



# Azo Grout 675

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878  
Issue date: 11/25/2024 Revision date: 12/5/2024 Supersedes version of: 11/25/2024 Version: 1.1

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

#### 1.1. Product identifier

Product form : Mixture  
Trade name : Azo Grout 675  
UFI : AJXR-T8U0-46A4-UM9N

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

##### Relevant identified uses

Use of the substance/mixture : Water stop

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

##### Supplier

Azon USA Inc.  
2204 Ravine Rd  
49004, Kalamazoo, Michigan  
USA  
T 269-385-5942

##### Responsible Person

KÖSTER BAUCHEMIE AG  
Dieselstraße 1 – 10  
26607 Aurich  
Germany  
T +49 4941 9709-51

##### Responsible Person

WFP GmbH  
Drescherstraße 49  
D-71277 Rutesheim  
Germany  
T +49 (0) 7152-30 03 30

#### 1.4. Emergency telephone number

Emergency number : For 24/7 multilingual advice for spill, leak, fire, exposure, or accident call CHEMTREC at +44 20 3885 0382 (Regional, Toll-Free, multilingual) 0800 1817059 (Local, German) and provide CCN 2189

Country/Area	Organisation/Company	Address	Emergency number	Comment
Germany	Klinik für Intensiv- und Notfallmedizin, Klinikum Nürnberg Institut für Biomedizin des Alterns, Universität Erlangen-Nürnberg	Professor-Ernst-Nathan- Straße 1 90419	+49 (0) 911 398 2451	

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

##### Classification according to Regulation (EC) No. 1272/2008 [CLP]

Acute toxicity (inhalation:dust,mist) Category 4 H332  
Skin corrosion/irritation, Category 2 H315  
Serious eye damage/eye irritation, Category 2 H319  
Respiratory sensitisation, Category 1 H334  
Skin sensitisation, Category 1 H317  
Carcinogenicity, Category 2 H351  
Specific target organ toxicity – Single exposure, Category 3, H335  
Respiratory tract irritation

Full text of H- and EUH-statements: see section 16

##### Adverse physicochemical, human health and environmental effects

Suspected of causing cancer. Harmful if inhaled. May cause respiratory irritation. Causes skin irritation. May cause an allergic skin reaction. Causes serious eye irritation. May cause allergy or asthma symptoms or breathing difficulties if inhaled.

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### 2.2. Label elements

#### Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms (CLP)



Signal word (CLP)	: Danger
Contains	: 4,4'-Methylenediphenyl diisocyanate; Toluene-diisocyanate (mixed isomers); 4-Isocyanatosulphonyltoluene; 2,4'-Diphenylmethane Diisocyanate (MDI); 2,2'-Diphenylmethane Diisocyanate; Diphenylmethane Diisocyanate, isomers and homologues
Hazard statements (CLP)	: 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.
Precautionary statements (CLP)	: P201 - Obtain special instructions before use. P202 - Do not handle until all safety precautions have been read and understood. P261 - Avoid breathing mist, spray, vapours, gas. P264 - Wash hands, forearms and face thoroughly after handling. P271 - Use only outdoors or in a well-ventilated area. P272 - Contaminated work clothing should not be allowed out of the workplace.
Unknown acute toxicity (CLP) - SDS	: 8.99% of the mixture consists of ingredient(s) of unknown acute toxicity (Oral) 47.98% of the mixture consists of ingredient(s) of unknown acute toxicity (Dermal)

### 2.3. Other hazards

Contains no PBT and/or vPvB substances  $\geq 0.1\%$  assessed in accordance with REACH Annex XIII

The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or substance(s) are not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at a concentration equal to or greater than 0,1 %

## SECTION 3: Composition/information on ingredients

### 3.2. Mixtures

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Dimethyl Glutarate	CAS-No.: 1119-40-0 EC-No.: 214-277-2	14 – 22	Eye Irrit. 2, H319
4,4'-Methylenediphenyl diisocyanate	CAS-No.: 101-68-8 EC-No.: 202-966-0 EC Index-No.: 615-005-00-9	1 – 5	Acute Tox. 4 (Inhalation), 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
Dimethyl Adipate	CAS-No.: 627-93-0 EC-No.: 211-020-6	1.5 – 7.5	Eye Irrit. 2, H319
Dimethyl Succinate	CAS-No.: 106-65-0 EC-No.: 203-419-9	1.5 – 7.5	Eye Irrit. 2, H319

