

## Safety Data Sheet

### MAPEFLEX JOINT FILLER PO 95-100 / A NA

Safety Data Sheet dated: 02/13/2024 - version 2

Date of first edition: 07/09/2021



## 1. Identification

### Product identifier

Mixture identification:

Trade name: MAPEFLEX JOINT FILLER PO 95-100 / A NA

Trade code: 9019108

### Recommended use and restrictions on use

Recommended use: Sealant

Restrictions on use: Not available

### Supplier's details

Company: MAPEI INC. (Canada)

2900 Francis-Hughes Avenue

H7L 3J5 - Laval - QC - CAN

Phone: 1-450-662-1212

Responsible: RDProductSafety@mapei.com

### Emergency phone number

Emergency Number (USA/Canada) CHEMTREC 1(800) 424-9300 / 1(703) 527-3887

Emergency Transport CANUTEC (Canada) 1-613-996-6666

## 2. Hazard identification



### Classification of the product

Eye irritation, Category 2A

Causes serious eye irritation.

Skin Sensitization, Category 1

May cause an allergic skin reaction.

Specific target organ toxicity following repeated exposure, Category 2

May cause damage to organs through prolonged or repeated exposure if inhaled, in contact with skin and if swallowed.

Acute (short-term) aquatic hazard - Category 2

Toxic to aquatic life

Chronic (long-term) aquatic hazard - Category 1

Very toxic to aquatic life with long lasting effects.

### Label elements

#### Hazard pictograms and Signal Word



Warning

### Hazard statements

H317 May cause an allergic skin reaction.

H319 Causes serious eye irritation.

H373 May cause damage to organs through prolonged or repeated exposure if inhaled, in contact with skin and if swallowed.

H401 Toxic to aquatic life

H410 Very toxic to aquatic life with long lasting effects.

### Precautionary statements

P260 Do not breathe mist/vapours/spray.

P264 Wash skin thoroughly after handling.

P273 Avoid release to the environment.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P302+P352 IF ON SKIN: Wash with plenty of water.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P314 Get medical advice/attention if you feel unwell.

P333+P313 If skin irritation or rash occurs: Get medical advice/attention.  
P337+P313 If eye irritation persists: Get medical advice/attention.  
P362+P364 Take off contaminated clothing and wash it before reuse.  
P391 Collect spillage.  
P501 Dispose of contents/container in accordance with applicable regulations.

**Other hazards**

None

**Ingredient(s) with unknown acute toxicity**

None

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**3. Composition/information on ingredients**

**Substances**

Not Relevant

**Mixtures**

Hazardous components within the meaning of WHMIS 2015 and related classification:

**List of components**

| Qty     | Name                                  | Ident. Numb.   | Classification   | Registration Number   |
|---------|---------------------------------------|--|--|-----------------------|
| 25-50 % | 4,4'-methylenebis[N-sec-butylaniline] | CAS:5285-60-9<br>EC:226-122-6                        | Acute Tox. 4, H302; STOT RE 2, H373; Aquatic Chronic 1, H410; Skin Sens. 1, H317   | 01-2120807289-49-XXXX |
| 10-20 % | diethylmethylbenzenediamine           | CAS:68479-98-1<br>EC:270-877-4<br>Index:612-130-00-0 | STOT RE 2, H373; Eye Irrit. 2A, H319; Acute Tox. 4, H302; Acute Tox. 4, H312; Aquatic Acute 1, H400; Aquatic Chronic 1, H410 | 01-2119486805-25-XXXX |

The actual concentration of the components listed above is withheld as a trade secret.

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**4. First-aid measures**

**Description of necessary first-aid measures**

In case of skin contact:

- Immediately take off all contaminated clothing.
- Remove contaminated clothing immediately and dispose of safely.
- After contact with skin, wash immediately with soap and plenty of water.
- If skin irritation or rash occurs: Get medical advice/attention.

