# SAFETY DATA SHEET

**Date of issue/Date of revision** : 18 March 2026 **Version** : 1.05

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

### 1.1 Product identifier

**Product name** : SL75 JOINT FILLER CLEAR - A

**Product code** : 00465182

**Product type** : Liquid.

**Other means of identification** : Not available.

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

**Product use** : Professional applications, Used by spraying.

**Use of the substance/ mixture** : Coating.

**Uses advised against** : Product is not intended, labelled or packaged for consumer use.

### 1.3 Details of the supplier of the safety data sheet

PPG Coatings Belgium BV/SRL
Tweemontstraat 104
B-2100 Deurne
Belgium
Telephone +32-33606311
Fax +32-33606435

**e-mail address of person responsible for this SDS** : Product.Stewardship.EMEA@ppg.com

### 1.4 Emergency telephone number

**Supplier**

+31 20 4075210

## SECTION 2: Hazards identification

### 2.1 Classification of the substance or mixture

**Product definition** : Mixture

**Classification according to UK CLP/GHS**

Acute Tox. 4, H332
Skin Irrit. 2, H315
Eye Irrit. 2, H319
Resp. Sens. 1, H334
Skin Sens. 1, H317
Carc. 2, H351
STOT SE 3, H335
STOT RE 2, H373

The product is classified as hazardous according to UK CLP Regulation SI 2019/720 as amended.

See Section 16 for the full text of the H statements declared above.

See Section 11 for more detailed information on health effects and symptoms.

### 2.2 Label elements

**Hazard pictograms** :

**Signal word** : Danger

## SECTION 2: Hazards identification

**Hazard statements** : Causes skin irritation.
May cause an allergic skin reaction.
Causes serious eye irritation.
Harmful if inhaled.
May cause allergy or asthma symptoms or breathing difficulties if inhaled.
May cause respiratory irritation.
Suspected of causing cancer.
May cause damage to organs through prolonged or repeated exposure.

**Precautionary statements**

**Prevention** : Do not handle until all safety precautions have been read and understood. Wear protective gloves, protective clothing and eye or face protection. Do not breathe vapour.

**Response** : IF INHALED: Remove person to fresh air and keep comfortable for breathing. If experiencing respiratory symptoms: Call a POISON CENTER or doctor.

**Storage** : Not applicable.

**Disposal** : Dispose of contents and container in accordance with all local, regional, national and international regulations.

P202, P280, P260, P304 + P340, P342 + P311, P501

**Supplemental label elements** : Contains isocyanates. May produce an allergic reaction.

**Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles** : **As from August 24 2023 adequate training is required before industrial or professional use.**

**Special packaging requirements**

**Containers to be fitted with child-resistant fastenings** : Not applicable.

**Tactile warning of danger** : Not applicable.

**2.3 Other hazards**

**Product meets the criteria for PBT or vPvB according to Regulation (EC) No. 1907/2006, Annex XIII** : This mixture does not contain any substances that are assessed to be a PBT or a vPvB.

**Other hazards which do not result in classification** : None known.

## SECTION 3: Composition/information on ingredients

**3.2 Mixtures** : Mixture

| Product/ingredient name | Identifiers | % | Classification | Type |
|---|---|---|---|---|
| Poly(Tetramethylene Ether)Glycol/ MDI Polymer | CAS: SUB146321 | ≥50 - ≤75 | Skin Sens. 1B, H317 | [1] |
| 4,4'-methylenediphenyl diisocyanate | REACH #: 01-2119457014-47<br>EC: 202-966-0<br>CAS: 101-68-8<br>Index: 615-005-00-9 | ≥10 - ≤25 | Acute Tox. 4, H332<br>Skin Irrit. 2, H315<br>Eye Irrit. 2, H319<br>Resp. Sens. 1, H334<br>Skin Sens. 1, H317<br>Carc. 2, H351<br>STOT SE 3, H335<br>STOT RE 2, H373 | [1] [2] |
| o-(p-isocyanatobenzyl)phenyl isocyanate | REACH #: 01-2119480143-45<br>EC: 227-534-9<br>CAS: 5873-54-1<br>Index: 615-005-00-9 | ≥10 - ≤25 | Acute Tox. 4, H332<br>Skin Irrit. 2, H315<br>Eye Irrit. 2, H319<br>Resp. Sens. 1, H334<br>Skin Sens. 1, H317 | [1] [2] |