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Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Diphenylmethane Diisocyanate, isomers and homologues	CAS-No.: 9016-87-9	1 – 5	Acute Tox. 4 (Inhalation:dust,mist), 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
Toluene-diisocyanate (mixed isomers)	CAS-No.: 26471-62-5 EC-No.: 247-722-4 EC Index-No.: 615-006-00-4	0.5 – 2	Acute Tox. 2 (Inhalation), H330 Skin Irrit. 2, H315 Eye Irrit. 2, H319 Resp. Sens. 1, H334 Skin Sens. 1, H317 Carc. 2, H351 STOT SE 3, H335 Aquatic Chronic 3, H412
2,4'-Diphenylmethane Diisocyanate (MDI)	CAS-No.: 5873-54-1 EC-No.: 227-534-9 EC Index-No.: 615-005-00-9	0.1 – 1	Acute Tox. 4 (Inhalation), 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
4-Isocyanatosulphonyltoluene	CAS-No.: 4083-64-1 EC-No.: 223-810-8 EC Index-No.: 615-012-00-7	> 0.6	Skin Irrit. 2, H315 Eye Irrit. 2, H319 Resp. Sens. 1, H334 STOT SE 3, H335 Aquatic Chronic 3, H412
2,2'-Diphenylmethane Diisocyanate	CAS-No.: 2536-05-2 EC-No.: 219-799-4 EC Index-No.: 615-005-00-9	0.007 – 0.067	Acute Tox. 4 (Inhalation), 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

### Specific concentration limits:

Name	Product identifier	Specific concentration limits (%)
4,4'-Methylenediphenyl diisocyanate	CAS-No.: 101-68-8 EC-No.: 202-966-0 EC Index-No.: 615-005-00-9	(0.1 ≤ C ≤ 100) Resp. Sens. 1; H334 (5 ≤ C ≤ 100) Eye Irrit. 2; H319 (5 ≤ C ≤ 100) Skin Irrit. 2; H315 (5 ≤ C ≤ 100) STOT SE 3; H335
Toluene-diisocyanate (mixed isomers)	CAS-No.: 26471-62-5 EC-No.: 247-722-4 EC Index-No.: 615-006-00-4	(0.1 ≤ C ≤ 100) Resp. Sens. 1; H334
2,4'-Diphenylmethane Diisocyanate (MDI)	CAS-No.: 5873-54-1 EC-No.: 227-534-9 EC Index-No.: 615-005-00-9	(0.1 ≤ C ≤ 100) Resp. Sens. 1; H334 (5 ≤ C ≤ 100) Eye Irrit. 2; H319 (5 ≤ C ≤ 100) Skin Irrit. 2; H315 (5 ≤ C ≤ 100) STOT SE 3; H335

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### Specific concentration limits:

Name	Product identifier	Specific concentration limits (%)
4-Isocyanatosulphonyltoluene	CAS-No.: 4083-64-1 EC-No.: 223-810-8 EC Index-No.: 615-012-00-7	(5 ≤ C ≤ 100) Eye Irrit. 2; H319 (5 ≤ C ≤ 100) STOT SE 3; H335 (5 ≤ C ≤ 100) Skin Irrit. 2; H315
2,2'-Diphenylmethane Diisocyanate	CAS-No.: 2536-05-2 EC-No.: 219-799-4 EC Index-No.: 615-005-00-9	(0.1 ≤ C ≤ 100) Resp. Sens. 1; H334 (5 ≤ C ≤ 100) Eye Irrit. 2; H319 (5 ≤ C ≤ 100) Skin Irrit. 2; H315 (5 ≤ C ≤ 100) STOT SE 3; H335

Full text of H- and EUH-statements: see section 16

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

First-aid measures general	: First aider: Pay attention to self-protection. Never give anything by mouth to an unconscious person. Give artificial respiration if necessary. Induce artificial respiration with mask fitted with one-way valve or other suitable device but not mouth-to-mouth. IF exposed or concerned: Get medical advice/attention.
First-aid measures after inhalation	: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. If the victim is unconscious : Lay in a stable manner on victim's side. Induce artificial respiration with mask fitted with one-way valve or other suitable device; not mouth-to-mouth. Call a physician immediately.
First-aid measures after skin contact	: Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse. If skin irritation or rash occurs: Get medical advice/attention. Wash contaminated clothing before reuse.
First-aid measures after eye contact	: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
First-aid measures after ingestion	: Rinse mouth out with water. If the person is fully conscious, make him/her drink water (8 ounces / 240mL). Never give an unconscious person anything to drink. Do NOT induce vomiting. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Call a poison center or a doctor if you feel unwell.

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

Symptoms/effects after inhalation	: May cause respiratory irritation. May cause allergy or asthma symptoms or breathing difficulties if inhaled.
Symptoms/effects after skin contact	: May cause an allergic skin reaction. Irritation (itching, redness, blistering).
Symptoms/effects after eye contact	: Stinging, redness, itching, tears, blurred vision, swelling.
Symptoms/effects after ingestion	: Not expected to present a significant ingestion hazard under anticipated conditions of normal use. Ingestion may cause nausea and vomiting.