In case of eyes contact:

- After contact with the eyes, rinse with water with the eyelids open for a sufficient length of time, then consult an ophthalmologist immediately.
- Protect uninjured eye.
- Remove contact lenses, if present and easy to do. Continue rinsing.

In case of Ingestion:

- Do not induce vomiting, get medical attention showing the SDS and the hazard label.

In case of Inhalation:

- If breathing is irregular or stopped, administer artificial respiration.
- In case of inhalation, consult a doctor immediately and show him packing or label.

**Most important symptoms/effects, acute and delayed**

Eye irritation  
Eye damages

**Indication of immediate medical attention and special treatment needed, if necessary**

In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).

Treatment:

(see paragraph 4.1)

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**5. Fire-fighting measures**

**Suitable and unsuitable extinguishing media**

Suitable extinguishing media:

- Water.
- Carbon dioxide (CO2).

Unsuitable extinguishing media:

None in particular.

### Specific hazards arising from the hazardous product

Do not inhale explosion and combustion gases.  
Burning produces heavy smoke.  
Hazardous combustion products: Not available  
Explosive properties: Not Relevant  
Oxidizing properties: Not Relevant

### Special protective equipment and precautions for fire-fighters

Use suitable breathing apparatus.  
Collect contaminated fire extinguishing water separately. This must not be discharged into drains.  
Move undamaged containers from immediate hazard area if it can be done safely.

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## 6. Accidental release measures

### Personal precautions, protective equipment and emergency procedures

Wear personal protection equipment.  
Wear breathing apparatus if exposed to vapours/dusts/aerosols.  
Provide adequate ventilation.  
Use appropriate respiratory protection.  
Do not allow to enter into soil/subsoil. Do not allow to enter into surface water or drains.  
Limit leakages with earth or sand.

### Methods and material for containment and cleaning up

Suitable material for taking up: absorbing material, organic, sand  
Retain contaminated washing water and dispose it.

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## 7. Handling and storage

### Precautions for safe handling

Avoid contact with skin and eyes, inhalation of vapours and mists.  
Use localized ventilation system.  
Don't use empty container before they have been cleaned.  
Before making transfer operations, assure that there aren't any incompatible material residuals in the containers.  
Contaminated clothing should be changed before entering eating areas.  
Do not eat or drink while working.  
Wash skin thoroughly after handling.  
See also section 8 for recommended protective equipment.

### Conditions for safe storage, including any incompatibilities

Store cool and dry.  
Keep away from food, drink and feed.

Incompatible materials:

None in particular.

Instructions as regards storage premises:

Adequately ventilated premises.

Storage temperature: Not available

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## 8. Exposure controls/personal protection

### Control parameters

### Predicted No Effect Concentration (PNEC) values

diethylmethylbenzenedia mine  
CAS: 68479-98-1

Exposure Route: Intermittent release; PNEC Limit: 0.005 mg/l

Exposure Route: Microorganisms in sewage treatments; PNEC Limit: 17 mg/l

Exposure Route: Freshwater sediments; PNEC Limit: 0.029 mg/kg

Exposure Route: Marine water sediments; PNEC Limit: 0.003 mg/kg

Exposure Route: Soil; PNEC Limit: 0.0056 mg/kg

Exposure Route: Oral; PNEC Limit: 2 mg/kg

### Derived No Effect Level (DNEL) values

diethylmethylbenzenedia mine  
CAS: 68479-98-1

Exposure Route: Human Inhalation; Exposure Frequency: Long Term, systemic effects  
Worker Industry: 0.13 mg/m<sup>3</sup>; Consumer: 0.1 mg/m<sup>3</sup>

Exposure Route: Human Dermal; Exposure Frequency: Long Term, systemic effects  
Worker Industry: 1 mg/kg; Consumer: 1 mg/kg

Exposure Route: Human Oral; Exposure Frequency: Long Term, systemic effects  
Consumer: 0.1 mg/kg

### Appropriate engineering controls

Not available

### Individual protection measures, such as personal protective equipment (PPE)

Eye protection:

Use close fitting safety goggles, don't use eye lens.

