

SAFETY DATA SHEET

According to Regulation (EC) No 2020/878

Issue Date : 18.10.2018
Form No: GBF202212090464

Revision Date : 09.12.2022
Revision no : 01



Product Name: **MEB NICKEL TABLET**

1.PRODUCT AND COMPANY IDENTIFICATION

Product Name : MEB NICKEL TABLET

Chemical Family : Metal.

Substances in nanoforms : None

Identified Use : Industrial use, metal industry.

Uses advised against : No specific uses advised against are identified.

Details of the manufacturer and supplier of the safety data sheet :

Company name: Meb Metal ve Bileşikleri San. Tic. A.Ş.

Address : Barış Mah. 1804/2 Sok.No:24 Gebze/KOCAELİ /TÜRKİYE

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2.HAZARDS IDENTIFICATION

Classification of the substance or mixture :

Classification according to Regulation (EC) No 1272/2008 (CLP):

**Carc. 2;H351
STOT RE 1;H372**

GHS08



Skin Sens. 1 ;H317

GHS07



Hazard Statements (H) :

H317 : May cause an allergic skin reaction.

H351 : Suspected of causing cancer.

H372 : Causes damage to organs through prolonged or repeated exposure.

Precautionary Statements (P):

P201 : Obtain special instructions before use.

P260 : Do not breathe dusts or fumes.

P262 : Do not get in eyes, on skin, or on clothing.

P264 : Wash hands thoroughly after handling.

P270 : Do not eat, drink or smoke when using this product.

P280 : Wear protective gloves/protective clothing/eye protection/face protection.

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P304 + P340 IF INHALED : Remove victim to fresh air and keep at rest in a position comfortable for breathing.

P302 /350/333/313 IF ON SKIN : Wash with plenty of soap and water. If skin irritation or rash occurs: Get medical advice/attention.

P308 + P313 : IF exposed or concerned: Get medical advice/attention

P405 : Store locked up.

P501 : Dispose of contents/container in accordance with local regulations.

Potential Hazards :

Human Health : Suspected of causing cancer. Ingestion may cause harm in lungs and kidneys. Causes damage to organs through prolonged or repeated exposure. Dusts are irritating to eyes, skin and respiratory system; causes nausea, headache and shortness of breath.

Physical hazards : Not classified.

Environment : Not classified.

Label Elements :

Label In Accordance With (EC) No. 1272/2008

GHS Signal Word : DANGER

GHS Signal code : GHS07. GHS08.

Hazard Determining Components : Nickel.

See hazard pictograms, H and P statements above.

Other Hazards : None.

This product does not contain any PBT or vPvB substances.

Endocrine disrupting properties : None.

3.COMPOSITION/INFORMATION ON INGREDIENTS

Mixture: consisting of the following components:

Components	Cons. % (w/w)	EC no	CAS no	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Nickel	85-90	231-111-4	7440-02-0	Skin Sens. 1 ;H317 Carc. 2; H351 STOT RE 1;H372
Parafin waxes	10-15	265-145-6	64742-43-4	-

Composition Comments : The data shown are in accordance with the latest EC Directives

4. FIRST AID MEASURES

Description of first aid measures :

General : Remove all contaminated clothes. Do not breathe. Get medical attention immediately.

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Inhalation: Remove to fresh air. Get medical attention if any discomfort continues.

Eye contact: Promptly wash eyes with plenty of water while lifting the eye lids. Continue to rinse for at least 15 minutes. Get medical attention.

Skin contact: Wash skin thoroughly with soap and water.

Ingestion: Do not induce vomiting. Rinse mouth with plenty of water. Drink a few glasses of water or milk. Get medical attention.

Most important symptoms and effects, both acute and delayed :

Inhalation : Inhalation of dusts can cause irritative action on mucous membranes. Symptoms include burning, choking, coughing, wheezing, laryngitis, shortness of breath, headache or nausea.

Ingestion : Causes irritation of the mouth, gullet and gastrointestinal tract if swallowed. Symptoms include burning, choking, nausea, vomiting and pain.

Skin contact : May cause skin irritation or/and allergy. Symptoms include itching, redness, inflammation and/or swelling of exposed tissues.

Eye contact : May cause eye irritation. Symptoms include eye burns, watering eyes.

Indication of any immediate medical attention and special treatment needed : Eyes, skin or respiratory system irritation or damage, skin allergy.
Treat symptomatically.

5. FIRE FIGHTING MEASURES

Specific Hazards : Nickel oxides can form at high temperatures. Reacts violently with acids and releases explosive hydrogen gas. Mixtures of fine dusts with air can be explosive.

Extinguishing Media: Carbondioxide or dry chemicals.