## SECTION 3: Composition/information on ingredients

| | | | | |
|---|---|---|---|---|
| | | | Carc. 2, H351<br>STOT SE 3, H335<br>STOT RE 2, H373 | |
| propylene carbonate | REACH #: 01-2119537232-48<br>EC: 203-572-1<br>CAS: 108-32-7<br>Index: 607-194-00-1 | ≥5.0 - ≤10 | Eye Irrit. 2, H319 | [1] |
| Isocyanic acid, polymethylenepolyphenylene ester | REACH #: 01-2119457024-46<br>CAS: 9016-87-9 | ≥1.0 - ≤5.0 | Acute Tox. 4, H332<br>Skin Irrit. 2, H315<br>Eye Irrit. 2, H319<br>Resp. Sens. 1, H334<br>Skin Sens. 1, H317<br>Carc. 2, H351<br>STOT SE 3, H335<br>STOT RE 2, H373 (inhalation) | [1] [2] |
| 2,2'-methylenediphenyl diisocyanate | REACH #: 01-2119927323-43<br>EC: 219-799-4<br>CAS: 2536-05-2<br>Index: 615-005-00-9 | ≥1.0 - ≤5.0 | Acute Tox. 4, H332<br>Skin Irrit. 2, H315<br>Eye Irrit. 2, H319<br>Resp. Sens. 1, H334<br>Skin Sens. 1, H317<br>Carc. 2, H351<br>STOT SE 3, H335<br>STOT RE 2, H373 | [1] [2] |
| methylenediphenyl diisocyanate | REACH #: 01-2119457015-45<br>EC: 247-714-0<br>CAS: 26447-40-5<br>Index: 615-005-00-9 | ≥1.0 - ≤5.0 | Acute Tox. 4, H332<br>Skin Irrit. 2, H315<br>Eye Irrit. 2, H319<br>Resp. Sens. 1, H334<br>Skin Sens. 1, H317<br>Carc. 2, H351<br>STOT SE 3, H335<br>STOT RE 2, H373<br>**See Section 16 for the full text of the H statements declared above.** | [1] [2] |

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment, are PBTs, vPvBs or Substances of equivalent concern, or have been assigned a workplace exposure limit and hence require reporting in this section.

Type

[1] Substance classified with a health or environmental hazard
[2] Substance with a workplace exposure limit

Occupational exposure limits, if available, are listed in Section 8.

**SUB codes represent substances without registered CAS Numbers.**

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

**Eye contact** : Remove contact lenses, irrigate copiously with clean, fresh water, holding the eyelids apart for at least 10 minutes and seek immediate medical advice.
In case of accidental eye contact, avoid direct exposure to the sun or other sources of UV light as severe irritation including burns may result. These reactions can be delayed – get medical attention if pain, irritation or blistering occurs after contact.

**Inhalation** : Remove to fresh air. Keep person warm and at rest. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel.

**Skin contact** : Remove contaminated clothing and shoes. Wash skin thoroughly with soap and water or use recognised skin cleanser. Do NOT use solvents or thinners.

## SECTION 4: First aid measures

**Ingestion** : If swallowed, seek medical advice immediately and show the container or label. Keep person warm and at rest. Do NOT induce vomiting.

**Protection of first-aiders** : No action shall be taken involving any personal risk or without suitable training. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wash contaminated clothing thoroughly with water before removing it, or wear gloves.

### 4.2 Most important symptoms and effects, both acute and delayed

**Potential acute health effects**

**Eye contact** : Causes serious eye irritation.

**Inhalation** : Harmful if inhaled. May cause respiratory irritation. May cause allergy or asthma symptoms or breathing difficulties if inhaled.

**Skin contact** : Causes skin irritation. May cause an allergic skin reaction.

**Ingestion** : No known significant effects or critical hazards.

**Over-exposure signs/symptoms**

**Eye contact** : Adverse symptoms may include the following:
pain or irritation
watering
redness

**Inhalation** : Adverse symptoms may include the following:
respiratory tract irritation
coughing
wheezing and breathing difficulties
asthma

**Skin contact** : Adverse symptoms may include the following:
irritation
redness

**Ingestion** : No specific data.

### 4.3 Indication of any immediate medical attention and special treatment needed

**Notes to physician** : In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.

**Specific treatments** : No specific treatment.

## SECTION 5: Firefighting measures

### 5.1 Extinguishing media

**Suitable extinguishing media** : Use an extinguishing agent suitable for the surrounding fire.

**Unsuitable extinguishing media** : None known.

### 5.2 Special hazards arising from the substance or mixture

**Hazards from the substance or mixture** : In a fire or if heated, a pressure increase will occur and the container may burst.