Protection for skin:

Use clothing that provides comprehensive protection to the skin, e.g. cotton, rubber, PVC or viton.

Protection for hands:

Suitable materials for safety gloves; 29 CFR 1910.138 - ANSI/ISEA 105:

Polychloroprene - CR: thickness  $\geq 0,5\text{mm}$ ; breakthrough time  $\geq 480\text{min}$ .

Nitrile rubber - NBR: thickness  $\geq 0,35\text{mm}$ ; breakthrough time  $\geq 480\text{min}$ .

Butyl rubber - IIR: thickness  $\geq 0,5\text{mm}$ ; breakthrough time  $\geq 480\text{min}$ .

Fluorinated rubber - FKM: thickness  $\geq 0,4\text{mm}$ ; breakthrough time  $\geq 480\text{min}$ .

Use impervious gloves that provides comprehensive protection, e.g. P.V.C., neoprene or rubber.

Respiratory protection:

Respiratory protection must be used where exposure levels exceed workplace exposure limits. Refer to 29 CFR 1910.134 - CSA Z94.4 for information on selection and use of appropriate respiratory protection equipment.

Use adequate protective respiratory equipment.

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## 9. Physical and chemical properties

### Information on basic physical and chemical properties

Physical state: Liquid

Appearance and colour: liquid Grey

Odour: hydrocarbons like

Odour threshold: Not Relevant

pH: Not Relevant

Melting point / freezing point: Not Relevant

Initial boiling point and boiling range: Not Relevant

Flash point: 100 °C (212 °F)

Evaporation rate: Not Relevant

Upper/lower flammability or explosive limits: Not Relevant

Vapour density: Not Relevant

Vapour pressure: Not Relevant

Relative density: 0.98 g/cm<sup>3</sup>

Solubility in water: Insoluble

Solubility in oil: soluble

Partition coefficient (n-octanol/water): Not Relevant

Auto-ignition temperature: Not Relevant

Decomposition temperature: Not Relevant

Viscosity: Not Relevant

Explosive properties: Not Relevant

Oxidizing properties: Not Relevant

Solid/gas flammability: Not Relevant

### Other information

Substance Groups relevant properties Not Relevant

Miscibility: Not Relevant

Fat Solubility: Not Relevant

Conductivity: Not Relevant

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## 10. Stability and reactivity

### Reactivity

Stable under normal conditions

### Chemical stability

Data not available.

### Possibility of hazardous reactions

It may catch fire on contact with oxidising mineral acids.

### Conditions to avoid

Stable under normal conditions.

**Incompatible materials**

None in particular.

**Hazardous decomposition products**

None.

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**11. Toxicological information**

**Information on toxicological effects**

Likely routes of exposure:

Skin contact, skin absorption, eye contact, inhalation and ingestion.

**Toxicological Information of the Preparation**

|                                      |   |
|--------------------------------------|---|
| a) acute toxicity                    | Not classified<br>Based on available data, the classification criteria are not met                      |
| b) skin corrosion/irritation         | Not classified<br>Based on available data, the classification criteria are not met                      |
| c) serious eye damage/irritation     | The product is classified: Eye irritation, Category 2A(H319)  |
| d) respiratory or skin sensitisation | The product is classified: Skin Sensitization, Category 1(H317)   |
| e) germ cell mutagenicity            | Not classified<br>Based on available data, the classification criteria are not met                      |
| f) carcinogenicity                   | Not classified<br>Based on available data, the classification criteria are not met                      |
| g) reproductive toxicity             | Not classified<br>Based on available data, the classification criteria are not met                      |
| h) STOT-single exposure              | Not classified<br>Based on available data, the classification criteria are not met                      |
| i) STOT-repeated exposure            | The product is classified: Specific target organ toxicity following repeated exposure, Category 2(H373) |
| j) aspiration hazard                 | Not classified<br>Based on available data, the classification criteria are not met                      |

