



## Material Safety Data Sheet

Nr.: 02/01- "Unalloyed hot rolled flat steel coils and sheets"

### 1. SUBSTANCE/PREPARATION AND COMPANY NAME

#### 1.1 Product information

Hot rolled flat steel coils and sheets.

#### 1.2 Trade names

# Hot strip rolling coils and sheets.

#### 1.3 Information pertaining to manufacturer/supplier:

#### 1.4 Supplier :

HABAŞ AŞ.

Sanayi Caddesi No: 26 Bozköy / Aliğa / İZMİR  
TURKEY

Phn : +90 232 625 11 73 Pbx.

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### 2. HAZARDS IDENTIFICATION

#### 2.1 Classification of the substance or mixture :

##### Classification (GHS) :

Skin Sens. 1 : H317

Carc.1B : H350

#### 2.1 Label Elements:

##### Hazard pictograms (GHS- US) :



GHS07



GHS08

**Signal word:** Danger

##### **Hazard Statements :**

H317- May cause an allergic skin reaction

H350 - May cause cancer

##### **Precautionary Statement:**

P201 – Obtain special instructions before use

P202 - Do not handle until all safety precautions have been read and understood

P261 – Avoid breathing dust, fume

P272 – Contaminated work clothing must not be allowed out of the workplace

P280 – Wear protective gloves/ protective clothing/ eye protection/ face protection

P302+P352 - If on skin: Wash with plenty of water

P308+P313 – If exposed or concerned: get medical advice/attention

P333+P313 – If skin irritation or rash occurs: Get medicinal advice/ attention

P362+P364 – Take off contaminated clothing and wash it before reuse



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P405 – Store locked up

P501 – Dispose of contents/container to hazardous or special waste collection point, in accordance with local and regional, national and or international regulation

**2.1** Although this product is not considered a health hazard it should be handled according to the Pertinent standards of industrial hygiene and safety rules.

### 2.2 Hazardous components:

None of the components is present at concentrations sufficiently high to warrant classification as a hazardous substance in accordance with EU-guidelines.

## 3. COMPOSITION/DETAILS OF COMPONENTS

### 3.1 Chemical characterization :

Unalloyed steel (metal) with ca. 98% iron

| Components                     | Concentration (Volume) (%) | Product Identifier (CAS No) | EEC Number | EC Classification | CLP Classification                                   |
|--------------------------------|----------------------------|-----------------------------|------------|-------------------|------------------------------------------------------|
| Carbon (C)                     | 0,03-0,50 %                | 7440-44-0                   | 231-153-3  | -                 | H228<br>H251<br>H300<br>H315<br>H319<br>H335<br>H373 |
| Silicon (Si)                   | 0,05-0,35 %                | 7440-21-3                   | 231-130-8  | -                 | H228<br>H315<br>H319<br>H335                         |
| Manganese (Mn)                 | 0,30-1,50 %                | 7439-96-5                   | 231-105-1  | -                 | H228<br>H319<br>H373                                 |
| Phosphorous (H <sub>3</sub> P) | Max. 0,060 %               | 7723-14-0                   | 2317-36-7  | -                 | H228<br>H250<br>H300<br>H330<br>H314<br>H400<br>H412 |
| Sulphur (S)                    | Max. 0,060 %               | 7704-34-9                   | 231-722-6  | -                 | H315                                                 |
| Copper (Cu)                    | Max. 0,80 %                | 7440-50-8                   | 231-159-6  | -                 | H302<br>H319<br>H331<br>H400<br>H411                 |
| Chromium (Cr)                  | Max. 0,30 %                | 7440-47-3                   | 231-157-5  | -                 | H317<br>H319<br>H371<br>H400<br>H410                 |



