

# Safety Data Sheet

acc. to OSHA HCS

Printing date 10/24/2023

Reviewed on 10/24/2023

## 1 Identification

- **Product identifier**
- **Trade name:** *WAKOL MS 260 Wood Flooring Adhesive, firm-flexible*
- **Application of the substance / the mixture** *Adhesives*
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**  
*Loba-Wakol, LLC  
2732 Hwy 74 West  
Wadesboro, NC 28170, USA  
info@loba-wakol.com  
+1 704 527 5919*
- **Information department:** *Product safety department.*
- **Emergency telephone number:**  
*Emergency CONTACT (24-Hour-Number)  
GBK/Infotrac ID 98229: (USA domestic) 1 800 535 5053 or  
International (001) 352 323 3500*

## 2 Hazard(s) identification

- **Classification of the substance or mixture**



GHS08 Health hazard

Toxic to Reproduction 2 H361 Suspected of damaging fertility or the unborn child.

- **Label elements**
- **GHS label elements**  
*The product is classified and labeled according to the Globally Harmonized System (GHS).*
- **Hazard pictograms**



GHS08

- **Signal word** *Warning*
- **Hazard-determining components of labeling:**  
*Bis(2,2,6,6-tetramethyl-4-piperidyl)sebacate*
- **Hazard statements**  
*Suspected of damaging fertility or the unborn child.*
- **Precautionary statements**  
*Obtain special instructions before use.  
Do not handle until all safety precautions have been read and understood.  
Wear protective gloves/protective clothing/eye protection/face protection.  
IF exposed or concerned: Get medical advice/attention.  
Dispose of contents/container in accordance with local/regional/national/international regulations.*
- **Classification system:**
- **NFPA ratings (scale 0 - 4)**



Health = 0  
Fire = 1  
Reactivity = 0

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· **HMIS-ratings (scale 0 - 4)**

|            |   |                |
|------------|---|----------------|
| HEALTH     | 0 | Health = 0     |
| FIRE       | 1 | Fire = 1       |
| REACTIVITY | 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:**

|                                                                              |             |
|------------------------------------------------------------------------------|-------------|
| 52829-07-9 Bis(2,2,6,6-tetramethyl-4-piperidyl)sebacate                      | >0.1–≤0.25% |
| ☠ Toxic to Reproduction 2, H361; ☠ Eye Damage 1, H318                        |             |
| 13822-56-5 3-(trimethoxysilyl)propylamine                                    | >0.1–≤0.25% |
| ☠ Eye Damage 1, H318; ☠ Skin Irritation 2, H315; ☠ Flammable Liquids 4, H227 |             |

### 4 First-aid measures

- **Description of first aid measures**
- **After inhalation:** Supply fresh air; consult doctor in case of complaints.
- **After skin contact:** Clean with water and soap. If possible, also wash with polyethylene glycol 400.
- **After eye contact:**  
Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
- **After swallowing:** Do not induce vomiting; immediately call for medical help.
- **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:**  
CO<sub>2</sub>, 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

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- **Environmental precautions:** Do not allow product to reach sewage system or any water course.
- **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 section 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.

· **PAC-1:**

471-34-1 calcium carbonate: 45 mg/m<sup>3</sup>

25322-69-4 Propylene Glycol: 30 mg/m<sup>3</sup>

13822-56-5 3-(trimethoxysilyl)propylamine: 30 mg/m<sup>3</sup>

20344-49-4 iron hydroxide oxide: 24 mg/m<sup>3</sup>

· **PAC-2:**

471-34-1 calcium carbonate: 210 mg/m<sup>3</sup>

25322-69-4 Propylene Glycol: 330 mg/m<sup>3</sup>

13822-56-5 3-(trimethoxysilyl)propylamine: 330 mg/m<sup>3</sup>

20344-49-4 iron hydroxide oxide: 260 mg/m<sup>3</sup>

· **PAC-3:**

471-34-1 calcium carbonate: 1,300 mg/m<sup>3</sup>

25322-69-4 Propylene Glycol: 2,000 mg/m<sup>3</sup>

13822-56-5 3-(trimethoxysilyl)propylamine: 2,000 mg/m<sup>3</sup>

20344-49-4 iron hydroxide oxide: 1,600 mg/m<sup>3</sup>

### 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 humidity and water.  
Store in cool, dry conditions in well sealed receptacles.
- **Specific end use(s)** No further relevant information available.

### 8 Exposure controls/personal protection

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

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- **Control parameters**
- **Components with limit values that require monitoring at the workplace:**  
The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.
- **Additional information:**  
The lists that were valid during the creation were used as basis.  
See Section 10.
- **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:**



Protective gloves

Preventive skin protection by use of skin-protecting agents is recommended.