**Hazardous combustion products** : Decomposition products may include the following materials:
carbon oxides
nitrogen oxides
Cyanate and isocyanate.
hydrogen cyanide

### 5.3 Advice for firefighters

## SECTION 5: Firefighting measures

**Special protective actions for fire-fighters** : Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.

**Special protective equipment for fire-fighters** : Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to British standard BS EN 469 will provide a basic level of protection for chemical incidents.

## SECTION 6: Accidental release measures

### 6.1 Personal precautions, protective equipment and emergency procedures

**For non-emergency personnel** : No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Avoid breathing vapour or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.

**For emergency responders** : If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".

**6.2 Environmental precautions** : Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

### 6.3 Methods and material for containment and cleaning up

**Small spill** : Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.

**Large spill** : Stop leak if without risk. Move containers from spill area. Approach the release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see Section 13). Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilt product. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.

**Special provisions** : Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see Section 13). Place in a suitable container. The contaminated area should be cleaned immediately with a suitable decontaminant. One possible (flammable) decontaminant comprises (by volume): water (45 parts), ethanol or isopropyl alcohol (50 parts) and concentrated (d: 0,880) ammonia solution (5 parts). A non-flammable alternative is sodium carbonate (5 parts) and water (95 parts). Add the same decontaminant to the remnants and let stand for several days until no further reaction in an unsealed container. Once this stage is reached, close container and dispose of according to local regulations (see section 13). Do not allow to enter drains or watercourses. If the product contaminates lakes, rivers, or sewers, inform the appropriate authorities in accordance with local regulations.

**6.4 Reference to other sections** : See Section 1 for emergency contact information.
See Section 8 for information on appropriate personal protective equipment.
See Section 13 for additional waste treatment information.

# SECTION 7: Handling and storage

The information in this section contains generic advice and guidance. The list of Identified Uses in Section 1 should be consulted for any available use-specific information provided in the Exposure Scenario(s).

## 7.1 Precautions for safe handling

**Protective measures** : Put on appropriate personal protective equipment (see Section 8). Persons with a history of skin sensitisation problems or asthma, allergies or chronic or recurrent respiratory disease should not be employed in any process in which this product is used. Avoid exposure - obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not get in eyes or on skin or clothing. Do not breathe vapour or mist. Do not ingest. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.

**Advice on general occupational hygiene** : Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

## 7.2 Conditions for safe storage, including any incompatibilities

Store between the following temperatures: 0 to 35°C (32 to 95°F). Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Store locked up. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.

Precautions should be taken to minimise exposure to atmospheric humidity or water.
$CO_2$ will be formed, which, in closed containers, could result in pressurisation.

## 7.3 Specific end use(s)

See Section 1.2 for Identified uses.

# SECTION 8: Exposure controls/personal protection

## 8.1 Control parameters

The information in this section contains generic advice and guidance. The list of Identified Uses in Section 1 should be consulted for any available use-specific information provided in the Exposure Scenario(s).

**Occupational exposure limits**

| Product/ingredient name | Exposure limit values |
|---|---|
| 4,4'-methylenediphenyl diisocyanate | **EH40/2005 WELs (United Kingdom (UK), 1/2020) [isocyanates, all, except methyl isocyanate]** Inhalation sensitiser.<br>STEL 15 minutes: 0.07 mg/m³ (as -NCO).<br>TWA 8 hours: 0.02 mg/m³ (as -NCO). |
| o-(p-isocyanatobenzyl)phenyl isocyanate | **EH40/2005 WELs (United Kingdom (UK), 1/2020) [isocyanates, all, except methyl isocyanate]** Inhalation sensitiser.<br>STEL 15 minutes: 0.07 mg/m³ (as -NCO).<br>TWA 8 hours: 0.02 mg/m³ (as -NCO). |
| Isocyanic acid, polymethylenepolyphenylene ester | **EH40/2005 WELs (United Kingdom (UK), 1/2020) [isocyanates, all, except methyl isocyanate]** Inhalation sensitiser.<br>STEL 15 minutes: 0.07 mg/m³ (as -NCO).<br>TWA 8 hours: 0.02 mg/m³ (as -NCO). |
| 2,2'-methylenediphenyl diisocyanate | **EH40/2005 WELs (United Kingdom (UK), 1/2020) [isocyanates, all, except methyl isocyanate]** Inhalation sensitiser.<br>STEL 15 minutes: 0.07 mg/m³ (as -NCO).<br>TWA 8 hours: 0.02 mg/m³ (as -NCO). |
| methylenediphenyl diisocyanate | |

## SECTION 8: Exposure controls/personal protection

| | |
|---|---|
| | **EH40/2005 WELs (United Kingdom (UK), 1/2020) [isocyanates, all, except methyl isocyanate]** Inhalation sensitiser.<br>STEL 15 minutes: 0.07 mg/m³ (as -NCO).<br>TWA 8 hours: 0.02 mg/m³ (as -NCO). |

No exposure indices known.

