



Issue Date 11.01.2021
Revision Date -

SAFETY DATA SHEET

TR-ND-CE-04

According to Regulation (EU) No 2015

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier

Product name TR-ND- CE-04 (*Rhamnus petiolaris* Boiss)
Product identifier Textile dye

1.2. Relevant identified uses of the substance or mixture and uses advised against

Identified uses Textile

1.3. Details of the supplier of the safety data sheet

Manufacturer Natural Dyes Doğal Boya Hammaddeleri San. Ve Dış Tic. Ltd. Şti.
Mevlana Mah. Yıldırım Beyazıt Cad. Mor Menekşe Sites A2 D:8 Esenyurt / İstanbul/ TÜRKİYE
Tel: +90 212 853 53 72 Fax: +90 212 853 53 74

1.4. Emergency telephone number +90 532 352 80 55

e-mail: info@naturaldyes.com.tr

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

Classification
Physical and Chemical Hazards Not classified.
Human health Not classified
Environment Not classified.

2.2. Label elements

Label

Signal Word Not classified
Contains Not classified
Hazard Statements Not classified
Precautionary Statements Not classified

2.3. Other hazards

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SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.2. Mixtures

Name	EC No.	CAS No.	Content	Classification
Quercetin	-	117-39-5	30% - 50%	-
Rhamnetin	-	90-19-7	15% - 25%	-
Isorhamnetin	-	480-19-3	0.01% - 0.1%	-
Emodin	-	518-82-1	20% - 40%	-

*There are approximately 2 grams total dyestuff in 1000 grams dye plant. Isorhamnetin <0.1%.

Composition Comments

- The data shown are in accordance with the latest EC Directives.

SECTION 4: FIRST AID MEASURES

4.1. Description of first aid measures

Inhalation

Get medical attention if any discomfort continues.

Ingestion

Rinse mouth thoroughly. Get medical attention. Contact physician immediately if larger quantity has been consumed.

Skin contact

Wash the skin immediately with soap and water. Get medical attention if any discomfort continues.

Eye contact

Make sure to remove any contact lenses from the eyes before rinsing. Promptly wash eyes with plenty of water while lifting the eye lids. Get medical attention if any discomfort continues.

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

Inhalation : Cough.

Ingestion : Nausea, vomiting.

Skin contact : Irritation, redness. May cause sensitisation by skin contact. Allergic reaction.

Eye contact : Irritation, redness.

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

Treat Symptomatically.

SECTION 5: FIREFIGHTING MEASURES

5.1. Extinguishing media

Extinguishing media

This product is not flammable. Extinguish with foam, carbon dioxide, dry powder or water fog.

5.2. Special hazards arising from the substance or mixture



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Specific hazards Not classified.

5.3. Advice for firefighters

Special Fire Fighting Procedures

Avoid breathing fire vapours. Move container from fire area if it can be done without risk.
If possible, fight fire from protected position.

Protective equipment for fire-fighters

Self-contained breathing apparatus and full protective clothing must be worn in case of fire.
Face mask, protective gloves and safety helmet.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Wear protective clothing.

6.2. Environmental precautions

Avoid discharge into drains, water courses or onto the ground.

6.3. Methods and material for containment and cleaning up

Large Spillages: Remove spillage with vacuum cleaner. If not possible, collect spillage with shovel, broom or the like.

Small Spillages: Remove small spills with vacuum cleaner.

6.4. Reference to other sections

For personal protection, see section 8.

See section 11 for additional information on health hazards.

For waste disposal, see section 13.

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for safe handling

Do not eat, drink or smoke when using the product. Protect against direct sunlight.

Prevent formation of dust. In case of dust formation use the appropriate mask.

Read and follow manufacturer's recommendations. Avoid contact with skin and eyes.

7.2. Conditions for safe storage, including any incompatibilities

Store in tightly closed original container in a dry, cool and well-ventilated place.

Keep away from food, drink and animal feeding stuffs. Protect from light, including direct sunrays.

