

Safety Data Sheet

Section 1: Identification of the Substance/Mixture and of the Company/Undertaking

1.1 Product identifier

Product Name • AP Sealant

Part Number W563587078

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

Relevant identified use(s) • Construction Sealant

1.3 Details of the supplier of the safety data sheet

Manufacturer • Holcim Solutions and Products US, LLC
26 Century Boulevard, Suite 205, Nashville, Tennessee
37214

Telephone (General) • 800-428-4442

1.4 Emergency telephone number

Manufacturer • (800) 424-9300 - CHEMTREC

Manufacturer • (703) 527-3887 - CHEMTREC - International

Section 2: Hazards Identification

EU/EEC

According to: Regulation (EC) No 1272/2008 (CLP)/REACH 1907/2006 [amended by 453/2010]

According to: EU Directive 67/548/EEC (DSD) or 1999/45/EC (DPD)

2.1 Classification of the substance or mixture

CLP

- Skin Irritation 2 - H315
- Skin Sensitization 1 - H317
- Eye Irritation 2 - H319
- Acute Toxicity Inhalation 4 - H332
- Respiratory Sensitization 1 - H334
- Carcinogenicity 2 - H351

DSD/DPD

- Toxic (T)
- Irritant (Xi)
- Carcinogenic Substances - Category 3
- R23, R36/37/38, R40, R42/43

2.2 Label Elements

CLP

DANGER



Hazard 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
 H351 - Suspected of causing cancer.

Precautionary statements

- Prevention** • P201 - Obtain special instructions before use.
 P202 - Do not handle until all safety precautions have been read and understood.
 P261 - Avoid breathing mist/vapours/spray.
 P264 - Wash 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.
 P280 - Wear protective gloves/protective clothing/eye protection/face protection.
 P281 - Use personal protective equipment as required.
 P285 - In case of inadequate ventilation wear respiratory protection.
- Response** • P304+P341 - IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.
 P342+P311 - If experiencing respiratory symptoms: Call a POISON CENTER or doctor/physician.
 P312 - Call a POISON CENTER or doctor/physician if you feel unwell.
 P302+P352 - IF ON SKIN: Wash with plenty of soap and water.
 P362 - Take off contaminated clothing and wash before reuse.
 P333+P313 - If skin irritation or rash occurs: Get medical advice/attention.
 P321 - Specific treatment, see supplemental first aid information.
 P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 P337+P313 - If eye irritation persists: Get medical advice/attention.
 P308+P313 - IF exposed or concerned: Get medical advice/attention.

- Storage/Disposal** • P501 - Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.

- Supplemental information** • 11.5 percent of this product consists of an ingredient of unknown toxicity.

DSD/DPD



- Risk phrases** • R23 - Toxic by inhalation.
 R36/37/38 - Irritating to eyes, respiratory system and skin.
 R42/43 - May cause sensitisation by inhalation and skin contact.
 R40 - Limited evidence of a carcinogenic effect.

- Safety phrases** • S26 - In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
 S36 - Wear suitable protective clothing.
 S37 - Wear suitable gloves.
 S45 - In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).
 S53 - Avoid exposure - obtain special instructions before use.

2.3 Other Hazards

- CLP** • According to Regulation (EC) No. 1272/2008 (CLP) this material is considered hazardous.
- DSD/DPD** • According to European Directive 1999/45/EC this material is considered dangerous.

United States (US)

According to: OSHA 29 CFR 1910.1200 HCS

2.1 Classification of the substance or mixture

- OSHA HCS 2012** • Flammable Liquids 4
 Skin Irritation 2

Skin Sensitization 1
 Eye Irritation 2
 Acute Toxicity Inhalation 4
 Respiratory Sensitization 1
 Carcinogenicity 2
 Specific Target Organ Toxicity Repeated Exposure 2

2.2 Label elements

OSHA HCS 2012

DANGER



- Hazard statements**
- Combustible liquid
 - 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
 - Suspected of causing cancer.
 - May cause damage to organs - Liver/Kidneys through prolonged or repeated exposure