**Recommended monitoring procedures** : Reference should be made to monitoring standards, such as the following: British Standard BS EN 689 (Workplace atmospheres - Guidance for the assessment of exposure by inhalation to chemical agents for comparison with limit values and measurement strategy) British Standard BS EN 14042 (Workplace atmospheres - Guide for the application and use of procedures for the assessment of exposure to chemical and biological agents) British Standard BS EN 482 (Workplace atmospheres - General requirements for the performance of procedures for the measurement of chemical agents) Reference to national guidance documents for methods for the determination of hazardous substances will also be required.

**DNELs/DMELs**

| Product/ingredient name | Type | Exposure | Value | Population | Effects |
|---|---|---|---|---|---|
| 4,4'-methylenediphenyl diisocyanate | DNEL | Long term Inhalation | 0.05 mg/m³ | Workers | Local |
| | DNEL | Short term Inhalation | 0.1 mg/m³ | Workers | Local |
| | DNEL | Long term Inhalation | 0.025 mg/m³ | General population [Consumers] | Local |
| | DNEL | Short term Inhalation | 0.05 mg/m³ | General population [Consumers] | Local |
| | DNEL | Short term Inhalation | 0.1 mg/m³ | Workers | Systemic |
| | DNEL | Long term Inhalation | 0.05 mg/m³ | Workers | Systemic |
| | DNEL | Short term Dermal | 50 mg/kg bw/day | Workers | Systemic |
| | DNEL | Short term Dermal | 28.7 mg/cm² | Workers | Local |
| | DNEL | Short term Dermal | 25 mg/kg bw/day | General population [Consumers] | Systemic |
| | DNEL | Short term Inhalation | 0.05 mg/m³ | General population [Consumers] | Systemic |
| | DNEL | Short term Oral | 20 mg/kg bw/day | General population [Consumers] | Systemic |
| | DNEL | Short term Dermal | 17.2 mg/cm² | General population [Consumers] | Local |
| | DNEL | Long term Inhalation | 0.025 mg/m³ | General population [Consumers] | Systemic |
| | DNEL | Long term Inhalation | 0.025 mg/m³ | General population | Local |
| | DNEL | Short term Inhalation | 0.05 mg/m³ | General population | Local |
| | DNEL | Long term Inhalation | 0.05 mg/m³ | Workers | Local |
| | DNEL | Short term Inhalation | 0.1 mg/m³ | Workers | Local |
| o-(p-isocyanatobenzyl)phenyl isocyanate | DNEL | Short term Dermal | 28.7 mg/cm² | Workers | Local |
| | DNEL | Long term Inhalation | 0.025 mg/m³ | General population | Local |
| | DNEL | Short term Inhalation | 0.05 mg/m³ | General population | Local |
| | DNEL | Long term Inhalation | 0.05 mg/m³ | Workers | Local |
| | DNEL | Short term Inhalation | 0.1 mg/m³ | Workers | Local |
| propylene carbonate | DNEL | Long term Dermal | 10 mg/cm² | Workers | Local |
| | DNEL | Long term Oral | 10 mg/kg bw/day | General population | Systemic |
| | DNEL | Long term Dermal | 10 mg/kg bw/day | General population | Systemic |
| | DNEL | Long term Inhalation | 10 mg/m³ | General population | Local |
| | DNEL | Long term Inhalation | 17.4 mg/m³ | General population | Systemic |
| | DNEL | Long term Dermal | 20 mg/kg bw/day | Workers | Systemic |

## SECTION 8: Exposure controls/personal protection

| | | | | | |
|---|---|---|---|---|---|
| | DNEL | Long term Inhalation | 20 mg/m³ | Workers | Local |
| | DNEL | Long term Inhalation | 70.53 mg/m³ | Workers | Systemic |
| Isocyanic acid, polymethylenepolyphenylene ester | DNEL | Long term Inhalation | 0.05 mg/m³ | Workers | Local |
| | DNEL | Short term Inhalation | 0.1 mg/m³ | Workers | Local |
| | DNEL | Long term Inhalation | 0.025 mg/m³ | General population [Consumers] | Local |
| | DNEL | Short term Inhalation | 0.05 mg/m³ | General population [Consumers] | Local |
| 2,2'-methylenediphenyl diisocyanate | DNEL | Short term Dermal | 28.7 mg/cm² | Workers | Local |
| | DNEL | Long term Inhalation | 0.025 mg/m³ | General population | Local |
| | DNEL | Short term Inhalation | 0.05 mg/m³ | General population | Local |
| | DNEL | Long term Inhalation | 0.05 mg/m³ | Workers | Local |
| | DNEL | Short term Inhalation | 0.1 mg/m³ | Workers | Local |