- **Material of gloves**  
Nitrile rubber, NBR  
Recommended thickness of the material:  $\geq 0.35$  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 can not be calculated in advance and has therefore to be checked prior to the application.
- **Penetration time of glove material**  
The exact break through 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:**

|                        |                 |
|------------------------|-----------------|
| <b>Form:</b>           | Pasty           |
| <b>Color:</b>          | Light brown     |
| <b>Odor:</b>           | Odorless        |
| <b>Odor threshold:</b> | Not determined. |
| <b>pH-value:</b>       | Not determined. |
- **Change in condition**

|                                     |               |
|-------------------------------------|---------------|
| <b>Melting point/Melting range:</b> | Undetermined. |
|-------------------------------------|---------------|

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- Boiling point/Boiling range:** Undetermined.
- **Flash point:** >151 °C (>303.8 °F)
- **Flammability (solid, gaseous):** Not applicable.
- **Auto igniting:** 375 °C (707 °F)
- **Decomposition temperature:** Not determined.
- **Ignition temperature:** Product is not selfigniting.
- **Danger of explosion:** Product does not present an explosion hazard.
- **Explosion limits:**
  - Lower:** Not determined.
  - Upper:** Not determined.
- **Vapor pressure:** Not determined.
- **Density at 20 °C (68 °F):** 1.8 g/cm<sup>3</sup> (15.021 lbs/gal) (EN ISO 2811-1)
- **Relative density** Not determined.
- **Vapor density** Not determined.
- **Evaporation rate** Not determined.
- **Solubility in / Miscibility with Water:** Not miscible or difficult to mix.
- **Partition coefficient (n-octanol/water):** Not determined.
- **Viscosity:**
  - Dynamic at 20 °C (68 °F):** 60.000 mPas (ISO 2555)
  - Kinematic:** Not determined.
- **Organic solvents:** 0.1 %
- **VOC content:** 0.1 %
- **Solids content:** 98.8 % (DIN EN 827.8.2)
- **Other information** No further relevant information available.

**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** Reacts with strong acids and oxidizing agents.
- **Conditions to avoid** No further relevant information available.
- **Incompatible materials:** No further relevant information available.
- **Hazardous decomposition products:** No dangerous decomposition products known.
- **Additional information:** Product releases low quantities of methanol during appropriated application.

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**11 Toxicological information**

- **Information on toxicological effects**
- **Acute toxicity:**
- **LD/LC50 values that are relevant for classification:**  
**52829-07-9 Bis(2,2,6,6-tetramethyl-4-piperidyl)sebacate**  
Oral LD50 3,700 mg/kg (rat)  
Dermal LD50 3,170 mg/kg (rat)
- **Primary irritant effect:**
- **on the eye:** Based on available data, the classification criteria are not met.
- **Additional toxicological information:**  
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:**  
**52829-07-9 Bis(2,2,6,6-tetramethyl-4-piperidyl)sebacate**  
NOEC/21d (static) 0.23 mg/l (Daphnia magna) (OECD RL 211)  
LC50/96h 4.4 mg/l (Leuciscus macrochirus) (OECD RL 203)  
EC50/48h 8.6 mg/l (Daphnia magna) (OECD RL 202 T1)  
EC50/3h >100 mg/l (sludge) (OECD RL 209)  
EC50/72h 0.705 mg/l (Scenedesmus subspicatus) (RL 92/69/EWG, C.3)
- **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.
- **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.
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **Other adverse effects** No further relevant information available.

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**13 Disposal considerations**

- **Waste treatment methods**
- **Recommendation:**  
Must not be disposed of together with household garbage. Do not allow product to reach sewage system. Must be specially treated adhering to official regulations.
- **Uncleaned packagings:**
- **Recommendation:** Disposal must be made according to official regulations.

**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**
- **Class**                                                      Void
- **Packing group**
- **DOT, ADR, IMDG, IATA**                              Void
- **Environmental hazards:**
- **Marine pollutant:**                                      No
- **Special precautions for user**                      Not applicable.
- **Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code**                      Not applicable.
- **Transport/Additional information:**                      Not dangerous according to the above specifications.
- **DOT**
- **Remarks:**                                              not regulated

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- **ADR**
- **Remarks:**                                              not regulated

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- **IMDG**
- **Remarks:**                                              not regulated

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- **IATA**
- **Remarks:**                                              not regulated
- **UN "Model Regulation":**                              Void

**15 Regulatory information**

- **Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **Sara**
- **Section 355 (extremely hazardous substances):**  
None of the ingredient is listed.
- **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.

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· **Hazardous Air Pollutants**

None of the ingredients is listed.

· **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.

· **New Jersey Right-to-Know List:**

1317-65-3 limestone

· **New Jersey Special Hazardous Substance List:**

None of the ingredients is listed.

· **Pennsylvania Right-to-Know List:**

1317-65-3 limestone

· **Pennsylvania Special Hazardous Substance List:**

None of the ingredients is listed.

· **GHS label elements**

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

· **Hazard pictograms**



GHS08

· **Signal word** Warning

· **Hazard-determining components of labeling:**

Bis(2,2,6,6-tetramethyl-4-piperidyl)sebacate

· **Hazard statements**

Suspected of damaging fertility or the unborn child.

· **Precautionary statements**

Obtain special instructions before use.

Do not handle until all safety precautions have been read and understood.

Wear protective gloves/protective clothing/eye protection/face protection.

IF exposed or concerned: Get medical advice/attention.

Dispose of contents/container in accordance with local/regional/national/international regulations.

· **National regulations:**

· **VOC:**

· **VOC (EU)** 1.6 g/l

· **VOC (USA):** 1.6 g/l / 0.01 lb/gal

· **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

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### 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**

H227 Combustible liquid.

H315 Causes skin irritation.

H318 Causes serious eye damage.

H361 Suspected of damaging fertility or the unborn child.

· **Contact:**

· **Date of preparation / last revision** 10/24/2023

· **Abbreviations and acronyms:**

ADR: Accord relatif au transport international 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 Arbejdshygiejnisk Lufibehov (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

Flammable Liquids 4: Flammable liquids – Category 4

Skin Irritation 2: Skin corrosion/irritation – Category 2

Eye Damage 1: Serious eye damage/eye irritation – Category 1

Toxic to Reproduction 2: Reproductive toxicity – Category 2

US