Precautionary statements

- Prevention**
- Obtain special instructions before use.
 - Do not handle until all safety precautions have been read and understood.
 - Keep away from heat, sparks, open flames and/or hot surfaces. - No smoking.
 - Do not breathe mist/vapours/spray.
 - Wash thoroughly after handling.
 - Use only outdoors or in a well-ventilated area.
 - Contaminated work clothing should not be allowed out of the workplace.
 - Wear protective gloves/protective clothing/eye protection/face protection.
 - In case of inadequate ventilation wear respiratory protection.
- Response**
- In case of fire: Use appropriate media for extinction.
 - IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.
 - If experiencing respiratory symptoms: Call a POISON CENTER or doctor/physician.
 - If on skin: Wash with plenty of water.
 - Take off contaminated clothing and wash before reuse.
 - If skin irritation or rash occurs: Get medical advice/attention.
 - Specific treatment, see supplemental first aid information.
 - IF IN EYES: 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.
 - IF exposed or concerned: Get medical advice/attention.
 - Get medical advice/attention if you feel unwell.
- Storage/Disposal**
- Store in a well-ventilated place. Keep cool.
 - Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.
- Supplemental information**
- 12.55 percent of this product consists of an ingredient of unknown toxicity.

2.3 Other hazards

OSHA HCS 2012

- Under United States Regulations (29 CFR 1910.1200 - Hazard Communication Standard), this product is considered hazardous.

Canada

According to: WHMIS

2.1 Classification of the substance or mixture

WHMIS

- Combustible Liquids - B3
- Very Toxic - D1A
- Other Toxic Effects - D2A
- Other Toxic Effects - D2B

2.2 Label elements**WHMIS****WHMIS**

- Combustible Liquids - B3
- Very Toxic - D1A
- Other Toxic Effects - D2A
- Other Toxic Effects - D2B

2.3 Other hazards**WHMIS**

- In Canada, the product mentioned above is considered hazardous under the Workplace Hazardous Materials Information System (WHMIS).

Section 3 - Composition/Information on Ingredients**3.1 Substances**

- Material does not meet the criteria of a substance in accordance with Regulation (EC) No 1272/2008.

3.2 Mixtures

| Composition | | | | | |
|---|---|------------------|---|--|--|
| Chemical Name | Identifiers | % | LD50/LC50 | Classifications According to Regulation/Directive | Comments |
| Limestone | CAS: 1317-65-3 EC Number: 215-279-6 | 10% TO 30% | NDA | EU DSD/DPD: Self Classified: Xn R48/20 EU CLP: Self Classified: STOT RE 2 (Lungs, Inhl), H373 OSHA HCS 2012: STOT RE 2 (Lungs, Inhl) | NDA |
| Titanium dioxide | CAS: 13463-67-7 EC Number: 236-675-5 | 3% TO 7% | NDA | EU DSD/DPD: Self Classified - Carc. Cat. 3 R40 EU CLP: Self Classified: Carc. 2, H351 OSHA HCS 2012: Carc. 2 | NDA |
| Talc | CAS: 14807-96-6 | 3% TO 7% | NDA | EU DSD/DPD: Self Classified: T R48/20 EU CLP: Self Classified: STOT RE 1 (Lungs, Inhl), H372 OSHA HCS 2012: STOT RE 1 (Lungs, Inhl) | NDA |
| 1,2-Benzenedicarboxylic acid, bis(2-propylheptyl) ester | CAS: 53306-54-0 EINECS: 258-469-4 | 3% TO 7% | NDA | EU DSD/DPD: Not Classified EU CLP: Not Classified OSHA HCS 2012: Not Classified | NDA |
| Stoddard solvent | CAS: 8052-41-3 EC Number: 232-489-3 | 1% TO 5% | Inhalation- Rat LC50 • >1400 ppm 8 Hour(s) | EU DSD/DPD: Annex VI, Table 3.2: Carc.Cat.2 R45 Muta.Cat.2 R46 Xn R65 EU CLP: Annex VI, Table 3.1: Muta. 1B, H340; Carc. 1B, H350; Asp. Tox. 1, H304 OSHA HCS 2012: Flam. Liq. 3; Eye Irrit. 2B; Skin Irrit. 2; STOT RE 2 (Liver, Kidneys); STOT SE 3: Narc.; Asp. Tox. 1 | Carcinogen and mutagen classifications do not apply because this ingredient contains less than 0.1% benzene. |

