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

1.1 Product identifier
- Trade name: OTTOCOLL P 270
- Application of the substance / the mixture: Adhesive

1.3 Details of the supplier of the safety data sheet
- Manufacturer/Supplier:
  Hermann Otto GmbH
  Krankenhausstraße 14
  D-83413 Fridolfing
  Tel.: 0049/(0)8684/908-0
  Fax.: 0049/(0)8684/908-539

1.4 Emergency telephone number: Tel.: 0049- (0) 89- 192 40 (emergency telephone no.)

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture
- Classification according to Regulation (EC) No 1272/2008:
  The product is not classified according to the CLP regulation.

2.2 Label elements
- Hazard pictograms: Void
- Signal word: Void
- Hazard statements: Void
- Additional information:
  Contains mixture of: 5-chloro-2-methyl-4-isothiazolin-3-one and 2-methyl-2H-isothiazol-3-one. May produce an allergic reaction. 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 characterisation: Mixtures
- Description: Adhesive based on aqueous dispersion and rosin ester
- Dangerous components: Void

SECTION 4: First aid measures

4.1 Description of first aid measures
- After inhalation: Supply fresh air; consult doctor in case of complaints.
- After skin contact: Immediately wash with water and soap and rinse thoroughly. If skin irritation continues, consult a doctor.
- After eye contact: Rinse opened eye for several minutes under running water. Then consult a doctor.
- After swallowing: Do not induce vomiting; call for medical help immediately. Show container or label.

(Contd. on page 2)
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
  Formation of toxic gases is possible during heating or in case of fire.
- 5.3 Advice for firefighters
  - Protective equipment: Do not inhale explosion gases or combustion gases.

SECTION 6: Accidental release measures

- 6.1 Personal precautions, protective equipment and emergency procedures
  Ensure adequate ventilation
- 6.2 Environmental precautions: Do not allow to enter sewers/ surface or ground water.
- 6.3 Methods and material for containment and cleaning up:
  Dispose contaminated material as waste according to item 13.
- 6.4 Reference to other sections See Section 8 for information on personal protection equipment.

SECTION 7: Handling and storage

- 7.1 Precautions for safe handling
  Ensure good ventilation/exhaustion at the workplace.
  see item 8: Personal protective equipment
- 7.2 Conditions for safe storage, including any incompatibilities
  - Storage
    Requirements to be met by storerooms and receptacles: Prevent any seepage into the ground.
    Information about storage in one common storage facility: Store away from foodstuffs.
    Further information about storage conditions:
      Store in cool, dry conditions in well sealed receptacles.
      Protect from heat and direct sunlight.

SECTION 8: Exposure controls/personal protection

- Additional information about design of technical facilities: No further data; see Item 7.
- 8.1 Control parameters
  - Ingredients with limit values that require monitoring at the workplace:
  - 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.
    Wash hands before breaks and at the end of work.
    Avoid contact with the eyes and skin.
  - Respiratory protection: Not required.
  - Protection of hands: Protective gloves.
  - 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.
    Recommended glove types: nitrile rubber
    Recommended thickness of the material: ≥ 0.2 mm
    Penetration time of glove material Breakthrough time: > 480 min
  - Eye protection: Safety glasses (Contd. on page 3)
Trade name: OTTOCOLL P 270

- Body protection: Protective work clothing.

SECTION 9: Physical and chemical properties

- 9.1 Information on basic physical and chemical properties
  - General Information
  - Appearance:
    - Form: pasty
    - Colour: According to product specification
  - Odour: Characteristic
  - Odour threshold: Not determined.
  - pH-value: Not determined.
- Change in condition
  - Melting point/freezing point: undetermined
  - Initial boiling point and boiling range: undetermined
- Flash point: Not applicable
- Auto-ignition temperature: Product is not selfigniting.
- Explosive properties: Product does not present an explosion hazard.
- Explosion limits:
  - Lower: not applicable
  - Upper: not applicable
- Oxidising properties: Not determined.
- Vapour pressure: Not determined.
- Vapour density: Not applicable.
- Evaporation rate: Not determined.
- Solubility in / Miscibility with
  - Water: Fully miscible
  - Partition coefficient: n-octanol/water: Not determined.
- Viscosity: Not determined.

SECTION 10: Stability and reactivity

- 10.1 Reactivity: No further relevant information available.
- 10.2 Chemical stability
- Thermal decomposition / conditions to be avoided:
  No decomposition if used according to specifications.
  Avoid strong heating.
- 10.3 Possibility of hazardous reactions: No dangerous reactions known
- 10.6 Hazardous decomposition products: No dangerous decomposition products known

SECTION 11: Toxicological information

- 11.1 Information on toxicological effects
  - Acute toxicity: Based on available data, the classification criteria are not met.
  - Primary irritant effect:
    - Skin corrosion/irritation: Based on available data, the classification criteria are not met.
    - Serious eye damage/irritation: Based on available data, the classification criteria are not met.
    - Respiratory or skin sensitisation: Based on available data, the classification criteria are not met.
    - CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)
    - Germ cell mutagenicity: Based on available data, the classification criteria are not met.
Carcinogenicity Based on available data, the classification criteria are not met.

Reproductive toxicity Based on available data, the classification criteria are not met.

STOT-single exposure Based on available data, the classification criteria are not met.

STOT-repeated exposure Based on available data, the classification criteria are not met.

Aspiration hazard Based on available data, the classification criteria are not met.

Additional ecological information:

General notes:
Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water.
Do not allow product to reach ground water, water course or sewage system.

12.5 Results of PBT and vPvB assessment

PBT: Not applicable.

vPvB: Not applicable.

13.1 Waste treatment methods

Recommendation
Observe local by-laws.
Already cured material can be disposed of with the domestic or commercial waste. Unconsumed material (fluid, paste-like) is to dispose of as hazardous waste.

Uncleaned packaging:

Recommendation:
Empty contaminated packagings thoroughly. They may be recycled after thorough and proper cleaning.
Packagings that may not be cleansed are to be disposed of in the same manner as the product.

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 Marpol and the IBC Code

Not applicable.

Transport/Additional information:

Not dangerous according to the above specifications.

UN "Model Regulation": Void
SECTION 15: Regulatory information

- 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture
  - National regulations
  - Waterhazard class: Water hazard class 1 (Self-assessment): slightly hazardous for water.
  - Details of international registration status:
    Listed on or in accordance with the following inventories:
    - EINECS - Europe: listed
    - AICS - Australia: not listed
    - DSL/NDSL - Canada: not listed
    - IECSC - China: not listed
    - ENCS - Japan: not listed
    - NZIoC - New Zealand: not listed
    - PICCS - Philippines: not listed
    - ECL/KECI - Korea: not listed
    - TSCA - USA: not listed
    - NECI - Taiwan: not listed
  - 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.

- Department issuing SDS: Tel.: 0049- (0)8684- 908- 641
- Contact: Tel.: 0049- (0)8684- 908- 641 ( -460 )
- 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 Harmonised 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)
  PBT: Persistent, Bioaccumulative and Toxic
  vPvB: very Persistent and very Bioaccumulative
- * Data compared to the previous version altered.