**PNECs**

| Product/ingredient name | Compartment Detail | Value | Method Detail |
|---|---|---|---|
| 4,4'-methylenediphenyl diisocyanate | Fresh water | 1 mg/l | Assessment Factors |
| | Marine water | 0.1 mg/l | Assessment Factors |
| | Sewage Treatment Plant | 1 mg/l | Assessment Factors |
| | Soil | 1 mg/kg dwt | Assessment Factors |
| o-(p-isocyanatobenzyl)phenyl isocyanate | Fresh water | 1 mg/l | Assessment Factors |
| | Marine water | 0.1 mg/l | Assessment Factors |
| | Sewage Treatment Plant | 1 mg/l | Assessment Factors |
| | Soil | 1 mg/kg dwt | Equilibrium Partitioning |
| Isocyanic acid, polymethylenepolyphenylene ester | Fresh water | 1 mg/l | Assessment Factors |
| | Marine water | 0.1 mg/l | Assessment Factors |
| | Sewage Treatment Plant | 1 mg/l | Assessment Factors |
| | Soil | 1 mg/kg dwt | Assessment Factors |
| 2,2'-methylenediphenyl diisocyanate | Fresh water | 1 mg/l | Assessment Factors |
| | Marine water | 0.1 mg/l | Assessment Factors |
| | Sewage Treatment Plant | 1 mg/l | Assessment Factors |
| | Soil | 1 mg/kg dwt | Assessment Factors |

### 8.2 Exposure controls

**Appropriate engineering controls** : Use only with adequate ventilation. Use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits.

**Individual protection measures**

**Hygiene measures** : Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

**Eye/face protection** : Chemical splash goggles.

**Skin protection**

polyethylene butyl rubber

**Body protection** : Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

**Other skin protection** : Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

## SECTION 8: Exposure controls/personal protection

**Respiratory protection** : Use an air-fed respirator unless a site-specific assessment determines that an air-fed respirator is not necessary, in which case the results of the risk assessment should be utilized to determine whether respiratory protection is necessary and what type of protection is appropriate. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator. If workers are exposed to concentrations above the exposure limit, they must use appropriate, certified respirators. Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary. Wear a respirator conforming to EN140. Filter type: organic vapour (Type A) and particulate filter P3

**Restrictions on use** : Persons with a history of asthma, allergies or chronic or recurrent respiratory disease should not be employed in any process in which this product is used.

**Environmental exposure controls** : Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

## SECTION 9: Physical and chemical properties

The conditions of measurement of all properties are at standard temperature and pressure unless otherwise indicated.

### 9.1 Information on basic physical and chemical properties

**Appearance**

**Physical state** : Liquid.

**Colour** : Various

**Odour** : Faint odour.

**Odour threshold** : Not available.

**Melting point/freezing point** :

**Initial boiling point and boiling range** : >37.78°C (>100°F)

**Flammability (solid, gas)** : liquid

**Upper/lower flammability or explosive limits** : Not available.

**Flash point** : Closed cup: 219°C (426.2°F)

**Auto-ignition temperature** :

| Ingredient name | °C | °F | Method |
|---|---|---|---|
| 4,4'-methylenediphenyl diisocyanate | >601 | >1113.8 | EU A.15 |

**pH** : Not applicable.
Not applicable. insoluble in water.

**Viscosity** : Dynamic (room temperature): Not available.
Kinematic (room temperature): Not available.
Kinematic (40°C): >21 $mm^2/s$

**Solubility(ies)** :

| Media | Result |
|---|---|
| cold water | Not soluble |

**Miscible with water** : No.

**Partition coefficient: n-octanol/water** : Not applicable.

**Vapour pressure** :

| Ingredient name | Vapour Pressure at 20°C | | | Vapour pressure at 50°C | | |
|---|---|---|---|---|---|---|
| | mm Hg | kPa | Method | mm Hg | kPa | Method |
| methylenediphenyl diisocyanate | <1 | <0.13 | | | | |

## SECTION 9: Physical and chemical properties

**Relative density** : 1.11

**Explosive properties** : The product itself is not explosive, but the formation of an explosible mixture of vapour or dust with air is possible.