| | | | | | |
|-------------------------------------|--|------------------|-----|---|-----|
| Benzene, 2,6-diisocyanato-1-methyl- | CAS:91-08-7 EC Number:202-039-0 | 0.1% TO 1% | NDA | <p>EU DSD/DPD: Annex VI, Table 3.2: T+ R26 Xi R36/37/38 Carc.Cat.3 R40 R42/43 R52-53</p> <p>EU CLP: Annex VI, Table 3.1: Carc. 2, H351; Acute Tox. 2 *, H330; Eye Irrit. 2, H319; STOT SE 3: Resp. Irrit., H335; Skin Irrit. 2, H315; Resp. Sens. 1, H334; Skin Sens. 1, H317; Aquatic Chronic 3, H412</p> <p>OSHA HCS 2012: Carc. 2; Skin Sens. 1; Resp. Sens. 1; STOT SE 3: Resp. Irrit.; Skin Irrit. 2; Eye Irrit. 2</p> | NDA |
| Benzene, 2,4-diisocyanato-1-methyl- | CAS:584-84-9 EC Number:209-544-5 | <= 0.1% | NDA | <p>EU DSD/DPD: Annex VI, Table 3.2: T+ R26 Xi R36/37/38 Carc.Cat.3 R40 R42/43 R52-53</p> <p>EU CLP: Annex VI, Table 3.1: Carc. 2, H351; Acute Tox. 2, H330; Eye Irrit. 2, H319, ; STOT SE 3: Resp. Irrit., H335; Skin Irrit. 2, H315; Resp. Sens. 1, H334; Skin Sens. 1, H317; Aquatic Chronic 3, H412</p> <p>OSHA HCS 2012: Carc. 2; Skin Sens. 1; Resp. Sens. 1; Eye Irrit. 2; Skin Irrit. 2; Acute Tox. 1 (inhl); STOT SE 3: Resp. Irrit.</p> | NDA |

Section 4 - First Aid Measures

4.1 Description of first aid measures

Inhalation

- Move victim to fresh air. Administer oxygen if breathing is difficult. Give artificial respiration if victim is not breathing. Get medical attention immediately if symptoms occur.

Skin

- In case of contact with substance, immediately flush skin with running water for at least 20 minutes. Take off contaminated clothing and wash before reuse. If irritation develops and persists, get medical attention.

Eye

- In case of contact with substance, immediately flush eyes with running water for at least 20 minutes. If eye irritation persists: Get medical advice/attention.

Ingestion

- If swallowed, do NOT induce vomiting unless directed to do so by medical personnel. Rinse out mouth and then drink plenty of water.

4.2 Most important symptoms and effects, both acute and delayed

- Refer to Section 11 - Toxicological Information.

4.3 Indication of any immediate medical attention and special treatment needed

Notes to Physician

- All treatments should be based on observed signs and symptoms of distress in the patient. Consideration should be given to the possibility that overexposure to materials other than this product may have occurred.

Section 5 - Firefighting Measures

5.1 Extinguishing media

Suitable Extinguishing Media • Carbon dioxide, dry chemical, dry sand, foam, water spray.

Unsuitable Extinguishing Media • Water with full jet.

5.2 Special hazards arising from the substance or mixture

Unusual Fire and Explosion Hazards • Vapors may form explosive mixtures with air. Vapors may travel to source of ignition and flash back.

Most vapors are heavier than air. They will spread along ground and collect in low or confined areas (sewers, basements, tanks).
 Vapor explosion hazard indoors, outdoors or in sewers.
 Runoff to sewer may create fire or explosion hazard.
 Containers may explode when heated.

Hazardous Combustion Products

- carbon dioxide, carbon monoxide, harmful vapours, nitrogen oxides, fumes/smoke, carbon black.

5.3 Advice for firefighters

- Structural firefighters' protective clothing provides limited protection in fire situations ONLY; it is not effective in spill situations where direct contact with the substance is possible.
 Wear positive pressure self-contained breathing apparatus (SCBA).

Section 6 - Accidental Release Measures

6.1 Personal precautions, protective equipment and emergency procedures

Personal Precautions

- Keep unauthorized personnel away. Ventilate enclosed areas. Do not walk through spilled material. Do not breath mist/vapours/spray. Wear appropriate personal protective equipment.