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

Treat symptomatically.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

Suitable extinguishing media	: Dry chemical, CO <sub>2</sub> , dry sand, or alcohol-resistant foam. Use extinguishing agent suitable for surrounding fire.
Unsuitable extinguishing media	: Do not use a heavy water stream.

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

Fire hazard	: No fire hazard.
Hazardous decomposition products in case of fire	: Toxic fumes may be released. Thermal decomposition generates: Carbon dioxide. Carbon monoxide. Nitrogen oxides.

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### 5.3. Advice for firefighters

- Firefighting instructions : Fight fire from safe distance and protected location. Do not enter fire area without proper protective equipment, including respiratory protection. Move containers from fire area if it can be done without personal risk. Use water spray or fog for cooling exposed containers. Use extinguishing media appropriate for surrounding fire. Prevent fire fighting water from entering the environment.
- Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

## SECTION 6: Accidental release measures

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

- General measures : Avoid all personal contact including breathing in the mist, spray, vapours, gas. Do not take actions involving personal risks. Stop leak if safe to do so. Absorb spillage to prevent material damage. Notify authorities if product enters sewers or public waters.

#### For non-emergency personnel

- Protective equipment : Wear recommended personal protective equipment.
- Emergency procedures : Evacuate the danger area. If outdoors, move to an area upwind of the danger area. If possible without taking personal risks, remove ignition sources, ventilate area. Avoid contact with skin and eyes. Avoid breathing mist, spray, vapours, gas. Prevent other non-emergency personnel from entering the danger area.

#### For emergency responders

- Protective equipment : Wear the recommended personal protective equipment.
- Emergency procedures : Evacuate unnecessary personnel. Ventilate spillage area. Stop leak if safe to do so. Remove all sources of ignition.

### 6.2. Environmental precautions

Do not let the product reach soil, drains, sewers, or surface and ground water.

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

- For containment : Stop leak without risks if possible. Small spills: Contain with non-combustible inert absorbent. In case of large spillages: Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams. Absorb spilled material with sand or earth.
- Methods for cleaning up : Take up in non-combustible inert absorbent and place into container for disposal. Contaminated absorbent material may pose the same hazard as the spilt product. Decontaminate surfaces and equipment with water and detergent. Until a sufficient level of dilution is achieved, the decontamination water may pose the same hazards as the product. Dispose of collected material as soon as possible in accordance with applicable local/regional/national/international regulations.

### 6.4. Reference to other sections

For further information refer to section 8: "Exposure controls/personal protection". For further information refer to section 13.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

- Precautions for safe handling : Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wear personal protective equipment. Use only outdoors or in a well-ventilated area. Avoid breathing mist, spray, vapours, gas. Avoid contact with skin, eyes and clothing. Take precautionary measures against static discharge.
- Hygiene measures : Do not eat, drink or smoke when using this product. Always wash hands after handling the product. Contaminated work clothing should not be allowed out of the workplace.

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### 7.2. Conditions for safe storage, including any incompatibilities

- Storage conditions : Store in a cool, dry and well-ventilated area away from incompatible substances. Store locked up. Store tightly closed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.
- Incompatible products : Oxidizing agents.
- Packaging materials : Store always product in container of same material as original container.

#### Germany

Storage class (LGK, TRGS 510) : LGK 12 - Non-combustible liquids

Joint storage table :

LGK 1	LGK 2A	LGK 2B	LGK 3	LGK 4.1A
LGK 4.1B	LGK 4.2	LGK 4.3	LGK 5.1A	LGK 5.1B
LGK 5.1C	LGK 5.2	LGK 6.1A	LGK 6.1B	LGK 6.1C
LGK 6.1D	LGK 6.2	LGK 7	LGK 8A	LGK 8B
LGK 10	LGK 11	LGK 12	LGK 13	LGK 10-13

- Joint storage not permitted for : LGK 1, LGK 6.2, LGK 7
- Joint storage with restrictions permitted for : LGK 4.1A, LGK 4.3, LGK 5.1C
- Joint storage permitted for : LGK 2A, LGK 2B, LGK 3, LGK 4.1B, LGK 4.2, LGK 5.1A, LGK 5.1B, LGK 5.2, LGK 6.1A, LGK 6.1B, LGK 6.1C, LGK 6.1D, LGK 8A, LGK 8B, LGK 10, LGK 11, LGK 12, LGK 13, LGK 10-13

### 7.3. Specific end use(s)

Water stop.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### National occupational exposure and biological limit values