**Oxidising properties** : Product does not present an oxidizing hazard.

**Particle characteristics**

**Median particle size** : Not applicable.

## SECTION 10: Stability and reactivity

**10.1 Reactivity** : No specific test data related to reactivity available for this product or its ingredients.

**10.2 Chemical stability** : The product is stable.

**10.3 Possibility of hazardous reactions** : Under normal conditions of storage and use, hazardous reactions will not occur.

**10.4 Conditions to avoid** : In a fire, hazardous decomposition products may be produced.
Refer to protective measures listed in sections 7 and 8.

**10.5 Incompatible materials** : Keep away from: oxidising agents, strong alkalis, strong acids, amines, alcohols, water. Uncontrolled exothermic reactions occur with amines and alcohols.

**10.6 Hazardous decomposition products** : Depending on conditions, decomposition products may include the following materials: Cyanate and isocyanate. carbon oxides nitrogen oxides hydrogen cyanide

## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

**Acute toxicity**

| Product/ingredient name | Result | Species | Dose | Exposure |
|---|---|---|---|---|
| 4,4'-methylenediphenyl diisocyanate | LD50 Oral | Rat | 9200 mg/kg | - |
| propylene carbonate | LD50 Oral | Rat | 29 g/kg | - |
| Isocyanic acid, polymethylenepolyphenylene ester | LD50 Dermal | Rabbit | >9400 mg/kg | - |
| | LD50 Oral | Rat | 49 g/kg | - |
| methylenediphenyl diisocyanate | LD50 Dermal | Rabbit | >9400 mg/kg | - |
| | LD50 Oral | Rat | >10000 mg/kg | - |

**Conclusion/Summary** : There are no data available on the mixture itself.

**Acute toxicity estimates**

| Product/ingredient name | Oral (mg/kg) | Dermal (mg/kg) | Inhalation (gases) (ppm) | Inhalation (vapours) (mg/l) | Inhalation (dusts and mists) (mg/l) |
|---|---|---|---|---|---|
| SL75 JOINT FILLER CLEAR - A | N/A | N/A | N/A | 965.8 | 3.8 |
| 4,4'-methylenediphenyl diisocyanate | 9200 | N/A | N/A | N/A | 1.5 |
| o-(p-isocyanatobenzyl)phenyl isocyanate | N/A | N/A | N/A | N/A | 1.5 |
| propylene carbonate | 29000 | N/A | N/A | N/A | N/A |
| Isocyanic acid, polymethylenepolyphenylene ester | 49000 | N/A | N/A | N/A | 1.5 |
| 2,2'-methylenediphenyl diisocyanate | N/A | N/A | N/A | N/A | 1.5 |
| methylenediphenyl diisocyanate | N/A | N/A | N/A | 11 | N/A |

**Irritation/Corrosion**

## SECTION 11: Toxicological information

| Product/ingredient name | Result | Species | Score | Exposure | Observation |
|---|---|---|---|---|---|
| 4,4'-methylenediphenyl diisocyanate | Skin - Irritant | Rabbit | - | - | - |

**Conclusion/Summary** : Not available.

**Skin** : There are no data available on the mixture itself.

**Eyes** : There are no data available on the mixture itself.

**Respiratory** : There are no data available on the mixture itself.

**Sensitisation**

| Product/ingredient name | Route of exposure | Species | Result |
|---|---|---|---|
| 4,4'-methylenediphenyl diisocyanate | Respiratory | Guinea pig | Sensitising |
| | skin | Mouse | Sensitising |
| methylenediphenyl diisocyanate | Respiratory | Guinea pig | Sensitising |
| | skin | Guinea pig | Sensitising |

**Conclusion/Summary**

**Skin** : There are no data available on the mixture itself.

**Respiratory** : There are no data available on the mixture itself.

**Mutagenicity**

**Conclusion/Summary** : There are no data available on the mixture itself.

**Carcinogenicity**

| Product/ingredient name | Result | Species | Dose | Exposure |
|---|---|---|---|---|
| 4,4'-methylenediphenyl diisocyanate | Positive - Inhalation - TC | Rat | 0 to 6 mg/m³ | 2 years; 5 days per week |

**Conclusion/Summary** : There are no data available on the mixture itself.

**Reproductive toxicity**

**Conclusion/Summary** : There are no data available on the mixture itself.

**Teratogenicity**

**Conclusion/Summary** : There are no data available on the mixture itself.

**Specific target organ toxicity (single exposure)**

| Product/ingredient name | Category | Route of exposure | Target organs |
|---|---|---|---|
| 4,4'-methylenediphenyl diisocyanate | Category 3 | - | Respiratory tract irritation |
| o-(p-isocyanatobenzyl)phenyl isocyanate | Category 3 | - | Respiratory tract irritation |
| Isocyanic acid, polymethylenepolyphenylene ester | Category 3 | - | Respiratory tract irritation |
| 2,2'-methylenediphenyl diisocyanate | Category 3 | - | Respiratory tract irritation |
| methylenediphenyl diisocyanate | Category 3 | - | Respiratory tract irritation |