Emergency Procedures

- As an immediate precautionary measure, isolate spill or leak area for at least 50 meters (150 feet) in all directions. Stay upwind. Keep out of low areas. Keep unauthorized personnel away. Ventilate closed spaces before entering.

6.2 Environmental precautions

- Prevent entry into waterways and sewers.

6.3 Methods and material for containment and cleaning up

Containment/Clean-up Measures

- ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area).
 All equipment used when handling the product must be grounded.
 Stop leak if you can do it without risk.
 Prevent entry into waterways, sewers, basements or confined areas.
 A vapor suppressing foam may be used to reduce vapors.
 Absorb or cover with dry earth, sand or other non-combustible material and transfer to containers.
 Use clean non-sparking tools to collect absorbed material.
 Sweep/shovel up. Dispose of absorbed material in accordance with regulations.

6.4 Reference to other sections

- Refer to Section 8 - Exposure Controls/Personal Protection and Section 13 - Disposal Considerations.

Section 7 - Handling and Storage

7.1 Precautions for safe handling

Handling

- Keep away from fire - No Smoking. Keep away from heat, sparks and open flame. Use only with adequate ventilation. Avoid contact with eyes, skin and clothing. Do not breath mist/vapours/spray. Wear appropriate personal protective equipment, avoid direct contact.

7.2 Conditions for safe storage, including any incompatibilities

Storage

- Keep container tightly closed. Store in a cool, dry, well-ventilated place.

7.3 Specific end use(s)

- Refer to Section 1.2 - Relevant identified uses.

Section 8 - Exposure Controls/Personal Protection

8.1 Control parameters

| Exposure Limits/Guidelines | | | | | | |
|--|----------|---|--|--------------------------------------|--------------------------------------|--|
| | Result | ACGIH | Australia | Belgium | Canada Alberta | Canada British Columbia |
| Benzene, 2,4-diisocyanato-1-methyl- (584-84-9) | STELs | 0.02 ppm STEL | Not established | 0.02 ppm STEL; 0.14 mg/m3 STEL | Not established | Not established |
| | TWAs | 0.005 ppm TWA | Not established | 0.005 ppm TWA; 0.037 mg/m3 TWA | 0.005 ppm TWA; 0.04 mg/m3 TWA | 0.005 ppm TWA |
| | Ceilings | Not established | Not established | Not established | 0.02 ppm Ceiling; 0.1 mg/m3 Ceiling | 0.01 ppm Ceiling |
| Benzene, 2,6-diisocyanato-1-methyl- (91-08-7) | STELs | 0.02 ppm STEL | Not established | 0.02 ppm STEL; 0.14 mg/m3 STEL | Not established | Not established |
| | TWAs | 0.005 ppm TWA | Not established | 0.005 ppm TWA; 0.037 mg/m3 TWA | 0.005 ppm TWA; 0.04 mg/m3 TWA | 0.005 ppm TWA |
| | Ceilings | Not established | Not established | Not established | 0.02 ppm Ceiling; 0.1 mg/m3 Ceiling | 0.01 ppm Ceiling |
| Stoddard solvent (8052-41-3) | TWAs | 100 ppm TWA | 790 mg/m3 TWA | 100 ppm TWA; 533 mg/m3 TWA | 100 ppm TWA; 572 mg/m3 TWA | 290 mg/m3 TWA |
| | STELs | Not established | Not established | Not established | Not established | 580 mg/m3 STEL |
| Talc (14807-96-6) | TWAs | 2 mg/m3 TWA (particulate matter containing no asbestos and <1% crystalline silica, respirable fraction) | 2.5 mg/m3 TWA (containing no asbestos fibers) | 2 mg/m3 TWA | 2 mg/m3 TWA (respirable particulate) | 2 mg/m3 TWA (particulate matter containing no Asbestos and <1% Crystalline silica, respirable particulate) |
| Titanium dioxide (13463-67-7) | TWAs | 10 mg/m3 TWA | 10 mg/m3 TWA (containing no asbestos and <1% crystalline silica, inhalable dust) | 10 mg/m3 TWA | 10 mg/m3 TWA | 10 mg/m3 TWA (total dust); 3 mg/m3 TWA (respirable fraction) |
| Limestone (1317-65-3) | TWAs | Not established | Not established | 10 mg/m3 TWA | 10 mg/m3 TWA | 10 mg/m3 TWA (total dust); 3 mg/m3 TWA (respirable fraction) |
| | STELs | Not established | Not established | Not established | Not established | 20 mg/m3 STEL |
| Exposure Limits/Guidelines (Con't.) | | | | | | |
| | Result | Canada Manitoba | Canada New Brunswick | Canada Northwest Territories | Canada Nova Scotia | Canada Nunavut |
| Benzene, 2,4-diisocyanato-1-methyl- (584-84-9) | STELs | 0.02 ppm STEL | 0.02 ppm STEL; 0.14 mg/m3 STEL | Not established | 0.02 ppm STEL | Not established |
| | TWAs | 0.005 ppm TWA | 0.005 ppm TWA; 0.036 mg/m3 TWA | Not established | 0.005 ppm TWA | Not established |
| | Ceilings | Not established | Not established | 0.02 ppm Ceiling; 0.14 mg/m3 Ceiling | Not established | 0.02 ppm Ceiling; 0.14 mg/m3 Ceiling |
| Benzene, 2,6-diisocyanato-1-methyl- (91-08-7) | STELs | 0.02 ppm STEL | Not established | Not established | 0.02 ppm STEL | Not established |
| | TWAs | 0.005 ppm TWA | Not established | Not established | 0.005 ppm TWA | Not established |
| Stoddard solvent | TWAs | 100 ppm TWA | 100 ppm TWA; 525 mg/m3 TWA | 100 ppm TWA; 575 mg/m3 TWA | 100 ppm TWA | 100 ppm TWA; 575 mg/m3 TWA |

