1 Identification

- **Product identifier**
- **Trade name:** WAKOL D 3540 Cork Flooring Adhesive
- **Application of the substance / the mixture** Adhesives
- **Details of the supplier of the safety data sheet**
  - **Manufacturer/Supplier:**
    Loba-Wakol, LLC
    521-C Eagleton Downs Dr.
    Pineville, NC 28134, USA
    +1 704 527 5919
  - **Information department:** Product safety department.
  - **Emergency telephone number:**
    24-hour-Emergency-Telephone-Number (GBK Contract ID: 98229): (001) 352 323 3500

2 Hazard(s) identification

- **Classification of the substance or mixture**
  - GHS07
  - Skin Sens. 1 H317 May cause an allergic skin reaction.

- **Label elements**
  - **GHS label elements**

The product is classified and labeled according to the Globally Harmonized System (GHS).

- **Hazard pictograms**
  - GHS07

- **Signal word** Warning

- **Hazard-determining components of labeling:**
  - Zinc bis(diethylthiocarbamate)
  - 1,2-benzisothiazol-3(2H)-one
  - A mixture of: 5-chloro-2-methyl-2H-isothiazol-3-one [EC No 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC No 220-239-6] (3:1)

- **Hazard statements**
  - May cause an allergic skin reaction.

- **Precautionary statements**
  - Avoid breathing dust/fume/gas/mist/vapors/spray
  - Contaminated work clothing must not be allowed out of the workplace.
  - Wear protective gloves.
  - IF ON SKIN: Wash with plenty of water.
  - Specific treatment (see on this label).
  - If skin irritation or rash occurs: Get medical advice/attention.
  - Wash contaminated clothing before reuse.
  - Dispose of contents/container in accordance with local/regional/national/international regulations.

(Contd. on page 2)
Trade name: WAKOL D 3540 Cork Flooring Adhesive

- Classification system:
- NFPA ratings (scale 0 - 4)
  - Health = 0
  - Fire = 0
  - Reactivity = 0
- HMIS-ratings (scale 0 - 4)
  - Health = 0
  - Fire = 0
  - Reactivity = 0
- Other hazards
- Results of PBT and vPvB assessment
  - PBT: Not applicable.
  - vPvB: Not applicable.

3 Composition/information on ingredients

- Chemical characterization: Mixtures
- Description: Adhesive
- Dangerous components:
  9006-04-6 Polyisoprene 25-<50%
  14324-55-1 zinkbis(diethyldithiocarbamate) 0.1-<0.4%
  2634-33-5 1,2-benzisothiazol-3(2H)-one >0-<0.05%
  55965-84-9 a mixture of: 5-chloro-2-methyl-2 H -isothiazol-3-one [EC No 247->0-<0.0015%] 500-7] and 2-methyl-2 H -isothiazol-3-one [EC No 220-239-6] (3:1) >0-<0.05%
  5-chloro-2-methyl-2 H -isothiazol-3-one [EC No 247->0-<0.0015%] 500-7] and 2-methyl-2 H -isothiazol-3-one [EC No 220-239-6] (3:1) >0-<0.05%

4 First-aid measures

- 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: Immediately wash with water and soap and rinse thoroughly.
- After eye contact: Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
- After swallowing: Seek immediate medical advice.
45.2.15

Rinse out mouth and then drink plenty of water.

Information for doctor:

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

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

5 Fire-fighting measures

Extinguishing media

Suitable extinguishing agents:
CO2, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
Use fire fighting measures that suit the environment.

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

Advice for firefighters

Protective equipment: Mouth respiratory protective device.

6 Accidental release measures

Personal precautions, protective equipment and emergency procedures
Ensure adequate ventilation

Environmental precautions:
Do not allow product to reach sewage system or any water course.
Inform respective authorities in case of seepage into water course or sewage system.
Dilute with plenty of water.

Methods and material for containment and cleaning up:
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Dispose contaminated material as waste according to item 13.

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.

7 Handling and storage

Handling:

Precautions for safe handling Use only in well ventilated areas.

Information about protection against explosions and fires: No special measures required.

Conditions for safe storage, including any incompatibilities

Storage:

Requirements to be met by storerooms and receptacles: No special requirements.

Information about storage in one common storage facility: Not required.

Further information about storage conditions: Protect from frost.
8 Exposure controls/personal protection

- **Specific end use(s)**: No further relevant information available.

- **Additional information about design of technical systems**: No further data; see item 7.

- **Control parameters**

- **Components with limit values that require monitoring at the workplace**:
  The following constituent is the only constituent of the product which has a PEL, TLV or other recommended exposure limit.
  At this time, the other constituents have no known exposure limits.