##### 4,4'-Methylenediphenyl diisocyanate (101-68-8)

##### Germany - Occupational Exposure Limits (TRGS 900)

Local name	4,4'-Methylenediphenyldiisocyanat
AGW (OEL TWA)	0.05 mg/m <sup>3</sup> (E)
Peak exposure limitation factor	1;=2=(I)
Remark	DFG - Senatskommission zur Prüfung gesundheitsschädlicher Arbeitsstoffe der DFG (MAK-Kommission); 11 - Summe aus Dampf und Aerosolen; 12 - Der Arbeitsplatzgrenzwert gilt in der Regel nur für die Monomeren. Zur Beurteilung von Oligomeren oder Polymeren siehe TRGS 430 "Isocyanate"; H - hautresorptiv; Sah - Atemwegs- und Hautsensibilisierender Stoff; Y - Ein Risiko der Fruchtschädigung braucht bei Einhaltung des Arbeitsplatzgrenzwertes und des biologischen Grenzwertes (BGW) nicht befürchtet zu werden
Regulatory reference	TRGS900

##### 2,4'-Diphenylmethane Diisocyanate (MDI) (5873-54-1)

##### Germany - Occupational Exposure Limits (TRGS 900)

Local name	o-(p-Isocyanatobenzyl)phenylisocyanat
AGW (OEL TWA)	0.05 mg/m <sup>3</sup>
Peak exposure limitation factor	1;=2=(I)
Remark	AGS - Ausschuss für Gefahrstoffe; 11 - Summe aus Dampf und Aerosolen; 12 - Der Arbeitsplatzgrenzwert gilt in der Regel nur für die Monomeren. Zur Beurteilung von Oligomeren oder Polymeren siehe TRGS 430 "Isocyanate"

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<b>2,4'-Diphenylmethane Diisocyanate (MDI) (5873-54-1)</b>	
Regulatory reference	TRGS900
<b>2,2'-Diphenylmethane Diisocyanate (2536-05-2)</b>	
<b>Germany - Occupational Exposure Limits (TRGS 900)</b>	
Local name	2,2'-Methyldiphenyldiisocyanat
AGW (OEL TWA)	0.05 mg/m <sup>3</sup>
Peak exposure limitation factor	1;=2=(I)
Remark	AGS - Ausschuss für Gefahrstoffe; 11 - Summe aus Dampf und Aerosolen; 12 - Der Arbeitsplatzgrenzwert gilt in der Regel nur für die Monomeren. Zur Beurteilung von Oligomeren oder Polymeren siehe TRGS 430 "Isocyanate"
Regulatory reference	TRGS900
<b>Dimethyl Glutarate (1119-40-0)</b>	
<b>Germany - Occupational Exposure Limits (TRGS 900)</b>	
Local name	Dimethylglutarat
AGW (OEL TWA)	8 mg/m <sup>3</sup> 1.2 ppm
Peak exposure limitation factor	2(I)
Remark	AGS - Ausschuss für Gefahrstoffe; Y - Ein Risiko der Fruchtschädigung braucht bei Einhaltung des Arbeitsplatzgrenzwertes und des biologischen Grenzwertes (BGW) nicht befürchtet zu werden; 11 - Summe aus Dampf und Aerosolen
Regulatory reference	TRGS900
<b>Dimethyl Adipate (627-93-0)</b>	
<b>Germany - Occupational Exposure Limits (TRGS 900)</b>	
Local name	Dimethyladipat
AGW (OEL TWA)	8 mg/m <sup>3</sup> 1.2 ppm
Peak exposure limitation factor	2(I)
Remark	AGS - Ausschuss für Gefahrstoffe; Y - Ein Risiko der Fruchtschädigung braucht bei Einhaltung des Arbeitsplatzgrenzwertes und des biologischen Grenzwertes (BGW) nicht befürchtet zu werden; 11 - Summe aus Dampf und Aerosolen
Regulatory reference	TRGS900
<b>Dimethyl Succinate (106-65-0)</b>	
<b>Germany - Occupational Exposure Limits (TRGS 900)</b>	
Local name	Dimethylsuccinat
AGW (OEL TWA)	8 mg/m <sup>3</sup> 1.2 ppm
Peak exposure limitation factor	2(I)
Remark	AGS - Ausschuss für Gefahrstoffe; Y - Ein Risiko der Fruchtschädigung braucht bei Einhaltung des Arbeitsplatzgrenzwertes und des biologischen Grenzwertes (BGW) nicht befürchtet zu werden; 11 - Summe aus Dampf und Aerosolen
Regulatory reference	TRGS900

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### Diphenylmethane Diisocyanate, isomers and homologues (9016-87-9)

