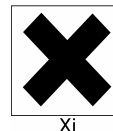


Safety Data Sheet

TECHNI GOLD 25 ES RTU



Safety Data Sheet dated 23/7/2004, version 0

1. IDENTIFICATION OF THE PRODUCT AND THE COMPANY

Trade name: TECHNI GOLD 25 ES RTU

Trade code: TGOLD25ES

Supplier:

TECHNIC FRANCE 15 rue de la Montjoie 93212 St Denis La Plaine

Emergency telephone number of the company and/or of an authorised advisory centre:

TECHNIC FRANCE 15 rue de la Montjoie 93212 St Denis La Plaine

Tel : (33) (1) 49 46 51 00 Fax : (33) (1) 48 20 55 30

2. COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous components within the meaning of EEC directive 67/548 and corresponding classification:

1% - 5% Sodium sulfite
Xn R20/22

1% - 5% ethylenediamine
N.67/548/EEC: 612-006-00-6 CAS: 107-15-3 EINECS: 203-468-6
C R10 R21/22 R34 R42/43

1% - 3% sulphuric acid
N.67/548/EEC: 016-020-00-8 CAS: 7664-93-9 EINECS: 231-639-5
C R35

3. HAZARDS IDENTIFICATION

If brought into contact with the eyes, the product causes irritation that may last for over 24 hours, and if brought into contact with the skin it causes significant inflammation with erythema, scabs, and oedema.

If inhaled, the product may cause sensitisation of the airways, and if brought into contact with the skin it may cause sensitisation of the skin

4. FIRST AID MEASURES

Contact with skin:

Immediately take off all contaminated clothing.

Areas of the body that have - or are only even suspected of having - come into contact with the product must be rinsed immediately with plenty of running water and possibly with soap.

Contact with eyes:

Wash immediately and thoroughly with running water, keeping eyelids raised, for at least 10 minutes. Following this, protect the eyes with sterile gauze or a clean, dry, handkerchief.

OBTAIN A MEDICAL EXAMINATION.

Swallowing:

. SEEK A MEDICAL EXAMINATION IMMEDIATELY and present the safety-data sheet.

A suspension of activated charcoal in water, or liquid paraffin may be administered.

Inhalation:

Ventilate the premises. The patient is to be removed immediately from the contaminated premises to rest in a well ventilated area. OBTAIN MEDICAL ATTENTION.

5. FIRE-FIGHTING MEASURES

Recommended extinguishers:

TGOLD25ES/0

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Water, CO₂, Foam, Chemical powders, according to the materials involved in the fire.
Extinguishers not to be used:
None in particular.
Risks arising from combustion:
Avoid inhaling the fumes.
Protective equipment:
Use protection for the respiratory tract.

6. ACCIDENTAL RELEASE MEASURES

Measures for personal safety:
Use a mask, gloves and protective clothing.
Environmental measures:
Limit leakages with earth or sand.
If the product has escaped into a water course, into the drainage system, or has contaminated the ground or vegetation, notify the competent authorities.
Cleaning methods:
Rapidly recover the product. To do so, wear a mask and protective clothing.
If the product is in a liquid form, stop it from entering the drainage system.
Recover the product for re-use if possible, or for elimination. The product might, where appropriate, be absorbed by inert material.
After the product has been recovered, rinse the area and materials involved with water.

7. HANDLING AND STORAGE

Handling precautions:
Avoid contact and inhalation of the vapours. See, too, paragraph 8 below.
Do not eat or drink while working.
Storage conditions:
Keep the containers well closed.
Instructions as regards storage premises:
Adequately ventilated premises.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Precautionary measures:
Give adequate ventilation to the premises where the product is stored and/or handled.
Respiratory protection:
Use respiratory protection where ventilation is insufficient or exposure is prolonged, e.g. CEN/FFP-2(S) or CEN/FFP-3(S).
Use adequate protective respiratory equipment, e.g. CEN/FFP-2(S) or CEN/FFP-3(S).
Protection for hands:
Use protective gloves that provides comprehensive protection, e.g. P.V.C., neoprene or rubber.
Eye protection:
Safety glasses.
Protection for skin:
Use clothing that provides comprehensive protection to the skin, e.g. cotton, rubber, PVC or viton.
Exposure limit(s) (ACGIH):
None

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance and color: slight yellow liquid

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Odor : none

pH : 6.5 - 7.5

Watersolubility : complete.

10. STABILITY AND REACTIVITY

Conditions to avoid:

Stable under normal conditions.

Substances to avoid:

None in particular.

Hazardous decomposition products:

Unknown

11. TOXICOLOGICAL INFORMATION

The concentration of each substance should be borne in mind in assessing the toxicological effects deriving from the preparation.

Set out below is the toxicological information relating to the main substances in the preparation.

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12. ECOLOGICAL INFORMATION

Adopt sound working practices, so that the product is not released into the environment.

13. DISPOSAL CONSIDERATIONS

Recover if possible. In so doing, comply with the local and national regulations currently in force.

14. TRANSPORT INFORMATION : Not regulated

15. REGULATORY INFORMATION

88/379/EEC (Classification and Labelling):

Symbols:

Xi Irritant

R Phrases:

R36/38 Irritating to eyes and skin.

R42/43 May cause sensitization by inhalation and skin contact.

S Phrases:

S23 Do not breathe gas/fumes/vapour/spray

S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

S24 Avoid contact with skin.

S37 Wear suitable gloves.

Contents:

ethylenediamine

Where applicable, refer to the following regulatory provisions :

Ministerial circulars 46 e 61 (Aromatic amines).

Law 136/83 (Biodegradability of detergents).

Presidential Decree D.P.R. 175/88 (Seveso Directive), Appendices II°, III° e IV°.

Presidential Decree D.P.R. 250/89 (Labelling of detergents).

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16. OTHER INFORMATION

R20/22 Harmful by inhalation and if swallowed.
R10 Flammable.
R21/22 Harmful in contact with skin and if swallowed.
R34 Causes burns.
R42/43 May cause sensitization by inhalation and skin contact.
R35 Causes severe burns.

Main bibliographic sources:

NIOSH - Registry of toxic effects of chemical substances (1983)

I.N.R.S. - Fiche Toxicologique

CESIO - Classification and labelling of anionic, nonionic surfactants (1990)

The information contained herein is based on our state of knowledge at the above-specified date. It refers solely to the product indicated and constitutes no guarantee of particular quality.

It is the duty of the user to ensure that this information is appropriate and complete with respect to the specific use intended.

This MSDS cancels and replaces any preceding release.