  **9006-04-6 Polyisoprene**
  TLV (USA) Long-term value: 0.0001* mg/m³
  Skin: DSEN, RSEN,* inh. fraction

- **Additional information**: The lists that were valid during the creation were used as basis.

- **Exposure controls**

- **Personal protective equipment**:

- **General protective and hygienic measures**:
  The usual precautionary measures for handling chemicals should be followed.
  Wash hands before breaks and at the end of work.

- **Breathing equipment**: Not necessary if room is well-ventilated.

- **Protection of hands**:
  Preventive skin protection by use of skin-protecting agents is recommended.

- **Material of gloves**
  Nitrile rubber, NBR
  Recommended thickness of the material: ≥ 0.35 mm
  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 cannot 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

- **Body protection**: Protective work clothing
## 9 Physical and chemical properties

- **Information on basic physical and chemical properties**
  - **General Information**
    - **Appearance:**
      - Form: Pasty
      - Color: White
    - **Odor:** Characteristic
    - **Odor threshold:** Not determined.
    - **pH-value at 20°C (68 °F):** 7,9 (ISO 976)
  - **Change in condition**
    - **Melting point/Melting range:** Undetermined.
    - **Boiling point/Boiling range:** 100°C (212 °F)
    - **Flash point:** Not applicable.
    - **Flammability (solid, gaseous):** Not applicable.
    - **Ignition temperature:**
      - **Decomposition temperature:** Not determined.
    - **Auto igniting:** Product is not selfigniting.
    - **Danger of explosion:** Product does not present an explosion hazard.
    - **Explosion limits:**
      - **Lower:** Not determined.
      - **Upper:** Not determined.
    - **Vapor pressure at 20°C (68 °F):** 23hPa (17.3 mm Hg)
    - **Density at 20°C (68 °F):** 1,1g/cm³ (9,1795 lbs/gal) (EN ISO 2811-1)
    - **Relative density** Not determined.
    - **Vapor density** Not determined.
    - **Evaporation rate** Not determined.
  - **Solubility in / Miscibility with**
    - **Water:** Fully miscible.
  - **Partition coefficient (n-octanol/water):** Not determined.
  - **Viscosity:**
    - **Dynamic at 20°C (68 °F):** 23000mPas (ISO 2555)
    - **Kinematic:** Not determined.
  - **Solvent content:**
    - **Organic solvents:** 0,0%
    - **Water:** 51,6%
    - **VOC content:** 0,0%
    - **Solids content:** 48,4% (DIN EN 827.8.2)
### 10 Stability and reactivity

- **Reactivity**: No further relevant information available.
- **Chemical stability**
  - **Thermal decomposition / conditions to be avoided**: No decomposition if used according to specifications.
- **Possibility of hazardous reactions**: No dangerous reactions known.
- **Conditions to avoid**: No further relevant information available.
- **Incompatible materials**: No further relevant information available.
- **Hazardous decomposition products**: No dangerous decomposition products known.

### 11 Toxicological information

- **Information on toxicological effects**
  - **Acute toxicity**:
    - **LD/LC50 values that are relevant for classification**:
      - 14324-55-1 zinkbis(diethyldithiocarbamate)
        - Oral LD50 2280 mg/kg (rat)
        - Dermal LD50 >2000 mg/kg (rat)
  - **Primary irritant effect**:
    - **on the skin**: Based on available data, the classification criteria are not met.
    - **on the eye**: Based on available data, the classification criteria are not met.
  - **Sensitization**: Based on available data, the classification criteria are not met.
  - **Additional toxicological information**:
    The product is not subject to classification according to internally approved calculation methods for preparations:
    When used and handled according to specifications, the product does not have any harmful effects according to our experience and the information provided to us.

- **Carcinogenic categories**
  - **IARC (International Agency for Research on Cancer)**
    None of the ingredients is listed.
  - **NTP (National Toxicology Program)**
    None of the ingredients is listed.
  - **OSHA-Ca (Occupational Safety & Health Administration)**
    None of the ingredients is listed.
12 Ecological information

- Toxicity
  - Aquatic toxicity:
    - 14324-55-1 zincbis(diethyldithiocarbamate)
    - LC50/96h 0.23 mg/l (Oncorhynchus mykiss) (OECD RL 203)
    - EC50/48h 0.24 mg/l (Daphnia magna)
    - EC50/96h 1.1 mg/l (Chlorella vulgaris)
    - IC50/96h 1.1 mg/l (Chlorella Pyrenoidosa)
- Persistence and degradability No further relevant information available.
- Behavior in environmental systems:
- Bioaccumulative potential No further relevant information available.
- Mobility in soil No further relevant information available.
- Ecotoxicological effects:
  - Remark: Harmful to fish
  - Additional ecological information:
  - General notes:
    - Water hazard class 2 (Self-assessment): hazardous for water
    - Do not allow product to reach ground water, water course or sewage system.
    - Danger to drinking water if even small quantities leak into the ground.
    - Harmful to aquatic organisms
- Results of PBT and vPvB assessment
  - PBT: Not applicable.
  - vPvB: Not applicable.
- Other adverse effects No further relevant information available.