| | | | | | | |
|-------------------------------|-------|---|---|--|---|--|
| (8052-41-3) | STELs | Not established | Not established | 125 ppm STEL; 720 mg/m3 STEL | Not established | 125 ppm STEL; 720 mg/m3 STEL |
| Talc (14807-96-6) | TWAs | 2 mg/m3 TWA (particulate matter containing no Asbestos and <1% Crystalline silica, respirable fraction) | 2 mg/m3 TWA (particulate matter containing no Asbestos and <1% Crystalline silica, respirable fraction) | 3 mg/m3 TWA (respirable mass); 6 mg/m3 TWA (total mass) | 2 mg/m3 TWA (respirable fraction, particulate matter containing no Asbestos and <1% Crystalline silica) | 3 mg/m3 TWA (respirable mass); 6 mg/m3 TWA (total mass) |
| Titanium dioxide (13463-67-7) | TWAs | 10 mg/m3 TWA | 10 mg/m3 TWA | 5 mg/m3 TWA (respirable mass); 10 mg/m3 TWA (total mass) | 10 mg/m3 TWA | 5 mg/m3 TWA (respirable mass); 10 mg/m3 TWA (total mass) |
| Limestone (1317-65-3) | TWAs | Not established | 10 mg/m3 TWA (particulate matter containing no Asbestos and <1% Crystalline silica) | 5 mg/m3 TWA (respirable mass); 10 mg/m3 TWA (total mass) | Not established | 5 mg/m3 TWA (respirable mass); 10 mg/m3 TWA (total mass) |

Exposure Limits/Guidelines (Con't.)

| | Result | Canada Ontario | Canada Quebec | Canada Saskatchewan | Canada Yukon | Denmark |
|--|----------|---|-----------------|---------------------|--------------------------------------|--------------------------------|
| Benzene, 2,4-diisocyanato-1-methyl- (584-84-9) | TWAs | 0.005 ppm TWA (designated substances regulation, listed under Isocyanates, organic compounds); 0.005 ppm TWA (applies to workplaces to which the designated substances regulation does not apply) | Not established | 0.005 ppm TWA | Not established | 0.005 ppm TWA; 0.035 mg/m3 TWA |
| | Ceilings | 0.02 ppm Ceiling (designated substances regulation, listed under Isocyanates, organic compounds) | Not established | Not established | 0.02 ppm Ceiling; 0.14 mg/m3 Ceiling | Not established |
| | STELs | 0.02 ppm STEL | Not established | Not established | Not established | Not established |
| Benzene, 2,6-diisocyanato-1-methyl- (91-08-7) | TWAs | 0.005 ppm TWA (designated substances regulation, listed under Isocyanates, organic compounds); 0.005 ppm TWA (applies to workplaces to which the designated substances regulation does not apply) | Not established | 0.005 ppm TWA | Not established | 0.005 ppm TWA; 0.035 mg/m3 TWA |
| | Ceilings | 0.02 ppm Ceiling (designated substances regulation, listed | Not established | Not established | Not established | Not established |

