:

EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Further information for system design and engineering measures: Not applicable

8.2 Components with specific control

Observe the local bylaws in terms of fine parameters as limit values:.....

dust (e.g.: TWA value 10 mg/m3; MAK value 6 mg/m3, see also item 16)

8.3 Personal protection equipment:

> General protection and hygiene measures: . Observe standard industrial hygiene

> > practice

Avoid inhaling the dust Respiratory protection:

> Fine-dust mask with category P1 filter must be used if fine dust limits are

exceeded.

Hand protection: Protective gloves are recommended Eye protection: Safety glasses are recommended

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9 PHYSICAL AND CHEMICAL PROPERITES

	9.1	Appearance:		
		Form:	Grains, powder	
		Colour:	Brown	
		Odour:	Odourless	
	9.2	Safety parameters:		
		Change in physical state:	melting point aprox. 2000°C	
		Flash point:	Not applicable	
		Flammability:	Not applicable	
		Ignition temperature:	Not applicable	
		Autoflammability:	Not applicable	
		Oxidizing properties:	Not applicable	
		Explosive properties:	Not applicable	
		Explosive limits:	Not applicable	
		Vapour pressure:	Not applicable	
		Specific gravity:	(3,7 – 4,5) g/cm ³	
		Bulk density:	(500 - 2500) kg/m³	
		Solubility in water:	Practically insoluble	
		pH value:	Not applicable	
		Partition coefficient n-octanol/water:	Not applicable	
<u>10</u>	0 STABILITY AND REACTIVITY			
	10.1	General information:	The material is stable, no hazardous	
			reactions known	
	10.2	Conditions to avoid:	Not applicable	
	10.3	Materials to avoid:	Not applicable	
	10.4	Hazardous decomposition products:	Non known	
<u>11</u>	TOXICOLOGICAL INFORMATION			
	11.1	General information:	No hazardous effects known, if used properly. No free silica included (see also	
	44.6		item 16)	
	11.2	Acute toxicity:	Not known	
<u>12</u>	ECOL	OGICAL INFORMATION		
	12.1	Information on elimination		
		(persistence and degradability):	Chemically inert and insoluble in water.	
			Separation by mechanical processes	
			(sedimentation, filtration etc.)	
	12.2	Behaviour in environmental compartments:	No environmental problems known	
	12.3	Ecotoxicity:	No harmful effects on water organisms anticipated	
	12.4	Further ecological Information:	No environmental problems expected, if handled and treated in accordance with standard industrial practice	

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13 DISPOSAL CONSIDERATIONS

13.1 Material: Can be stored with domestic waste.

Observe local bye-laws

13.2 Contaminated packaging:..... Packaging has to be emptied entirely.

Recycling of used packaging is

recommended. Local bye-laws must be

observed

14 TRANSPORT INFORMATION

	COVDinck / ADND plansification.	Nam kamandaysa matanial		
14.2	Inland waterways:			
	GGVE / RID:	Non hazardous material		
	GGVS / ADR - classification:	Non hazardous material		
14.1	Land transport:			

GGVBisch / ADNR - classification:...... Non hazardous material

14.3 Maritime transport:

GGVSee / IMDG - classification: Non hazardous material

14.4 Air transport:

ICAO-TI / IATA - classification: Non hazardous material

15 REGULATORY INFORMATION

15.1 Classification according to EC guidelines:
Danger symbol and danger-text of the

product: None
EC / R: None
EC / S: None

15.2 National regulations:

e.g.: (Germany) Classification according VbF: Not subjected to VbF

Water Pollution Category: Not water poluting (VwVwS (Germany)

dated 27.07.2005, enclosure 1)

16 FURTHER INFORMATION

Studies by the Institute for Hygiene and Industrial Medicine of the University of Essen showed that fused aluminium oxide (corundum) is inert and possesses no toxic or carcinogenic properties.

This information covers the safety requirements of the product(s) exclusively and is based on current knowledge and experience. It does not represent a guarantee for properties of the described product(s) in terms of the legal warranty regulations.

The product specification is contained in a separate product data sheet.

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