**Toxicological information on main components of the mixture:**

|                                       |                   |  |
|---------------------------------------|-------------------|--|
| 4,4'-methylenebis[N-sec-butylaniline] | a) acute toxicity | LD50 Oral Rat = 1380 mg/kg<br>LD50 Skin Rat > 2000 mg/kg 24h |
| diethylmethylbenzenedia mine          | a) acute toxicity | LD50 Oral Rat = 738 mg/kg                                    |

**Substance(s) listed on the IARC Monographs:**

None

**Substance(s) listed as OSHA Carcinogen(s):**

None

**Substance(s) listed as NIOSH Carcinogen(s):**

None

**Substance(s) listed on the NTP report on Carcinogens:**

None

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**12. Ecological information**

**Ecotoxicity**

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

**List of Eco-Toxicological properties of the product**

The product is classified: Acute (short-term) aquatic hazard - Category 2(H401), Chronic (long-term) aquatic hazard - Category 1(H410)

**List of Eco-Toxicological properties of the components**

| Component                             | Ident. Numb.  | Ecotox Data   |
|---------------------------------------|---|---|
| 4,4'-methylenebis[N-sec-butylaniline] | CAS: 5285-60-9<br>- EINECS: 226-122-6                           | a) Aquatic acute toxicity : LC50 Fish > 0.61 mg/L 96h ECHA  |
| diethylmethylbenzenediamine           | CAS: 68479-98-1<br>- EINECS: 270-877-4<br>- INDEX: 612-130-00-0 | a) Aquatic acute toxicity : EC50 Daphnia = 0.21 mg/L 48h ECHA<br>a) Aquatic acute toxicity : LC50 Fish = 200 mg/L 48h<br>a) Aquatic acute toxicity : EC50 Daphnia = 0.5 mg/L 48h<br>a) Aquatic acute toxicity : EC50 Algae = 104 mg/L 72h |

### Persistence and degradability

| Component                   | Persitence/Degradability: |
|-----------------------------|---------------------------|
| diethylmethylbenzenediamine | Non-readily biodegradable |

### Bioaccumulative potential

| Component                   | Bioaccumulation     | Test                          | Value |
|-----------------------------|---------------------|-------------------------------|-------|
| diethylmethylbenzenediamine | Not bioaccumulative | BCF - Bioconcentration factor | 2.750 |

### Mobility in soil

N.A.

### Other adverse effects

N.A.

## 13. Disposal considerations

### Safe handling and methods for disposal

The generation of waste should be avoided or minimized wherever possible. Recover if possible.

#### Methods of disposal:

Disposal of this product, solutions, packaging and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements.

Dispose of surplus and nonrecyclable products via a licensed waste disposal contractor.

Do not dispose of waste into sewers.

#### Disposal considerations:

Do not allow to enter drains or watercourses.

Dispose of product according to all federal, state and local applicable regulations.

If this product is mixed with other wastes, the original waste product code may no longer apply and the appropriate code should be assigned.

Dispose of containers contaminated by the product in accordance with local or national legal provisions. For further information, contact your local waste authority.

#### Special precautions:

This material and its container must be disposed of in a safe way. Care should be taken when handling untreated empty containers.

Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

Empty containers or liners may retain some product residues. Do not re-use empty containers.