**Specific target organ toxicity (repeated exposure)**

| Product/ingredient name | Category | Route of exposure | Target organs |
|---|---|---|---|
| 4,4'-methylenediphenyl diisocyanate | Category 2 | - | - |
| o-(p-isocyanatobenzyl)phenyl isocyanate | Category 2 | - | - |
| Isocyanic acid, polymethylenepolyphenylene ester | Category 2 | inhalation | - |
| 2,2'-methylenediphenyl diisocyanate | Category 2 | - | - |
| methylenediphenyl diisocyanate | Category 2 | - | - |

## SECTION 11: Toxicological information

**Aspiration hazard**

Not available.

**Information on likely routes of exposure** : Not available.

**Potential acute health effects**

**Eye contact** : Causes serious eye irritation.

**Inhalation** : Harmful if inhaled. May cause respiratory irritation. May cause allergy or asthma symptoms or breathing difficulties if inhaled.

**Skin contact** : Causes skin irritation. May cause an allergic skin reaction.

**Ingestion** : No known significant effects or critical hazards.

**Symptoms related to the physical, chemical and toxicological characteristics**

**Eye contact** : Adverse symptoms may include the following:
pain or irritation
watering
redness

**Inhalation** : Adverse symptoms may include the following:
respiratory tract irritation
coughing
wheezing and breathing difficulties
asthma

**Skin contact** : Adverse symptoms may include the following:
irritation
redness

**Ingestion** : No specific data.

**Delayed and immediate effects as well as chronic effects from short and long-term exposure**

**Short term exposure**

**Potential immediate effects** : Not available.

**Potential delayed effects** : Not available.

**Long term exposure**

**Potential immediate effects** : Not available.

**Potential delayed effects** : Not available.

**Potential chronic health effects**

Not available.

**Conclusion/Summary** : Not available.

**General** : May cause damage to organs through prolonged or repeated exposure. Once sensitized, a severe allergic reaction may occur when subsequently exposed to very low levels.

**Carcinogenicity** : Suspected of causing cancer. Risk of cancer depends on duration and level of exposure.

**Mutagenicity** : No known significant effects or critical hazards.

**Reproductive toxicity** : No known significant effects or critical hazards.

**Other information** : Not available.

# SECTION 12: Ecological information

## 12.1 Toxicity

| Product/ingredient name | Result | Species | Exposure |
|---|---|---|---|
| methylenediphenyl diisocyanate | Acute LC50 >100 mg/l | Fish | 96 hours |

**Conclusion/Summary** : Not available.

## 12.2 Persistence and degradability

**Conclusion/Summary** : Not available.

## 12.3 Bioaccumulative potential

| Product/ingredient name | $LogP_{ow}$ | BCF | Potential |
|---|---|---|---|
| 4,4'-methylenediphenyl diisocyanate | 4.51 | - | High |
| o-(p-isocyanatobenzyl) phenyl isocyanate | 4.51 | - | High |
| propylene carbonate | -0.41 | - | Low |
| 2,2'-methylenediphenyl diisocyanate | 5.22 | - | High |
| methylenediphenyl diisocyanate | 4.51 | - | High |

## 12.4 Mobility in soil

**Soil/water partition coefficient** : Not available.

**Mobility** : Not available.

## 12.5 Results of PBT and vPvB assessment

This mixture does not contain any substances that are assessed to be a PBT or a vPvB.

**12.6 Other adverse effects** : No known significant effects or critical hazards.

# SECTION 13: Disposal considerations

The information in this section contains generic advice and guidance. The list of Identified Uses in Section 1 should be consulted for any available use-specific information provided in the Exposure Scenario(s).

## 13.1 Waste treatment methods

**Product**

**Methods of disposal** : The generation of waste should be avoided or minimised wherever possible. Disposal of this product, solutions 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 non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction.

**Hazardous waste**

**Waste catalogue**

| Waste code | Waste designation |
|---|---|
| 08 05 01* | waste isocyanates |

**Packaging**

**Methods of disposal** : The generation of waste should be avoided or minimised wherever possible. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible.