#### Germany - Occupational Exposure Limits (TRGS 900)

Local name	pMDI (als MDI berechnet)
AGW (OEL TWA)	0.05 mg/m <sup>3</sup> (E)
Peak exposure limitation factor	1;=2=(I)
Remark	DFG - Senatskommission zur Prüfung gesundheitsschädlicher Arbeitsstoffe der DFG (MAK-Kommission); H - hautresorptiv; Sah - Atemwegs- und Hautsensibilisierender Stoff; Y - Ein Risiko der Fruchtschädigung braucht bei Einhaltung des Arbeitsplatzgrenzwertes und des biologischen Grenzwertes (BGW) nicht befürchtet zu werden; 12 - Der Arbeitsplatzgrenzwert gilt in der Regel nur für die Monomeren. Zur Beurteilung von Oligomeren oder Polymeren siehe TRGS 430 "Isocyanate"
Regulatory reference	TRGS900

### 8.2. Exposure controls

#### Appropriate engineering controls

##### Appropriate engineering controls:

Ensure good ventilation of the work station. Use general ventilation, local exhaust ventilation, or process enclosure to keep the airborne concentrations below the permissible exposure limits.

#### Personal protection equipment

##### Personal protective equipment:

Personal protective equipment should be chosen according to national standards and in discussion with the supplier of the protective equipment. Wear recommended personal protective equipment.

##### Personal protective equipment symbol(s):



#### Eye and face protection

##### Eye protection:

Chemical goggles or safety glasses

#### Skin protection

##### Skin and body protection:

Long sleeved protective clothing. Body protection should be chosen depending on activity and possible exposure

##### Hand protection:

Wear protective gloves. Wear suitable gloves resistant to chemical penetration. Discard contaminated gloves and wash contaminated clothing before reuse

#### Other skin protection

##### Materials for protective clothing:

Personal protective equipment should be chosen according to national standards and in discussion with the supplier of the protective equipment.

#### Respiratory protection

##### Respiratory protection:

In case of inadequate ventilation, wear respiratory protection. Select a respirator that meets the appropriate standard or certification. Respirators must be used according to a respiratory protection program to ensure proper fitting, training, and other important aspects of use.

#### Environmental exposure controls

##### Environmental exposure controls:

Avoid release to the environment. Take measures to reduce or limit air emissions and releases to soil and the aquatic environment.



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### SECTION 9: Physical and chemical properties

#### 9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Colour	: Amber. Light brown.
Appearance	: Clear liquid.
Odour	: Not available
Odour threshold	: Not available
Melting point	: Not applicable
Freezing point	: Not available
Boiling point	: Not available
Flammability	: Non flammable.
Lower explosion limit	: Not available
Upper explosion limit	: Not available
Flash point	: > 93.3 °C / 200 °F
Auto-ignition temperature	: Not available
Decomposition temperature	: Not available
pH	: Not available
Viscosity, kinematic	: Not available
Viscosity, dynamic	: 725 – 1025 cP (25 °C/ 77 °F)
Solubility	: Not available
Partition coefficient n-octanol/water (Log Kow)	: Not available
Vapour pressure	: Not available
Vapour pressure at 50°C	: Not available
Density	: Not available
Relative density	: 1.09 – 1.12
Relative vapour density at 20°C	: Not available
Particle characteristics	: Not applicable

#### 9.2. Other information

No additional information available.

### SECTION 10: Stability and reactivity

#### 10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

#### 10.2. Chemical stability

Stable under normal conditions of use.

#### 10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

#### 10.4. Conditions to avoid

Incompatible materials.

#### 10.5. Incompatible materials

Oxidizing agents.

#### 10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced. Thermal decomposition generates: Carbon dioxide. Carbon monoxide. Nitrogen oxides.

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### SECTION 11: Toxicological information

#### 11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity (oral) : Not classified  
Acute toxicity (dermal) : Not classified  
Acute toxicity (inhalation) : Inhalation:dust,mist: Harmful if inhaled.