## 14. Transport information

### UN number

TDG-UN number: UN3082

ADR-UN number: 3082

DOT-UN Number: UN3082

IATA-Un number: 3082

IMDG-Un number: 3082

### UN proper shipping name

TDG-Shipping Name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (MDBA - diethylmethylbenzenediamine)

ADR-Shipping Name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (MDBA - diethylmethylbenzenediamine)

DOT-Proper Shipping Name: Environmentally hazardous substance, liquid, n.o.s. (MDBA - diethylmethylbenzenediamine)

IATA-Technical name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (MDBA - diethylmethylbenzenediamine)

IMDG-Technical name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (MDBA - diethylmethylbenzenediamine)

### Transport hazard class(es)

TDG-Class: 9

ADR-Class: 9  
DOT-Hazard Class: 9  
IATA-Class: 9  
IMDG-Class: 9

**Packing group**

TDG-Packing Group: III  
ADR-Packing Group: III  
DOT Packing Group: III  
IATA-Packing group: III  
IMDG-Packing group: III

**Environmental hazards**

Marine pollutant: Yes  
Environmental Pollutant: Not Applicable  
DOT-RQ: No

**Transport in bulk (according to Annex II of MARPOL 73/78 and the IBC Code)**

Not Applicable

**Special precautions in connection with transport or conveyance**

TDG:

TDG Special provisions: 16, 99

Department of Transportation (DOT):

DOT-Special Provision(s): 8, 146, 173, 335, IB3, T4, TP1, TP29  
DOT-Label(s): 9  
DOT-Symbol: N/A  
DOT-Cargo Aircraft: N/A  
DOT-Passenger Aircraft: N/A  
DOT-Bulk: N/A  
DOT-Non-Bulk: N/A

Road and Rail (ADR-RID):

ADR-Label: 9  
ADR-Hazard identification number: 90  
ADR-Transport category (Tunnel restriction code): 3 (-)

Air (IATA):

IATA-Passenger Aircraft: 964  
IATA-Cargo Aircraft: 964  
IATA-Label: 9  
IATA-Subsidiary hazards: -  
IATA-Erg: 9L  
IATA-Special Provisions: A97 A158 A197

Sea (IMDG):

IMDG-Stowage Code: Category A  
IMDG-Stowage Note: -  
IMDG-Subsidiary hazards: -  
IMDG-Special Provisions: 274 335 969  
IMDG-EMS: F-A, S-F

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**15. Regulatory information**

**Canada - Federal regulations**

**DSL - Domestic Substances List**

All the substances are listed in the DSL.

**NDSL - Non Domestic Substances List**

This product complies with NDSL inventory

**NPRI - National Pollutant Release Inventory**

**NPRI (National Pollutant Release Inventory) - List of substances listed.**

No substances listed

**USA - Federal regulations**

**TSCA - Toxic Substances Control Act**

All the components are listed on the TSCA inventory

**TSCA listed substances:**

4,4'-methylenebis[N-sec-butylaniline] is listed in TSCA Section 8b

diethylmethylbenzenediamine is listed in TSCA Section 8b Section 12b

**SARA - Superfund Amendments and Reauthorization Act****Section 302 - Extremely Hazardous Substances:**

No substances listed

**Section 304 - Hazardous substances:**

No substances listed

**Section 313 - Toxic chemical list:**

No substances listed

**CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act****Substance(s) listed under CERCLA:**

No substances listed

**CAA - Clean Air Act****CAA listed substances:**

No substances listed

**CWA - Clean Water Act****CWA listed substances:**

No substances listed

**USA - State specific regulations****California Proposition 65****Substance(s) listed under California Proposition 65:**

No substances listed

**Massachusetts Right to know****Substance(s) listed under Massachusetts Right to know:**

No substances listed

**Pennsylvania Right to know****Substance(s) listed under Pennsylvania Right to know:**

No substances listed

**New Jersey Right to know****Substance(s) listed under New Jersey Right to know:**

No substances listed

**16. Other information**

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Reasonable care has been taken in the preparation of this information, but the manufacturer makes no warranty of merchantability or any other warranty, expressed or implied, with respect to this information. The manufacturer makes no representations and assumes no liability for any direct, incidental or consequential damages resulting from its use. The information herein is presented in good faith and believed to be accurate as of the effective date given. It is the buyer's responsibility to ensure that its activities comply with Federal, State or provincial, and local laws.

