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Section 3. Composition/Information on Ingredients

A preparation containing the following hazardous ingredients

Ingredient	Concentration (% w/w)	CAS No.	EINECS No.	Hazard Symbol	R Phrase No.
Iron	60-70%	7439-89-6	231-096-4	Xn	R20
Chromium	15-30%	7440-47-3	231-157-5	Xn	R20
Molybdenum	0-10%	7439-98-7	231-107-2	Xn	R20
Copper	0-10%	7440-50-8	231-159-6	Xn	R20
Cobalt	0-10%	7440-48-4	231-158-0	Xn	R42/43
				Xn	R20
					R53
Manganese	0-10%	7439-96-5	231-105-1	Xn	R48/20
				Xn	R20
Silicon	0-10%	7440-21-3	231-130-8		

Section 4. First-aid Measures

Skin contact:	Wash off thoroughly with soap and water. Remove contaminated clothing and wash before re-use. In severe cases obtain medical attention.
Eye contact:	Irrigate thoroughly with water for at least 10 minutes. OBTAIN MEDICAL ATTENTION
Inhalation:	Remove from exposure, rest and keep warm. In severe cases, or if exposure has been great, OBTAIN MEDICAL ATTENTION
Ingestion:	Wash out mouth thoroughly with water. Obtain medical attention

Section 5. Fire-fighting Measures

Small Fires	Dry powder.
Large Fires	Dry powder.
Special Risks	Not readily combustible
Products of Combustion	Hazardous gases

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Section 6. Accidental Release Measures

Personal Precautions: Wear suitable protective clothing and equipment.

Environmental Precautions: Take precautions to ensure product does not contaminate ground or enter the drainage system.

Clean Up Methods

Small spillage: Do not allow the product to enter drains. Do not flush into surface water. Do not allow the product to contaminate sub-soil. Prevent further spillage if safe to do so. Mix solids with wet sand or other damp inert absorbent, and transfer carefully to sealed container. Arrange for removal by disposal company. Wash site of spillage thoroughly with water and detergent.

Large spillage: Solids should be carefully transferred to salvage containers. Any residues be treated as small spillages.

Section 7. Handling and Storage

Handling

Avoid contact with skin and eyes. Do not breathe dust. Work using a suitable extraction/ventilation system. Wash hands and face thoroughly after working with material. Contaminated clothing should be removed and washed before re-use.

Use appropriate containment to avoid environmental hazard.

Storage Store in a cool dry place

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Section 8. Exposure Controls and Personal Protection

CAS No.	Component		OEL 8hr limit		OEL 15min limit	
			ppm	mg/m ³	ppm	mg/m ³
7439-89-6	Iron	Iron Inhalable Dust	-	10.0	-	-
		Iron Respirable Dust	-	4.0	-	-
7440-47-3	Chromium		-	0.5	-	-
7439-98-7	Molybdenum		-	10.0	-	20.0
7440-50-8	Copper	Copper	-	1.0	-	2.0
7440-48-4	Cobalt		-	0.1	-	-
7439-96-5	Manganese		-	0.5	-	-
7440-21-3	Silicon	Silicon Inhalable Dust	-	10.0	-	-
		Silicon Respirable Dust	-	4.0	-	-

Personal Protection Equipment

As appropriate to the situation and quantity handled. Engineering methods to control or prevent exposure are preferred. Methods could include process enclosure or mechanical ventilation.

Environmental Exposure controls:

Use appropriate containment. Do not allow product to enter water supplies, wastewater or soil.

Section 9. Physical and Chemical Properties

Appearance and Colour	Grey
Odour	Odourless
Flammability	Non flammable, but could form explosive dust cloud
Water Solubility	Insoluble in water
Relative Density	7.83
Melting Point	-
Physical State	Powder

Section 10. Stability and Reactivity

Stability	Stable under normal conditions.
Reactivity	Incompatible with naked flame, oxidising agents and moisture

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Section 11. Toxicological Information

General

Repeated or prologued exposure: Avoid prolonged or repeated exposure.
May cause allergic reactions in susceptible people. May cause dermatitis.
Reperated or prolonged exposure may cause asthma and ezcema.

Further data

Section 12. Ecological Information

General

No environmental hazard is anticipated provided that the material is handled and disposed of with due care and attention.

Further data

Section 13. Disposal Considerations

Chemical residues are generally classified as special waste and as such, are covered by regulations which vary according to location. Contact your local waste disposal authority for advice or pass to a chemical company.

Section 14. Transport Information

Not regulated for transport

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Section 15. Regulatory Information



HARMFUL Xn

R Phrase No

R20	Harmful by inhalation.
R42/43	May cause sensitisation by inhalation and skin contact.

S Phrase No

S22	Do not breathe dust.
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German Water Classification (Verwaltungsvorschrift wassergefährdende Stoffe; VwVwS) WGK 2

Users should ensure that they comply with any relevant local, provincial or national legislation. In all cases the use of this material should be risk assessed as appropriate.

Section 16. Other Information

Revision: 0

Reason for Revision Revised for current regulations

Other Information:

CAUTION: FOR MANUFACTURING, PROCESSING OR REPACKING BY TRAINED PERSONNEL

The information contained herein is based on current knowledge and experience; no responsibility is accepted that the information is sufficient and correct in all cases.

Users should consider this data only as a supplement to other information gathered by them and must make independent determinations of suitability and completeness of information from all sources to ensure proper use and disposal of these materials and the safety and health of employees and customers and the protection of the environment.