<b>Azo Grout 675</b>	
ATE CLP (dust,mist)	1.647 mg/l/4h
<b>4,4'-Methylenediphenyl diisocyanate (101-68-8)</b>	
LD50 oral rat	9200 mg/kg bodyweight
<b>Toluene-diisocyanate (mixed isomers) (26471-62-5)</b>	
LD50 dermal rabbit	> 9400 mg/kg bodyweight
<b>4-Isocyanatosulphonyltoluene (4083-64-1)</b>	
LD50 oral rat	2330 mg/kg bodyweight
LD50 dermal rat	> 2000 mg/kg bodyweight
<b>Dimethyl Glutarate (1119-40-0)</b>	
LD50 oral rat	8900 mg/kg bodyweight
LD50 dermal rat	> 2000 mg/kg bodyweight
<b>Dimethyl Adipate (627-93-0)</b>	
LD50 oral	8500 mg/kg bodyweight (mouse)
LD50 dermal rat	> 2000 mg/kg bodyweight
LD50 dermal rabbit	> 5000 mg/kg bodyweight
<b>Dimethyl Succinate (106-65-0)</b>	
LD50 oral rat	> 5000 mg/kg
LD50 dermal rat	> 2000 mg/kg bodyweight
LD50 dermal rabbit	> 5000 mg/kg
<b>Diphenylmethane Diisocyanate, isomers and homologues (9016-87-9)</b>	
LD50 oral rat	49 g/kg
LD50 dermal rabbit	> 9400 mg/kg bodyweight
LC50 Inhalation - Rat	490 mg/m <sup>3</sup>
Unknown acute toxicity (CLP) - SDS	: 8.99% of the mixture consists of ingredient(s) of unknown acute toxicity (Oral) 47.98% of the mixture consists of ingredient(s) of unknown acute toxicity (Dermal)
Skin corrosion/irritation	: Causes skin irritation.
Serious eye damage/irritation	: Causes serious eye irritation.
<b>Dimethyl Adipate (627-93-0)</b>	
Serious eye damage/irritation, rabbit	Moderately irritating
<b>Diphenylmethane Diisocyanate, isomers and homologues (9016-87-9)</b>	
Serious eye damage/irritation, rabbit	Mildly irritating
Respiratory or skin sensitisation	: May cause allergy or asthma symptoms or breathing difficulties if inhaled. May cause an allergic skin reaction.
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Suspected of causing cancer.

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<b>4,4'-Methylenediphenyl diisocyanate (101-68-8)</b>	
IARC group	3 - Not classifiable
<b>Toluene-diisocyanate (mixed isomers) (26471-62-5)</b>	
IARC group	2B - Possibly carcinogenic to humans
<b>Diphenylmethane Diisocyanate, isomers and homologues (9016-87-9)</b>	
IARC group	3 - Not classifiable
Reproductive toxicity	: Not classified
STOT-single exposure	: May cause respiratory irritation.
<b>4,4'-Methylenediphenyl diisocyanate (101-68-8)</b>	
STOT-single exposure	May cause respiratory irritation.
<b>Toluene-diisocyanate (mixed isomers) (26471-62-5)</b>	
STOT-single exposure	May cause respiratory irritation.
<b>4-Isocyanatosulphonyltoluene (4083-64-1)</b>	
STOT-single exposure	May cause respiratory irritation.
<b>2,4'-Diphenylmethane Diisocyanate (MDI) (5873-54-1)</b>	
STOT-single exposure	May cause respiratory irritation.
<b>2,2'-Diphenylmethane Diisocyanate (2536-05-2)</b>	
STOT-single exposure	May cause respiratory irritation.
<b>Diphenylmethane Diisocyanate, isomers and homologues (9016-87-9)</b>	
STOT-single exposure	May cause respiratory irritation.
STOT-repeated exposure	: Not classified
<b>4,4'-Methylenediphenyl diisocyanate (101-68-8)</b>	
STOT-repeated exposure	May cause damage to organs through prolonged or repeated exposure.
<b>2,4'-Diphenylmethane Diisocyanate (MDI) (5873-54-1)</b>	
STOT-repeated exposure	May cause damage to organs through prolonged or repeated exposure.
<b>2,2'-Diphenylmethane Diisocyanate (2536-05-2)</b>	
STOT-repeated exposure	May cause damage to organs through prolonged or repeated exposure.
<b>Diphenylmethane Diisocyanate, isomers and homologues (9016-87-9)</b>	
STOT-repeated exposure	May cause damage to organs through prolonged or repeated exposure.
Aspiration hazard	: Not classified
<b>Toluene-diisocyanate (mixed isomers) (26471-62-5)</b>	
Viscosity, kinematic	2.221 mm <sup>2</sup> /s Temp.: '20°C' Parameter: 'kinematic viscosity (in mm <sup>2</sup> /s)'
<b>2,4'-Diphenylmethane Diisocyanate (MDI) (5873-54-1)</b>	
Viscosity, kinematic	4.002 mm <sup>2</sup> /s Temp.: 'other:' Parameter: 'kinematic viscosity (in mm <sup>2</sup> /s)'

### 11.2. Information on other hazards

No additional information available.