This document was prepared by a competent person who has received appropriate training.

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

This SDS cancels and replaces any preceding release.

| Code | Description  |
|------|--|
| H302 | Harmful if swallowed.  |
| H312 | Harmful in contact with skin.                                      |
| H317 | May cause an allergic skin reaction.                               |
| H319 | Causes serious eye irritation.                                     |
| H373 | May cause damage to organs through prolonged or repeated exposure. |
| H400 | Very toxic to aquatic life.  |
| H410 | Very toxic to aquatic life with long lasting effects.              |

  

| Code         | Hazard class and hazard category | Description                         |
|--------------|----------------------------------|-------------------------------------|
| A.1/4/Dermal | Acute Tox. 4                     | Acute toxicity (dermal), Category 4 |
| A.1/4/Oral   | Acute Tox. 4                     | Acute toxicity (oral), Category 4   |



|            |                   |  |
|------------|-------------------|--|
| A.3/2A     | Eye Irrit. 2A     | Eye irritation, Category 2A  |
| A.4.2/1    | Skin Sens. 1      | Skin Sensitization, Category 1   |
| A.9/2      | STOT RE 2         | Specific target organ toxicity following repeated exposure, Category 2 |
| CAN-HAE/A1 | Aquatic Acute 1   | Acute (short-term) aquatic hazard - Category 1                         |
| CAN-HAE/C1 | Aquatic Chronic 1 | Chronic (long-term) aquatic hazard - Category 1                        |

**Legend to abbreviations and acronyms used in the safety data sheet:**

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road.  
 RID: Regulation Concerning the International Transport of Dangerous Goods by Rail.  
 IMDG: International Maritime Code for Dangerous Goods.  
 IATA: International Air Transport Association.  
 IATA-DGR: Dangerous Goods Regulation by the "International Air Transport Association" (IATA).  
 ICAO: International Civil Aviation Organization.  
 ICAO-TI: Technical Instructions by the "International Civil Aviation Organization" (ICAO).  
 GHS: Globally Harmonized System of Classification and Labeling of Chemicals.  
 CLP: Classification, Labeling, Packaging.  
 EINECS: European Inventory of Existing Commercial Chemical Substances.  
 INCI: International Nomenclature of Cosmetic Ingredients.  
 CAS: Chemical Abstracts Service (division of the American Chemical Society).  
 GefStoffVO: Ordinance on Hazardous Substances, Germany.  
 LC50: Lethal concentration, for 50 percent of test population.  
 LD50: Lethal dose, for 50 percent of test population.  
 DNEL: Derived No Effect Level.  
 PNEC: Predicted No Effect Concentration.  
 TLV: Threshold Limiting Value.  
 TWATLV: Threshold Limit Value for the Time Weighted Average 8 hour day. (ACGIH Standard).  
 STEL: Short Term Exposure limit.  
 STOT: Specific Target Organ Toxicity.  
 WGK: German Water Hazard Class.  
 KSt: Explosion coefficient.

**Paragraphs modified from the previous revision:**

- 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING
- 2. HAZARDS IDENTIFICATION
- 3. COMPOSITION/INFORMATION ON INGREDIENTS
- 4. FIRST AID MEASURES
- 5. FIRE-FIGHTING MEASURES
- 6. ACCIDENTAL RELEASE MEASURES
- 7. HANDLING AND STORAGE
- 8. EXPOSURE CONTROLS/PERSONAL PROTECTION
- 9. PHYSICAL AND CHEMICAL PROPERTIES
- 10. STABILITY AND REACTIVITY
- 11. TOXICOLOGICAL INFORMATION
- 12. ECOLOGICAL INFORMATION
- 14. TRANSPORT INFORMATION
- 15. REGULATORY INFORMATION
- 16. OTHER INFORMATION