

**SAFETY DATA SHEET**
according to Regulation (EC) No. 1907/2006**SMARTNI TABLET****1-IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING****1.1. Identification of the substance / mixture**Product Name: **SMARTNI TABLET**
Product Code: SNI**1.2 Relevant identified uses of the substance or mixture and uses advised against**

Identified uses: Hot-dip galvanized

The SmartNi system allows the operator to conveniently adjust the nickel amount to the level required for the most effective product composition. After the desired level has been reached with the initial fill (and, if necessary, correction fills), daily nickel additions effectively preserve the chemistry of the zinc pool and allow for consistency in product quality. The recommended nickel level is 0.05%.

1.3 Details of the supplier of the safety data sheet:ANI METAL SANAYI TICARET A.S.
Beytepe Mh. Piri Reis Caddesi 2/5 Cankaya-Ankara / TURKEY
Tel: +90 312 287 55 10
Fax: +90 312 287 55 29**1.4 Emergency telephone number: +90 312 287 55 10****2-HAZARDS IDENTIFICATION****2.1 Classification of the substance or mixture**

Classification (REGULATION (EC) No 1272/2008)

Skin Sensitization (Category 1), H317
Carcinogenicity (Category 2), H351
Specific target organ toxicity - repeated exposure, Inhalation (Category 1), Lungs, H372
Long-term (chronic) aquatic hazard (Category 3), H412**2.2. Label elements**

Labeling according to Regulation (EC) No 1272/2008 [CLP]



GHS08



GHS07

Signal word (CLP) : Danger

Hazard statements (CLP) : H317: Causes an allergic skin reaction.
H351: Suspected of causing cancer.
H372: Causes damage to organs through prolonged or repeated exposure.
H412: Harmful to aquatic life with long lasting effects.Precautionary statements (CLP): P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources.
No smoking.
P233: Keep container tightly closed.

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- P240: Ground and bond container and receiving equipment.
P241: Use explosion-proof electrical/ ventilating/ lighting/ equipment.
P242: Use non-sparking tools.
P264: Wash skin thoroughly after handling.
P273: Avoid release to the environment.
- P280: Wear protective gloves/protective clothing/eye protection/face protection.
P305 + P351 + P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P332 + P313: If skin irritation occurs: Get medical advice/attention.
P370 + P378: In case of fire: Use material other than water for extinction.
P403 + P233: Store in a well-ventilated area. Keep container tightly closed.
P405: Store locked up.
P403 + P235: Store in a well-ventilated place. Keep cool.
P501: Dispose of contents / container according to local, regional and international rules

2.3 Other hazards

No data available

3-COMPOSITION/INFORMATION ON INGREDIENTS**3.1. Substances**

Substance or Compound	Content (%)	Product Description	Classification
nickel powder	70-75	CAS No: 7440-02-0 EC No: 231-111-4	Skin Sens. 1; H317 Carc. 2; H351 STOT RE 1; H372 Aquatic Chronic 3; H412
paraffin	20-25	CAS No: 8002-74-2 EC No: 232-315-6	Not a hazardous substance or mixture according to Regulation (EC) No 1272/2008.

Full text for all (H) Sentences and (P) statements is given in section 16.

4-FIRST AID MEASURES**4.1. Description of first aid measures****General advice**

Show this material safety data sheet to the doctor in attendance.

If inhaled

Take the casualty out into the open air. Nothing should be given by mouth. Consult the doctor.

In case of skin contact

Take off your dirty clothes. Wash with soap and plenty of water. Consult the doctor.



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In case of eye contact

Remove contact lenses, if any. Open eyelids and rinse with plenty of water. Consult a doctor if discomfort persists. min. Wash for 10 minutes.

If swallowed

Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult the doctor. Do not try to induce vomiting.

4.2. Most important symptoms and effects, both acute and delayed

The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11.

4.3. Indication of any immediate medical attention and special treatment needed

No data available

5-FIREFIGHTING MEASURES

5.1. Extinguishing media

Suitable extinguishing media: Carbon dioxide (CO₂), Foam, Dry powder, water mist

5.2. Special hazards arising from the substance or mixture

Harmful gases and vapors may be formed. Carbon oxides

5.3. Advice for firefighters

In the event of fire, wear self-contained breathing apparatus.

5.4 Further information

Remove container from danger zone and cool with water. Prevent fire extinguishing water from contaminating surface water or the ground water system.

6-ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Advice for non-emergency personnel: Do not breathe vapors, aerosols. Avoid substance contact. Ensure adequate ventilation. Keep away from heat and sources of ignition. Evacuate the danger area, observe emergency procedures, consult an expert. For personal protection see section 8.