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### SECTION 12: Ecological information

#### 12.1. Toxicity

Ecology - general	: The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment.
Hazardous to the aquatic environment, short-term (acute)	: Not classified
Hazardous to the aquatic environment, long-term (chronic)	: Not classified

#### 4,4'-Methylenediphenyl diisocyanate (101-68-8)

NOEC (chronic)	≥ 10 mg/l
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#### Toluene-diisocyanate (mixed isomers) (26471-62-5)

LC50 - Fish [1]	133 mg/l
EC50 - Crustacea [1]	12.5 mg/l
EC50 - Other aquatic organisms [1]	18.3 mg/l
EC50 96h - Algae [1]	3230 mg/l
EC50 96h - Algae [2]	4300 mg/l
LOEC (chronic)	2.2 mg/l
NOEC (chronic)	1.1 mg/l

#### 4-Isocyanatosulphonyltoluene (4083-64-1)

LC50 - Fish [1]	> 45 mg/l
EC50 - Crustacea [1]	> 100 mg/l
EC50 72h - Algae [1]	30 mg/l
EC50 72h - Algae [2]	25 mg/l

#### 2,4'-Diphenylmethane Diisocyanate (MDI) (5873-54-1)

NOEC (chronic)	≥ 10 mg/l
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#### 2,2'-Diphenylmethane Diisocyanate (2536-05-2)

NOEC (chronic)	≥ 10 mg/l
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#### Dimethyl Glutarate (1119-40-0)

LC50 - Fish [1]	13400 mg/l
EC50 - Crustacea [1]	3940 – 4670 mg/l

#### Dimethyl Adipate (627-93-0)

LC50 - Fish [1]	87.095 mg/l
EC50 - Crustacea [1]	72 mg/l
EC50 72h - Algae [1]	> 100 mg/l
EC50 96h - Algae [1]	6.691 mg/l

#### Dimethyl Succinate (106-65-0)

LC50 - Fish [1]	50 mg/l
EC50 - Crustacea [1]	> 100 mg/l
EC50 72h - Algae [1]	> 100 mg/l
EC50 96h - Algae [1]	11.917 mg/l

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### Dimethyl Succinate (106-65-0)

NOEC (chronic)	358.6 mg/l
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### 12.2. Persistence and degradability

#### Azo Grout 675

Persistence and degradability	Not established.
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#### 4,4'-Methylenediphenyl diisocyanate (101-68-8)

Persistence and degradability	Not rapidly degradable
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#### Toluene-diisocyanate (mixed isomers) (26471-62-5)

Persistence and degradability	Not rapidly degradable
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#### 4-Isocyanatosulphonyltoluene (4083-64-1)

Persistence and degradability	Not rapidly degradable
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#### 2,4'-Diphenylmethane Diisocyanate (MDI) (5873-54-1)

Persistence and degradability	Not rapidly degradable
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#### 2,2'-Diphenylmethane Diisocyanate (2536-05-2)

Persistence and degradability	Not rapidly degradable
-------------------------------	------------------------

#### Dimethyl Glutarate (1119-40-0)

Persistence and degradability	Rapidly degradable
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#### Dimethyl Adipate (627-93-0)

Persistence and degradability	Rapidly degradable
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#### Dimethyl Succinate (106-65-0)

Persistence and degradability	Rapidly degradable
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#### Diphenylmethane Diisocyanate, isomers and homologues (9016-87-9)

Persistence and degradability	Not rapidly degradable
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### 12.3. Bioaccumulative potential

#### Azo Grout 675

Bioaccumulative potential	Not established.
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#### Dimethyl Glutarate (1119-40-0)

Partition coefficient n-octanol/water (Log Pow)	0.62
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#### Dimethyl Adipate (627-93-0)

Partition coefficient n-octanol/water (Log Pow)	1.03
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#### Dimethyl Succinate (106-65-0)

Partition coefficient n-octanol/water (Log Pow)	0.35
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### 12.4. Mobility in soil

#### Dimethyl Adipate (627-93-0)

Mobility in soil	10.9
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### 12.5. Results of PBT and vPvB assessment

No additional information available.

### 12.6. Endocrine disrupting properties

No additional information available.

### 12.7. Other adverse effects

No additional information available.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Regional waste regulation	: Disposal must be done according to official regulations.
Waste treatment methods	: Dispose of contents/container in accordance with licensed collector's sorting instructions.
Sewage disposal recommendations	: Disposal must be done according to official regulations.
Product/Packaging disposal recommendations	: Disposal must be done according to official regulations. Refer to all applicable national, international and local regulations or provisions.
Additional information	: Do not re-use empty containers.
Ecological waste information	: Avoid release to the environment.

## SECTION 14: Transport information

In accordance with ADR / IMDG / IATA / ADN / RID

ADR	IMDG	IATA	ADN	RID
<b>14.1. UN number or ID number</b>				
Not regulated for transport				
<b>14.2. UN proper shipping name</b>				
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
<b>14.3. Transport hazard class(es)</b>				
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
<b>14.4. Packing group</b>				
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
<b>14.5. Environmental hazards</b>				
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
No supplementary information available				

### 14.6. Special precautions for user

#### Overland transport

Not regulated

#### Transport by sea

Not regulated

#### Air transport

Not regulated

#### Inland waterway transport

Not regulated

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### Rail transport

Not regulated

### 14.7. Maritime transport in bulk according to IMO instruments

Not applicable

## SECTION 15: Regulatory information

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

#### EU-Regulations

##### REACH Annex XVII (Restriction List)

Contains no substance(s) listed on REACH Annex XVII (Restriction Conditions)

