

	MATERIAL SAFETY DATA SHEET	Document No	EYS-FR-430
		Date of Issue	12.03.2012
		Rev. Date	23.08.2024
		Rev. No	01
		GBF No	KDÇ-GBF-395
		Date of Issue	04.09.2024
		Rev. Date	-
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1. NAME OF THE PRODUCT			
PRODUCT CODE NO		PRODUCT USE	Construction, Reinforcement of concrete structures
		MANUFACTURER	Kaptan Demir Çelik

2. THIS PRODUCT CONTAINS THE DANGERS MENTIONED BELOW!	
Hazard Classification: Not classified as hazardous under OSHA Hazard Communication Standard 29 CFR 1910.1200 Label Elements: Not applicable Signal Word: None Hazard Statements: Not applicable Precautionary Statements: Handle with care to avoid cuts or abrasions. Use proper lifting techniques to avoid muscle strain.	
3. CHEMICAL COMPOSITION	Iron (Fe): %98-99 Carbon (C): %0,08-0,40 Manganese (Mn): %0,30-1,80 Silicon (Si): %0,10-0,40 Sulfur (S): %0,05 maks. Phosphorus (P): %0,05 maks. Other Alloying Elements: Copper (Cu), Chromium (Cr), Nickel (Ni) - trace amounts as specified in the Quality Specification Table.

4. IN CASE OF EMERGENCY, IMMEDIATELY FOLLOW THE FIRST AID RULES SPECIFIED BELOW!
1)Eye Contact: If metal dust or particles enter the eyes, rinse immediately with plenty of water. Seek medical attention if irritation persists. 2)Skin Contact: Wash affected area with soap and water. Seek medical attention for cuts or abrasions. 3)Inhalation: If exposed to fumes or dust, move to fresh air. Seek medical attention if symptoms persist. 4)Ingestion: Not expected to be a primary route of exposure. If ingestion occurs, seek medical attention.

COMPLY WITH THE CONDITIONS SET FORTH BELOW IN CASE OF FIRE, ACCIDENT AND STORAGE!
5. FIRE Flammability: Non-flammable. Suitable Extinguishing Media: Use extinguishing media appropriate for surrounding fire. Special Hazards Arising from the Substance: None under normal use conditions. Protective Equipment for Firefighters: Standard protective equipment should be worn.
6. ACCIDENT In Case of Spill: Sweep or vacuum fine chips into appropriate disposal containers. Take necessary precautions to prevent inhalation of dust. Environmental Precautions: Prevent large quantities from entering waterways.
7. HANDLING AND STORAGE Handling: Use proper handling techniques to avoid injuries. Wear gloves to prevent cuts and abrasions. Storage: Store in a dry, well-ventilated area. Protect from moisture and corrosive environments.

8. PROTECT YOUR HEALTH BY USING THE FOLLOWING SAFETY ITEMS!

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Occupational Exposure Limits: No specific exposure limits for steel. Follow general industrial hygiene practices.

Personal Protective Equipment:

Eye Protection: Safety glasses with side shields.

Skin Protection: Cut-resistant gloves.

Respiratory Protection: Not normally required. Use appropriate respiratory protection if dust or fumes are generated.

Ventilation: Use in a well-ventilated area

9. PHYSICAL AND CHEMICAL PROPERTIES	Appearance: Solid, metallic gray Odor: Odorless Melting Point: 1370-1450°C Density: ~7.85 g/cm³ Solubility: Insoluble in water
10. STABILITY AND REACTIVITY	Reactivity: Stable under normal conditions. Chemical Stability: Stable under normal storage and handling conditions. Incompatible Materials: Strong acids and bases. Hazardous Decomposition Products: None under normal use conditions.

11. IF THIS PRODUCT IS NOT USED APPROPRIATELY, IT AFFECTS YOUR HEALTH AS FOLLOWS!

Acute Toxicity: Not expected to be toxic.

Skin Corrosion/Irritation: Not expected to cause skin irritation.

Serious Eye Damage/Irritation: Metal dust may cause mechanical irritation.

Respiratory or Skin Sensitization: Not expected to cause sensitization.

ADDITIONAL INFORMATION

12. ECOTOXICITY: Not expected to be hazardous to the environment.

13. WASTE DISPOSAL METHODS: Dispose of in accordance with local, regional, and national regulations. Recycle where possible.

14. TRANSPORTATION: It is not in the dangerous goods class. Standard transportation methods may be applied.

15. REGULATORY INFORMATION: This product complies with OSH and other relevant regulations. However, dust and smoke generation can be dangerous.

16. OTHER INFORMATION: This form has been prepared based on known information. Precautions to be taken during use, storage, processing and disposal are the responsibility of the user.