6.2 Environmental precautions

If there is no safety hazard, prevent further patterns and spills. Make sure it is included in the sewer. Discharge into the environment should be avoided.

6.3 Methods and material for containment and cleaning up

Close the drains. Collect, sweep and shovel spills. Observe possible material restrictions (see sections 7 and 10). Get it dry. Dispose of properly. Clean the affected area. Avoid dust formation.

6.4 Reference to other sections

For disposal see section 13.



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7-HANDLING AND STORAGE

7.1. Precautions for safe handling

It should be kept in closed containers and should be worked in places away from the environment that will give guidance and exposed lights. Enjoy your contaminated clothes and wash them before wearing. Do not eat or drink while working. Skin and eye contact should be avoided, vapor, gas and dust should not be inhaled. Narrow down all health and safety environments mandated by labor laws.

For precautions see section 2.2.

7.2. Conditions for safe storage, including any incompatibilities

Keep container tightly closed in a cool, dry and well-ventilated place. Avoid heat, ignition sources and sun rays. No smoking. The entry of unauthorized persons must be prevented. Opened containers should be resealed and kept upright against spills. It should not be discharged into sewers. It should be kept away from oxidizing agents, strong alkalis and strong acids.

Protect from moisture and protect from freezing.
Tightly closed. Dry. It can be stored under inert gas.

7.3 Specific end use (s):

Apart from the uses mentioned in section 1.2 no other specific uses are stipulated.

8-EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

8.2. Exposure controls

Personal protective equipment:



Appropriate engineering controls

Handle in accordance with industrial hygiene and safety rules. Wash your hands before taking a break from work and at the end of the day.

Eye/face protection

Face shield and safety glasses Use eye protection equipment that has been tested and approved in accordance with standards such as NIOSH (US) or EN 166 (EU).

Skin protection

Wear gloves when handling. Gloves should be checked before use. Use the correct glove removal method (without touching the outer surface of the glove) to avoid skin contact with this product. Contaminated gloves should be disposed of in accordance with good laboratory practice and compliance.

The selected protection gloves must comply with the EU 2016/425 Regulation and the EN 374 standard prepared based on this regulation.

If used in solution, or mixed with other substances and used in a way other than the conditions specified in EN 374, consult the EU approved glove supplier. This information is advisory only and should be developed by a safety officer and hygienist who is knowledgeable about the specific situation of use expected by the customer. It should not be considered an endorsement for any particular use case.

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Complete suit protecting against chemicals, the type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Respiratory protection

In the risk assessment, use respirators with air purification and fully covering the face. Use relevant devices and equipment such as NIOSH (United States) or CEN (European Union).

Control of environmental exposure

Be careful not to mix with sewers and water sources.

9-PHYSICAL AND CHEMICAL PROPERTIES**9.1. Information on basic physical and chemical properties**

APPEARANCE	Solid
ODOUR	No data available
SOLUBILITY IN WATER	No data available
DENSITY (20 °C)	No data available
UPPER / LOWER FLAMMABILITY OR EXPLOSION LIMITS	No data available
MELTING / FREEZING POINT	No data available
DEGRADATION TEMPERATURE	No data available
INITIAL BOLLING AND BOILING RANGE	>320 °C
AUTOIGNITION TEMPERATURE	>190 °C
FLASH POINT	>190 °C
VAPOUR PRESSURE	No data available
VAPOUR DENSITY	No data available
POUR POINT	No data available
VISCOSITY	No data available
PH	No data available

9.2 Other information

No data available



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10-STABILITY AND REACTIVITY

10.1. Reactivity.

Stable under recommended storage conditions.

10.2. Chemical stability

Stable under recommended storage and processing conditions. (Chapter 7)

10.3. Possibility of hazardous reactions

Under normal conditions of storage and use, hazardous effects do not occur.

10.4. Conditions to avoid

Avoid heat, flame and other sources of ignition. The product should not freeze.

10.5. Incompatible materials

No data available

10.6 Hazardous decomposition products

Harmful gases and vapors may be formed.

11-TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute toxicity:

Nickel

ACGIH-TLV 1.5 mg/m³ (TWA), inhal.

Paraffin

ACGIH-TLV 2 mg/m³ (TWA), fume

Skin corrosion/irritation

No data available

Serious eye damage/eye irritation

No data available

Respiratory or skin sensitization

May cause skin sensitivity.

Germ cell mutagenicity

No data available

Carcinogenicity

It is suspected of causing cancer.

Reproductive toxicity

No data available



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Specific target organ toxicity - single exposure

No data available

Specific target organ toxicity - repeated exposure

Causes damage to organs through prolonged or repeated exposure.