## SECTION 13: Disposal considerations

| Type of packaging | Waste catalogue | |
|---|---|---|
| Container | 15 01 06 | mixed packaging |

**Special precautions** : This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers.

## SECTION 14: Transport information

| | ADR/RID | ADN | IMDG | IATA |
|---|---|---|---|---|
| **14.1 UN number** | Not regulated. | Not regulated. | Not regulated. | Not regulated. |
| **14.2 UN proper shipping name** | - | - | - | - |
| **14.3 Transport hazard class(es)** | - | - | - | - |
| **14.4 Packing group** | - | - | - | - |
| **14.5 Environmental hazards** | No. | No. | No. | No. |
| **Marine pollutant substances** | Not applicable. | Not applicable. | Not applicable. | Not applicable. |

**Additional information**

**ADR/RID** : None identified.

**ADN** : None identified.

**IMDG** : None identified.

**IATA** : None identified.

**14.6 Special precautions for user** : **Transport within user's premises:** always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

**14.7 Transport in bulk according to IMO instruments** : Not available.

## SECTION 15: Regulatory information

**15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**

**UK (GB)/REACH**

**Annex XIV - List of substances subject to authorisation**

**Annex XIV**

None of the components are listed.

**Substances of very high concern**

None of the components are listed.

**Explosive precursors** : Not applicable.

**Ozone depleting substances**

Not listed.

**Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles**

## SECTION 15: Regulatory information

| Product/ingredient name | Entry Number (REACH) |
|---|---|
| SL75 JOINT FILLER CLEAR - A | 3 |
| 4,4'-methylenediphenyl diisocyanate | 56 [Consumer products]<br>74 |
| o-(p-isocyanatobenzyl)phenyl isocyanate | 56 [Consumer products]<br>74 |
| 2,2'-methylenediphenyl diisocyanate | 56 [Consumer products]<br>74 |
| methylenediphenyl diisocyanate | 56 [Consumer products]<br>74 |

**Labelling** : **As from August 24 2023 adequate training is required before industrial or professional use.**

**Seveso Directive**

This product is not controlled under the Seveso Directive.

## SECTION 16: Other information

Indicates information that has changed from previously issued version.

**Abbreviations and acronyms** : ATE = Acute Toxicity Estimate
GB CLP = UK CLP (EC No 1272/2008) on the Classification, Labelling and Packaging of Substances and Mixtures as amended by (EU Exit) Regulations 2019 No. 720 and amendments
DMEL = Derived Minimal Effect Level
DNEL = Derived No Effect Level
EUH statement = GB CLP-specific Hazard statement
N/A = Not available
PBT = Persistent, Bioaccumulative and Toxic
PNEC = Predicted No Effect Concentration
RRN = REACH Registration Number
SGG = Segregation Group
vPvB = Very Persistent and Very Bioaccumulative

**Procedure used to derive the classification**

| Classification | Justification |
|---|---|
| Acute Tox. 4, H332 | Calculation method |
| Skin Irrit. 2, H315 | Calculation method |
| Eye Irrit. 2, H319 | Calculation method |
| Resp. Sens. 1, H334 | Calculation method |
| Skin Sens. 1, H317 | Calculation method |
| Carc. 2, H351 | Calculation method |
| STOT SE 3, H335 | Calculation method |
| STOT RE 2, H373 | Calculation method |

**Full text of abbreviated H statements**

| | |
|---|---|
| H315 | Causes skin irritation. |
| H317 | May cause an allergic skin reaction. |
| H319 | Causes serious eye irritation. |
| H332 | Harmful if inhaled. |
| H334 | May cause allergy or asthma symptoms or breathing difficulties if inhaled. |
| H335 | May cause respiratory irritation. |
| H351 | Suspected of causing cancer. |
| H373 | May cause damage to organs through prolonged or repeated exposure. |

**Full text of classifications**

## SECTION 16: Other information

| | |
|---|---|
| Acute Tox. 4 | ACUTE TOXICITY - Category 4 |
| Carc. 2 | CARCINOGENICITY - Category 2 |
| Eye Irrit. 2 | SERIOUS EYE DAMAGE/EYE IRRITATION - Category 2 |
| Resp. Sens. 1 | RESPIRATORY SENSITISATION - Category 1 |
| Skin Irrit. 2 | SKIN CORROSION/IRRITATION - Category 2 |
| Skin Sens. 1 | SKIN SENSITISATION - Category 1 |
| Skin Sens. 1B | SKIN SENSITISATION - Category 1B |
| STOT RE 2 | SPECIFIC TARGET ORGAN TOXICITY - REPEATED EXPOSURE - Category 2 |
| STOT SE 3 | SPECIFIC TARGET ORGAN TOXICITY - SINGLE EXPOSURE - Category 3 |

**History**

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**Prepared by** : EHS

**Version** : 1.05

**Disclaimer**

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