SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

- Trade name: TechniStrip® Ni555
- Article number: STD4028, STD5028

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

Industrial only

Application of the substance / the preparation:

- Semiconductors industry
- Plating industry
- Electronic and microelectronic industry
- PCB industry
- Laboratory
- Water treatment
- Photovoltaic industry
- Resins stripping
- Stripping - Cleaning

1.3 Details of the supplier of the safety data sheet

- Manufacturer/Supplier: Technic
  15, rue de la Montjoie
  93210 LA PLAINE SAINT DENIS
  FRANCE
- Further information obtainable from:
  Sécurité des produits / Chemicals hazards dpt
  contact: fds.technic@technic.fr
- Emergency telephone number:
  +33 1 45 42 59 59 (ORFILA)
  +33 3 85 90 85 50 (Technic - La Plaine Saint Denis)

SECTION 2: Hazards identification

Substance or mixture classification

- Classification according to Regulation (EC) No 1272/2008
  The product is not classified according to the CLP regulation.

- Classification according to Directive 67/548/EEC or Directive 1999/45/EC
  Not applicable.

Information concerning particular hazards for human and environment:

The product does not have to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.

Classification system:

The classification is according to the latest editions of the EU-lists, and extended by company and literature data.

2.2 Label elements

- Labelling according to Regulation (EC) No 1272/2008
  Void
- Hazard pictograms
  Void
- Signal word
  Void
- Hazard statements
  Void
- Additional information:
  Safety data sheet available on request.

2.3 Other hazards

- Results of PBT and vPvB assessment
- PBT: Not applicable.
- vPvB: Not applicable.

SECTION 3: Composition/information on ingredients

3.2 Chemical characterization:

- Description: Mixture: consisting of the following components.

(Contd. on page 2)
**Trade name: TechniStrip® Ni555**

**SECTION 4: First aid measures**

*4.1 Description of first aid measures*

*General information:* No special measures required.

*After inhalation:* Supply fresh air; consult doctor in case of complaints.

*After skin contact:* Generally the product does not irritate the skin.

*After eye contact:* Rinse opened eye for several minutes under running water.

*After swallowing:* If symptoms persist consult doctor.

*4.2 Most important symptoms and effects, both acute and delayed* No further relevant information available.

*4.3 Indication of any immediate medical attention and special treatment needed* No further relevant information available.

**SECTION 5: Firefighting measures**

*5.1 Extinguishing media*

*Suitable extinguishing agents:* CO2, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

*5.2 Special hazards arising from the substance or mixture* No further relevant information available.

*5.3 Advice for firefighters*

*Protective equipment:* Wear fire thermal protection.

**SECTION 6: Accidental release measures**

*6.1 Personal precautions, protective equipment and emergency procedures*

*Wear protective equipment. Keep unprotected persons away.*

*6.2 Environmental precautions:*

*Dilute with plenty of water.*

*Do not allow to enter sewers/ surface or ground water.*

*6.3 Methods and material for containment and cleaning up:*

*Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).*

*6.4 Reference to other sections*

*See Section 7 for information on safe handling.*

*See Section 8 for information on personal protection equipment.*

*See Section 13 for disposal information.*

**SECTION 7: Handling and storage**

*7.1 Precautions for safe handling*

*No special measures required.*

*Wear gloves and safety glasses.*

*Information about fire - and explosion protection:* No special measures required.

*7.2 Conditions for safe storage, including any incompatibilities*

*Storage:*

*Requirements to be met by storerooms and receptacles:* No special requirements.
SECTION 8: Exposure controls/personal protection

- Additional information about design of technical facilities: No further data; see item 7.
- Ingredients with limit values that require monitoring at the workplace:
  - 34590-94-8 (2-methoxymethylethoxy)propanol
    - WEL Long-term value: 308 mg/m³, 50 ppm

- Additional information: The lists valid during the making were used as basis.
- 8.2 Exposure controls
  - Personal protective equipment:
    - General protective and hygienic measures:
      - The usual precautionary measures are to be adhered to when handling chemicals.
    - Respiratory protection: Not required.
  - Protection of hands:
    - The glove material has to be impermeable and resistant to the preparation, according to EN 374
    - Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation
  - Material of gloves
    - The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.
  - Penetration time of glove material
    - The exact breakthrough time has to be found out by the manufacturer of the protective gloves and has to be observed.
  - Eye protection:
    - Tightly sealed goggles according to EN 166

- Risk management measures
  - Avoid exposure - obtain special instructions before use; Use barrier skin cream. Store work clothing separately. Remove soiled or soaked clothing immediately.
  - Respiratory protection according to: CEN 136, 140, 141, 143, 173; eyes protection according to: CEN 166; body protection according to: CEN 340, 465, 466, 497, 943; gloves according to: CEN 374; shoes according to: CEN 344, 345.