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| Components      | Concentration (Volume) (%) | Product Identifier (CAS No) | EEC Number | EC Classification | CLP Classification           |
|-----------------|----------------------------|-----------------------------|------------|-------------------|------------------------------|
| Nickel (Ni)     | Max. 0,30 %                | 7440-02-0                   | 231-111-4  | -                 | H317<br>H350<br>H372<br>H412 |
| Molybdenum (Mo) | Max. 0,08 %                | 7439-98-7                   | 231-107-2  | -                 | H225<br>H228<br>H361         |
| Tin (Sn)        | Max. 0,08 %                | 7440-31-5                   | 231-141-8  | -                 | H319<br>H335                 |
| Arsenic (As)    | Max. 0,08 %                | 7440-38-2                   | 231-148-6  | -                 | H302<br>H322                 |
| Iron            | ca. 98 %                   | 7439-89-6                   | 231-096-4  | -                 | H317<br>H350                 |

### 3.2 Hazardous components:

None of the components is present at concentrations sufficiently high to warrant classification as a hazardous substance in accordance with EU-guidelines.

## 4. FIRST AID PROCEDURE

- 4.1 upon exposure of the eyes not applicable  
4.2 upon exposure of the skin not applicable  
4.3 upon swallowing not applicable  
4.4 upon inhalation not applicable  
Steel products in their natural state are not considered to be health hazards.

## 5. FIRE-FIGHTING PROCEDURES

Steel products in their natural state are not considered to be fire or explosion hazards.

- 5.1 Suitable extinguisher media : dry Sand, Powder, Foam  
5.2 Special dangers : **do not inhale iron oxide smoke**  
5.3 Combustion products : **iron oxides**

## 6. PROCEDURES TO BE INITIATED UPON ACCIDENTAL RELEASE

- 6.1 No special measures required

## 7. HANDLING AND STORAGE

### 7.1 Handling

### 7.2 Notes for safe handling

avoid inhaling dust generated by grinding and polishing, smoke generated by cutting



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**7.3 Recommendation** an welding, and aerosols. Ensure sufficient aeration/suction ventilation of working spaces. provide suction ventilation near outting/welding processes and avoid inhaling smoke and dust.

**7.4 Storage**

**7.5 Recommendation** no specials requirements

## 8. EXPOSURE LIMITATION AND PROTECTIVE GEAR

**8.1** Threshold limit value not applicable

**8.2** Protective gear not applicable

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**9.1** State of aggregation solid substance

**9.2** Color slivery, gray

**9.3** Odour odourless

**9.4** Density at 20 °C 7.85 g/cm<sup>3</sup>

**9.5** Melting point or range 1500-\*1540 °C

**9.6** Boiling point or range Fe = 2750 °C

**9.7** Ignition point or range not applicable

**9.8** Explosion hazard The product is not an explosion hazard.

**9.9** Solubility water insoluble

## 10. STABILITY AND REAKTIVITY

**10.1 Condition to be avoided** Under normal conditions the product is stable, hazardous chemical reactions of the substance are unlikely. The temperature should not exceed the melting point.

**10.2 Substances to be avoided** Acids, bases and other caustic substances

**10.3 Hazardous disintegration products** Generation of hydrogen as a product of the reaction with strong acids

## 11. TOXICOLOGICAL DATA

**11.1** No toxicological reactions have been reported to result from normal handling of the product. The inhalation of products of thermic reaction of the substance in the form of smoke may pose A health hazard.



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### 12. ECOLOGICAL DATA

12.1 There is no evidence available indicating that this product may be an environmental hazard.

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### 13. DISPOSAL

13.1 Not applicable

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### 14. TRANSPORT

14.1 Transport overland .....  
Not a hazardous product in accordance with transport regulations.

14.2 Transport by inland traffic .....  
Not a hazardous product in accordance with transport regulations.

14.3 Transport by seagoing traffic .....  
Not a hazardous product in accordance with transport regulations.

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### 15. REGULATIONS

15.1 This product is not listed in any of the regulations and ordinances concerning this safety data sheet.

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### 16. MISCELLANEOUS

16.1 The product described in the present safety data sheet must be used exclusively for the intended purpose. Hence, damages resulting from the inappropriate use of the product be considered on the basis of the usual rules of product liability. Any alteration of the product should therefore be agreed upon mutually in cooperation with the supplier.

### Safety Data Sheet Preliminary Information:

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