##### REACH Annex XIV (Authorisation List)

Contains no substance(s) listed on REACH Annex XIV (Authorisation List)

##### REACH Candidate List (SVHC)

Contains no substance(s) listed on the REACH Candidate List

##### PIC Regulation (Prior Informed Consent)

Contains no substance(s) listed on the PIC list (Regulation EU 649/2012 concerning the export and import of hazardous chemicals)

##### POP Regulation (Persistent Organic Pollutants)

Contains no substance(s) listed on the POP list (Regulation EU 2019/1021 on persistent organic pollutants)

##### Ozone Regulation (1005/2009)

Contains no substance(s) listed on the Ozone Depletion list (Regulation EU 1005/2009 on substances that deplete the ozone layer)

##### Council Regulation (EC) for the control of dual-use items

Contains no substance subject to the COUNCIL REGULATION (EC) for the control of dual-use items

##### Explosives Precursors Regulation (2019/1148)

Contains no substance(s) listed on the Explosives Precursors list (Regulation EU 2019/1148 on the marketing and use of explosives precursors)

##### Drug Precursors Regulation (273/2004)

Contains no substance(s) listed on the Drug Precursors list (Regulation EC 273/2004 on the manufacture and the placing on market of certain substances used in the illicit manufacture of narcotic drugs and psychotropic substances)

#### National regulations

##### Germany

Employment restrictions : Observe restrictions according Act on the Protection of Working Mothers (MuSchG).  
Observe restrictions according Act on the Protection of Young People in Employment (JArbSchG).  
Water hazard class (WGK) : WGK 1, Slightly hazardous to water (Classification according to AwSV, Annex 1).  
Hazardous Incident Ordinance (12. BImSchV) : Is not subject to the Hazardous Incident Ordinance (12. BImSchV)

### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out

## SECTION 16: Other information

### Indication of changes

Section	Changed item	Comments
	Supersedes version of	<b>Added</b>
	Revision date	<b>Added</b>
3	Composition/information on ingredients	<b>Modified</b>

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## Safety Data Sheet

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### Abbreviations and acronyms:

ADN	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
ATE	Acute Toxicity Estimate
BCF	Bioconcentration factor
BLV	Biological limit value
BOD	Biochemical oxygen demand (BOD)
COD	Chemical oxygen demand (COD)
DMEL	Derived Minimal Effect level
DNEL	Derived-No Effect Level
EC-No.	European Community number
EC50	Median effective concentration
EN	European Standard
IARC	International Agency for Research on Cancer
IATA	International Air Transport Association
IMDG	International Maritime Dangerous Goods
LC50	Median lethal concentration
LD50	Median lethal dose
LOAEL	Lowest Observed Adverse Effect Level
NOAEC	No-Observed Adverse Effect Concentration
NOAEL	No-Observed Adverse Effect Level
NOEC	No-Observed Effect Concentration
OECD	Organisation for Economic Co-operation and Development
OEL	Occupational Exposure Limit
PBT	Persistent Bioaccumulative Toxic
PNEC	Predicted No-Effect Concentration
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail
SDS	Safety Data Sheet
STP	Sewage treatment plant
ThOD	Theoretical oxygen demand (ThOD)
TLM	Median Tolerance Limit
VOC	Volatile Organic Compounds
CAS-No.	Chemical Abstract Service number
N.O.S.	Not Otherwise Specified
vPvB	Very Persistent and Very Bioaccumulative
ED	Endocrine disrupting properties

Data sources : SDS prepared by CHEMTREC.



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Full text of H- and EUH-statements:	
Acute Tox. 2 (Inhalation)	Acute toxicity (inhal.), Category 2
Acute Tox. 4 (Inhalation)	Acute toxicity (inhal.), Category 4
Acute Tox. 4 (Inhalation:dust,mist)	Acute toxicity (inhalation:dust,mist) Category 4
Aquatic Chronic 3	Hazardous to the aquatic environment – Chronic Hazard, Category 3
Carc. 2	Carcinogenicity, Category 2
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H330	Fatal if inhaled.
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.
H412	Harmful to aquatic life with long lasting effects.
Resp. Sens. 1	Respiratory sensitisation, Category 1
Skin Irrit. 2	Skin corrosion/irritation, Category 2
Skin Sens. 1	Skin sensitisation, Category 1
STOT RE 2	Specific target organ toxicity – Repeated exposure, Category 2
STOT SE 3	Specific target organ toxicity – Single exposure, Category 3, Respiratory tract irritation

The classification complies with : ATP 12

Safety Data Sheet (SDS), EU

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.