7.3. Specific end use(s)

Not classified

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

Not classified



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8.2. Exposure controls

Process conditions

Provide eyewash, quick drench.

Engineering measures

Provide adequate ventilation. Observe Occupational Exposure Limits and minimise the risk of inhalation of dust.

Respiratory equipment

If ventilation is insufficient, suitable respiratory protection must be provided.

Hand protection

Use protective gloves.

Eye protection

Wear dust resistant safety goggles where there is danger of eye contact.

Skin protection

Wear apron or protective clothing in case of splashes.

Environmental Exposure Controls

Please act in accordance with local and national laws.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Appearance	Dust
Colour	Yellow-green
Odour	Odourless
Solubility	Soluble in water.
Boiling Point	No data available.
Melting point	No data available.
pH-Value	4.0 – 6.0
Flash Point	No data available.
Decomposition temperature	No data available.
Density	No data available.
Viscosity	No data available.
Partition Coefficient (N-Octanol/Water)	Not available.

9.2. Other information

No information required.

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity

No specific reactivity hazards associated with this product.



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10.2. Chemical stability

Stable under normal temperature conditions and recommended use. Stable under the prescribed storage conditions.

10.3. Possibility of hazardous reactions

Hazardous Polymerisation

Unknown.

10.4. Conditions to avoid

Avoid Strong oxidizing chemicals

10.5. Incompatible materials

Materials To Avoid

No incompatible groups noted.

10.6. Hazardous decomposition products

None under normal conditions. During fire, toxic gases (CO, CO₂) are formed.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Acute toxicity

No data available.

Serious eye damage/irritation

May cause irritation.

Skin irritation and corrosive

May cause irritation.

Skin sensitization

May cause sensitisation by skin contact.

Inhalation

High concentrations of dust may irritate throat and respiratory system and cause coughing.

Ingestion

May cause discomfort if swallowed. Gastrointestinal symptoms, including upset stomach.

SECTION 12: ECOLOGICAL INFORMATION

12.1. Toxicity

Ecotoxicity

The product is not classified as environmentally hazardous

12.2. Persistence and degradability

No data available.

12.3. Bioaccumulative potential



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No data available.

12.4. Mobility in soil

Mobility:

Insoluble in water.

12.5. Results of PBT and vPvB assessment

This product does not contain any PBT or vPvB substances.

12.6. Other adverse effects

Should not be released to the environment. May be harmful to the aquatic environment.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Do not allow runoff to sewer, waterway or ground. Dispose of waste and residues in accordance with local authority requirements. Contact specialist disposal companies. Environmental manager must be informed of all major spillages.

SECTION 14: TRANSPORT INFORMATION

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

14.1. UN number

Not applicable.

14.2. UN proper shipping name

Not applicable.

14.3. Transport hazard class(es)

Transport Labels

No transport warning sign required.

14.4. Packing group

Not applicable.

14.5. Environmental hazards

Environmentally Hazardous Substance/Marine Pollutant

No.

14.6. Special precautions for user

Not applicable.

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

SECTION 15: REGULATORY INFORMATION

Not applicable.

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

Approved Code Of Practice

Classification and Labelling of Substances and Preparations Dangerous for Supply.
Safety Data Sheets for Substances and Preparations.

Guidance Notes

Workplace Exposure Limits EH40. CHIP for everyone HSG(108).



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EU Legislation

Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures..

15.2. Chemical Safety Assessment

No chemical safety assessment has been carried out.

SECTION 16: OTHER INFORMATION

Abbreviations and acronyms used in the safety data sheet

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

ADN: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways.

RID: European Agreement concerning the International Carriage of Dangerous Goods by Rail.

IATA: International Air Transport Association.

ICAO-TI: Technical Instructions for the Safe Transport of Dangerous Goods by Air.

IMDG: International Maritime Dangerous Goods.

CAS: Chemical Abstracts Service.

ATE: Acute Toxicity Estimate.

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