SECTION 9: Physical and chemical properties

- 9.1 Information on basic physical and chemical properties
  - General Information
    - Form: Fluid
    - Colour: Colourless
    - Odour: Recognizable
    - Odour threshold: Not determined.
Trade name: TechniStrip® Ni555

- **pH-value**: Not determined.

### Change in condition

- **Melting point/Melting range**: Undetermined.
- **Boiling point/Boiling range**: 190 °C

- **Flash point**: 89 °C

- **Flammability (solid, gaseous)**: Not applicable.

- **Ignition temperature**: 270 °C

- **Decomposition temperature**: Not determined.

- **Self-igniting**: Product is not self-igniting.

- **Danger of explosion**: Product does not present an explosion hazard.

- **Explosion limits**:
  - **Lower**: 1.1 Vol %
  - **Upper**: 14.0 Vol %

- **Vapour pressure at 20 °C**: 0.4 hPa

### Density at 20 °C:

- **Relative density**: Not determined.
- **Vapour density**: Not determined.
- **Evaporation rate**: Not determined.

- **Solubility in / Miscibility with water**: Fully miscible.

- **Partition coefficient (n-octanol/water)**: Not determined.

### Viscosity:

- **Dynamic**: Not determined.
- **Kinematic**: Not determined.

### 9.2 Other information

- No further relevant information available.

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### SECTION 10: Stability and reactivity

- **10.1 Reactivity**

- **10.2 Chemical stability**

- **Thermal decomposition / conditions to be avoided**: No decomposition if used according to specifications.

- **10.3 Possibility of hazardous reactions**: No dangerous reactions known.

- **10.4 Conditions to avoid**: No further relevant information available.

- **10.5 Incompatible materials**: No further relevant information available.

- **10.6 Hazardous decomposition products**: No dangerous decomposition products known.

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### SECTION 11: Toxicological information

- **11.1 Information on toxicological effects**

- **Acute toxicity**

  - **Primary irritant effect**:
    - **on the skin**: No irritant effect.
    - **on the eye**: No irritating effect.

  - **Sensitization**: No sensitizing effects known.

- **Additional toxicological information**:

  The product is not subject to classification according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version.
SECTION 12: Ecological information

- 12.1 Toxicity
  - Aquatic toxicity: No further relevant information available.
- 12.2 Persistence and degradability No further relevant information available.
- 12.3 Bioaccumulative potential No further relevant information available.
- 12.4 Mobility in soil No further relevant information available.
- Additional ecological information:
  - General notes:
    Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water
    Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.
- 12.5 Results of PBT and vPvB assessment
  - PBT: Not applicable.
  - vPvB: Not applicable.
- 12.6 Other adverse effects No further relevant information available.

SECTION 13: Disposal considerations

- 13.1 Waste treatment methods
  - Recommendation Smaller quantities can be disposed of with household waste.
- Uncleaned packaging:
  - Recommendation: Disposal must be made according to official regulations.
  - Recommended cleansing agents: Water, if necessary together with cleansing agents.

SECTION 14: Transport information

- 14.1 UN-Number
  - ADR, ADN, IMDG, IATA Void
- 14.2 UN proper shipping name
  - ADR, ADN, IMDG, IATA Void
- 14.3 Transport hazard class(es)
  - ADR, ADN, IMDG, IATA Void
- 14.4 Packing group
  - ADR, IMDG, IATA Void
- 14.5 Environmental hazards:
  - 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
  - Not applicable.
- UN "Model Regulation": -
SECTION 15: Regulatory information

- 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture
- National regulations:
  - Additional classification according to Decree on Hazardous Materials, Annex II:
    - Can cause cancer if present as respirable dust.
- Waterhazard class: Water hazard class 1 (Self-assessment): slightly hazardous for water.
- 15.2 Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- Relevant phrases
  - H302 Harmful if swallowed.
  - H312 Harmful in contact with skin.
  - R21/22 Harmful in contact with skin and if swallowed.

- Department issuing MSDS: EH&S Department
- Abbreviations and acronyms:
  - ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
  - IMDG: International Maritime Code for Dangerous Goods
  - IATA: International Air Transport Association
  - GHS: Globally Harmonized System of Classification and Labelling of Chemicals
  - EINECS: European Inventory of Existing Commercial Chemical Substances
  - ELINCS: European List of Notified Chemical Substances
  - CAS: Chemical Abstracts Service (division of the American Chemical Society)