13 Disposal considerations

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

14 Transport information

- UN-Number
  - DOT, ADR, ADN, IMDG, IATA Void
- UN proper shipping name
  - DOT, ADR, ADN, IMDG, IATA Void
- Transport hazard class(es)
  - DOT, ADR, ADN, IMDG, IATA Void
- Class
  - Void
Trade name: WAKOL D 3540 Cork Flooring Adhesive

15 Regulatory information

- Safety, health and environmental regulations/legislation specific for the substance or mixture
  - Sara
    - Section 355 (extremely hazardous substances):
      14324-55-1 zinkbis(diethyldithiocarbamate)
    - Section 313 (Specific toxic chemical listings):
      None of the ingredients is listed.
  - TSCA (Toxic Substances Control Act):
    All ingredients are listed or are not required to be listed on the TSCA inventory.
  - Proposition 65
    - Chemicals known to cause cancer:
      None of the ingredients is listed.
    - Chemicals known to cause reproductive toxicity for females:
      None of the ingredients is listed.
    - Chemicals known to cause reproductive toxicity for males:
      None of the ingredients is listed.
    - Chemicals known to cause developmental toxicity:
      None of the ingredients is listed.
  - GHS label elements
    The product is classified and labeled according to the Globally Harmonized System (GHS).
Trade name: WAKOL D 3540 Cork Flooring Adhesive

- **Hazard pictograms**

  GHS07

- **Signal word** Warning

- **Hazard-determining components of labeling:**
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- **Hazard statements**
  - May cause an allergic skin reaction.

- **Precautionary statements**
  - Avoid breathing dust/fume/gas/mist/vapors/spray
  - Contaminated work clothing must not be allowed out of the workplace.
  - Wear protective gloves.
  - IF ON SKIN: Wash with plenty of water.
  - Specific treatment (see on this label).
  - If skin irritation or rash occurs: Get medical advice/attention.
  - Wash contaminated clothing before reuse.
  - Dispose of contents/container in accordance with local/regional/national/international regulations.

- **National regulations:**
  - VOC:
    - VOC (USA): 0.0 g/l / 0.00 lb/gl
  - **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

### 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**
  - H301 Toxic if swallowed.
  - H302 Harmful if swallowed.
  - H311 Toxic in contact with skin.
  - H314 Causes severe skin burns and eye damage.
  - H315 Causes skin irritation.
  - H317 May cause an allergic skin reaction.
  - H318 Causes serious eye damage.
  - H319 Causes serious eye irritation.
  - H330 Fatal if inhaled.
  - H331 Toxic if inhaled.
  - H335 May cause respiratory irritation.
· Date of preparation / last revision: 08/16/2017 / 4

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
- DOT: US Department of Transportation
- IATA: International Air Transport Association
- 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)
- NFPA: National Fire Protection Association (USA)
- HMIS: Hazardous Materials Identification System (USA)
- VOC: Volatile Organic Compounds (USA, EU)
- MAL-Code: Måleteknisk Arbejdshygienisk Luftbehov (Regulation for the labeling concerning inhalation hazards, Denmark)
- LC50: Lethal concentration, 50 percent
- LD50: Lethal dose, 50 percent
- PBT: Persistent, Bioaccumulative and Toxic
- vPvB: very Persistent and very Bioaccumulative
- OSHA: Occupational Safety & Health
- TLV: Threshold Limit Value
- PEL: Permissible Exposure Limit
- REL: Recommended Exposure Limit
- Acute Tox. 3: Acute toxicity – Category 3
- Acute Tox. 4: Acute toxicity – Category 4
- Acute Tox. 2: Acute toxicity – Category 2
- Skin Corr. 1B: Skin corrosion/irritation – Category 1B
- Skin Irrit. 2: Skin corrosion/irritation – Category 2
- Eye Dam. 1: Serious eye damage/eye irritation – Category 1
- Eye Irrit. 2A: Serious eye damage/eye irritation – Category 2A
- Skin Sens. 1: Skin sensitisation – Category 1
- STOT SE 3: Specific target organ toxicity (single exposure) – Category 3