Aspiration hazard

No data available

12-ECOLOGICAL INFORMATION

12.1. Toxicity

Ingestion

Acute toxicity (Mouse): LD50>5000 mg/kg

12.2 Persistence and degradability

No data available

12.3 Bioaccumulative potential

No data available

12.4 Mobility in soil

No data available

12.5 Results of PBT and vPvB assessment

No data available

12.6 Other adverse effects

No data available

13-DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Disposal methods:

Dispose of waste in an appropriate treatment and disposal facility in accordance with applicable laws and regulations and product specifications at the time of disposal. The product or the contaminated materials must be delivered to a licensed waste contractor in accordance with the regulations, within the scope of the Waste Management Regulation (02.04.2015 RG: 29314).

Contaminated Packaging:

Contaminated packages should be as empty as possible. Dispose of waste in an appropriate treatment and disposal facility, in accordance with applicable laws and regulations and product specifications at the time of disposal. Recycle after cleaning or dispose of at an authorized place.

This product and its container must be disposed of in a safe way. Personnel should wear protective clothing. Care should be taken in the selection of protective clothing to protect against irritation on the skin of the neck and wrists that may result from contact with dust. There may be product residue in empty containers or other packaging.

Vapor from product residues can create an easily flammable or explosive atmosphere in the container. Do not cut, weld, or grind used containers unless the interior is thoroughly cleaned. Do not allow spilled material to spread, run or come in contact with soil, waterways, drains.



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14-TRANSPORT INFORMATION

14.1 UN number

ADR/RID: - IMDG: - IATA: -

14.2 UN proper shipping name

ADR/RID: It is not dangerous under transport conditions.

IMDG: It is not dangerous under transport conditions.

IATA: It is not dangerous under transport conditions.

14.3 Transport hazard class(es)

ADR/RID: - IMDG: - IATA: -

14.4 Packing group

ADR/RID: - IMDG: - IATA: -

14.5 Environmental hazards

IMDG Marine pollutant: No

14.6 Special precautions for user

No data available

15-REGULATORY INFORMATION

15.1 Substance, health and environmental legislation

This safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006.

15.2 Chemical safety assessment

Chemical Safety Assessment has been carried out for this substance.

16-OTHER INFORMATION

Information Resources

This SDS is based on the information and documents received from the product owner company. The SDS preparer and the company cannot be held responsible for the material damages and moral negativities that the product owner company may encounter due to the incomplete or incorrect arrangement of the SDS.

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Abbreviations;

WEL: Workplace Exposure Limit

TWA: Workplace Exposure Limit

STEL: Short term exposure limit

DNEL: Derived No-Effect Level

DMEL: Derived minimum effect level



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PNEC: Predicted No-Effect Concentration
ATE: Acute Toxicity Estimation
REACH No: Number of Registration, Evaluation, Authorization and Restriction of Chemicals
EC No: European Community Number
CAS: Chemical Abstracts Service
ADR: European Agreement on the International Carriage of Dangerous Goods by Road
RID: European Agreement on the International Transport of Dangerous Goods by Rail
IMDG: International Maritime Dangerous Goods
IATA: International Air Transport Association
LC50: substance concentration causing 50% (half) death in the test animal group
LD50: Dose of substance causing 50% (half) death in test animal group (Median Lethal Dose)
PBT: Persistent, Bioaccumulative and Toxic Substance
vPvB: Very Persistent, Very Bioaccumulative
EUH: EU Hazard Statements

Full text of H statements found in Chapters 2 and 3;

H317: Causes an allergic skin reaction.
H351: Suspected of causing cancer.
H372: Causes damage to organs through prolonged or repeated exposure.
H412: Harmful to aquatic life with long lasting effects.

DISCLAIMER

This information relates only to a specific specific substance and should not be used in a composition or any process in which the same substance is used in combination with other substances. The information provided in this document is, to the highest level of knowledge and belief of the company, accurate and reliable information as of the date specified. However, no warranty or representation of any kind is made for its accuracy, reliability and completeness. It is the user's own responsibility to be satisfied that this information is suitable for his own use. This information is based on our current knowledge and is intended to define the health, safety and environmental requirements of the product. Therefore, this information should not be interpreted as a guarantee of any feature of the product. The data contained in the form are based on our current knowledge and are intended to describe the product in terms of safety requirements. The information given cannot be understood as giving any guarantee for any special or general specification / application and we do not accept any responsibility as the manufacturer company (sds owner company). The responsibility for the intended use of the product and its suitability for the method used belongs to the user. Any loss / damage arising from the use of the information in the form will not be accepted by us. In any case, our general sales conditions apply.

Ayşen Eda KABASAKAL
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