Unsuitable Extinguishing Media : Water jet.

Unusual Fire and Explosion Hazards: Carbon, nitrogen and nickel oxides, nickel carbonyl, hydrogen gas and various hydrocarbons.

Advice for fire-fighters : Wear self-contained respiratory protective device. Wear fully protective suit.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions,protective equipment and emergency procedures: Wear protective clothing as described in section 8 of this safety data sheet. Ensure adequate air ventilation. Avoid formation of dust or mist. Avoid eyes and skin contact. Do not breathe dusts or mists.Use spark-proof tools and explosion proof equipment.

Methods and material for containment and cleaning up : Do not touch spilled material. Pick up with vacuum or sweep up and store in an appropriate waste disposal container. Prevent entry into sewers, basements or confined areas.

Environmental precautions : Keep spills away from drinking water supplies. Prevent entry into sewers, basements or confined areas. Spillages or uncontrolled discharges into watercourses must be alerted to the Environmental Agency or other appropriate regulatory body.

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7. HANDLING AND STORAGE

Precautions for safe Handling: Provide adequate ventilation. Protect from moisture, water. Prevent formation of dust. Avoid eyes and skin contact. Observe good chemical hygiene practices. Do not eat, drink or smoke during use. Wash hands before breaks and at the end of work. Air mixtures of dust can be explosive, take precautions.

Conditions for Safe Storage, including any incompatibilities: Store at moderate temperatures in dry, well ventilated area away from food and food products. Keep in original container. Keep away from incompatibles such as oxidizing agents, strong acids and alkalis. Keep away from heat sources and open flames. Do not eat, drink or smoke in storage areas. Provide eye wash stations and safety showers.

Specific end use(s) : The identified uses for this product are detailed in Section 1.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational Exposure Limits :

Nickel TWA : 0.5 mg/m³

Paraffin TWA : 2 mg/m³

DNEL (Derived No Effect Level) :

Nickel

DNEL (worker-inhalation- short term -local effect) : 11.9 mg/m³

DNEL (worker-inhalation- long term-local effect) : 0.05 mg/m³

DNEL (worker-inhalation- long term-systemic effect) : 0.05 mg/m³

DNEL (worker -dermal- long term-local effect) : 0.035 mg Ni/cm²

DNEL (general population -inhalation- long term-local effect) : 0.05 mg/m³

Exposure controls :

Engineering measures : Avoid dust and mist. Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of dusts below their respective threshold limit value. The usual precautionary measures are to be adhered to when handling chemicals. Wash hands before breaks and at the end of work. Do not eat or drink while working. Avoid contact with the eyes and the skin. Provide eyewash stations or safety showers.

Personal Protection :

Eye Protection: Safety glasses, goggles or a face shield (EN 166).

Hands Protection : Protective PVC, rubber or butyl gloves (EN 374).

Skin and Body Protection: Protective work clothing.

Respiratory Protection : Use suitable NIOSH approved filter mask or respiratory protective device.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance : Solid.

Colour : Grey.

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Odour : None.
pH : Not applicable.
Melting Point : Not available.
Boiling Point : Not available.
Flash Point : Not applicable.
Auto-Ignition Temperature : Not applicable.
Explosion Limits : Not available.
Specific Gravity : Not available.
Solubility : Insoluble in water.

10. STABILITY AND REACTIVITY DATA

Chemical Stability : Stable under prescribed storage and normal use conditions.
Reactivity : Keep away from excessive heat and incompatible materials.
Possibility of hazardous reactions : Mixtures of fine dusts with air can be explosive.
Conditions to avoid : Excessive heat and open flames, humidity, water. Formation of dust.
Incompatibility :
Materials to avoid : Avoid strong acids (nitric acid, hydrochloric acid, etc.); strong oxidizers and alkalis.
Hazardous Decomposition or By Products: On heating/burning: release of carbon, nitrogen and nickel oxides, nickel carbonyl, hydrogen gas and various hydrocarbons.

11. TOXICOLOGICAL INFORMATION

Information on hazard classes as defined in Regulation (EC) No 1272/2008 :

Acute toxicity : Not toxic.

No classification for toxicity. Based on available data and calculations, the classification criteria are not met.

LD₅₀ oral rat (Nickel) : > 9000 mg/kg

LC₅₀ inhalation rat (Nickel) : >10.2 mg/L/1 h

ATE_{mix} oral : > 9000 mg/kg

ATE_{mix} inhalation : > 10 mg/L/1 h

CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction) :

Carcinogenicity : Nickel is classified as Grup 2B Carcinogen (Possible for humans) by IARC.

Toxicity for reproduction : Not available.

Mutagenity : Not available.

Specific target organ toxicity – single exposure :

STOT – Single exposure : Not available.

Specific target organ toxicity – repeated exposure :

STOT – Repeated exposure : Causes damage to organs through prolonged or repeated exposure.

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Aspiration Toxicity : None.

Information on likely routes of exposure : Inhalation, skin contact, eye contact.

Symptoms related to the physical, chemical and toxicological characteristics :

Acute effects :

Inhalation : Inhalation of dusts can cause irritative action on mucous membranes . Symptoms include burning, choking, coughing, wheezing, laryngitis, shortness of breath, headache or nausea. Lung and liver damage can occur from acute exposure.

Ingestion : Causes irritation of the mouth, gullet and gastrointestinal tract if swallowed. Symptoms include burning, choking, nausea, vomiting and pain. May cause harm in lungs and kidneys, may cause death.

Eye contact : May cause eye irritation or damage. Symptoms include eye burns, watering eyes.

Skin contact : May cause skin irritation and/or allergy.

Sensitization : May cause an allergic skin reaction.

Delayed and immediate effects as well as chronic effects from short and long-term exposure :

Chronic Toxicity : Suspected of causing cancer. Prolonged exposure may lead to central nervous system and lung damage. May cause an allergic skin reaction.

Information on other hazards :

Endocrine disrupting properties : None.

12. ECOLOGICAL INFORMATION

Ecotoxicity : Not classified.

Always comply with federal, state, and local environments.

LC₅₀ (Nickel) : 1.3 mg/L/96 h (Fish)

EC₅₀ (Nickel) : 0.51 mg/L/96 h (Daphnia magna)

PNEC (Predicted No-effect Concentration)

Nickel

PNEC (fresh water) : 0.0036 mg/L

PNEC (marine water) : 0.0086 mg/L

PNEC (STP) : 0.33 mg/L

PNEC (Sediment) : 109 mg/kg (fresh water)

PNEC (Sediment) : 109 mg/kg (marine water)

PNEC (Soil) : 29.9 mg/kg

PNEC (Oral) : 0.12 mg/kg

Toxicity : Not toxic.

Persistence and degradability : Not available.

Bioaccumulative potential : Bioaccumulation not expected.

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Product Name: **MEB NICKEL TABLET**

Mobility in soil : Low mobility.

Results of PBT and vPvB assessment : This product does not contain any PBT or vPvB substances.

Endocrine disrupting properties : None.

Other adverse effects : No information required.

13. DISPOSAL CONSIDERATIONS

General information : This product is not hazardous waste.

Waste treatment methods : Dispose according to federal, state and local official regulations.

Do not discharge into drains or rivers.

14. TRANSPORT INFORMATION

General Classification (ADR/RID, IMDG, IATA/ICAO) :

The product is not covered by international regulation on the transport of dangerous goods.

UN No : Not applicable.

Proper Shipping Name : Not applicable

Transport label : No transport warning sign required.

Environmental Hazards :

Environmentally hazardous substance/Marine pollutant : No.

15. REGULATORY INFORMATION

Safety, health and environmental regulations/legislation specific for the substance or mixture :

EU Legislation :

COMMISSION REGULATION (EU) 2020/878 of 18 June 2020 amending Annex II to Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH).

Approved Code of Practice :

Safety Data Sheets for Substances and Preparations.

Classification and Labelling of Substances and Preparations Dangerous for Supply.

Guidance Notes :

Workplace Exposure Limits EH40.

Chemical Safety Assessment : Chemical Safety Assessment has not been carried out..

The regulatory information is not intended to be comprehensive. Other local regulations may apply to this material.

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16. OTHER INFORMATION

This Safety Data Sheet (SDS) has been fully issued according to the CLP and REACH regulations based on the information received from the product owner.

Safety Data Sheet Issued By : Chemical Engineer Birgul Ankaralı (info@okyanuschem.com)

Date Issued : 23.10.2018
Revision Date : 09.12.2022

Contact Person : Evren KUMCU : info@mebmetal.com.tr

Safety Data Sheet has been revised due to regulation change.

Hazard Statements in Article 3 :

H317 : May cause an allergic skin reaction.

H351 : Suspected of causing cancer.

H372 : Causes damage to organs through prolonged or repeated exposure.

Abbreviations in SDS :

CLP:Classification, Labelling and Packaging

GHS:Global Harmonised System

CAS no: Chemical Abstracts Service registry number of the material

EC no (EINECS no) : European Community number for chemicals

TWA : A Time-Weighted Average Exposure Limit

IARC : : The International Agency for Research on Cancer

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road

RID: Regulations Concerning the International Transport of Dangerous Goods by Rail

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

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