| | | | | | | |
|-------------------------------|-------|---|---|-----------------------------------|--|---|
| | | under Isocyanates, organic compounds) | | | | |
| | STELs | 0.02 ppm STEL | Not established | Not established | Not established | Not established |
| Stoddard solvent (8052-41-3) | TWAs | 525 mg/m3 TWA (140°C Flash aliphatic solvent) | 100 ppm TWAEV; 525 mg/m3 TWAEV | 100 ppm TWA | 100 ppm TWA; 575 mg/m3 TWA | 25 ppm TWA (= <20% Aromatic compounds); 145 mg/m3 TWA (= <20% Aromatic compounds) |
| | STELs | Not established | Not established | Not established | 150 ppm STEL; 720 mg/m3 STEL | Not established |
| Talc (14807-96-6) | TWAs | 2 mg/m3 TWA (containing no Asbestos and <1% Crystalline silica, respirable) | 3 mg/m3 TWAEV (respirable dust) | 2 mg/m3 TWA (respirable fraction) | 20 mppcf TWA | 0.3 fiber/cm3 TWA (containing fibers) |
| Titanium dioxide (13463-67-7) | TWAs | 10 mg/m3 TWA | 10 mg/m3 TWAEV (containing no Asbestos and <1% Crystalline silica, total dust) | 10 mg/m3 TWA | 30 mppcf TWA (as Ti); 10 mg/m3 TWA (as Ti) | 6 mg/m3 TWA (as Ti) |
| | STELs | Not established | Not established | Not established | 20 mg/m3 STEL (as Ti) | Not established |
| Limestone (1317-65-3) | TWAs | Not established | 10 mg/m3 TWAEV (Limestone, containing no Asbestos and <1% Crystalline silica, total dust) | 10 mg/m3 TWA | 30 mppcf TWA; 10 mg/m3 TWA | Not established |
| | STELs | Not established | Not established | Not established | 20 mg/m3 STEL | Not established |

Exposure Limits/Guidelines (Con't.)

| | Result | Germany TRGS | NIOSH | OSHA |
|--|----------|--|--|--|
| Benzene, 2,4-diisocyanato-1-methyl- (584-84-9) | Ceilings | Not established | Not established | 0.02 ppm Ceiling; 0.14 mg/m3 Ceiling |
| | TWAs | 0.005 ppm TWA AGW (ceiling factor 4, exposure factor 1); 0.035 mg/m3 TWA AGW (ceiling factor 4, exposure factor 1) | Not established | Not established |
| Benzene, 2,6-diisocyanato-1-methyl- (91-08-7) | TWAs | 0.005 ppm TWA AGW (ceiling factor 4, exposure factor 1); 0.035 mg/m3 TWA AGW (ceiling factor 4, exposure factor 1) | Not established | Not established |
| Stoddard solvent (8052-41-3) | TWAs | Not established | 350 mg/m3 TWA | 500 ppm TWA; 2900 mg/m3 TWA |
| | Ceilings | Not established | 1800 mg/m3 Ceiling (15 min) | Not established |
| Talc (14807-96-6) | TWAs | Not established | 2 mg/m3 TWA (containing no Asbestos and <1% Quartz, respirable dust) | Not established |
| Titanium dioxide (13463-67-7) | TWAs | Not established | Not established | 15 mg/m3 TWA (total dust) |
| Limestone (1317-65-3) | TWAs | Not established | 10 mg/m3 TWA (total dust); 5 mg/m3 TWA (respirable dust) | 15 mg/m3 TWA (total dust); 5 mg/m3 TWA (respirable fraction) |

Exposure Control Notations

Germany DFG

- Talc (14807-96-6): **Carcinogens:** (Category 3B (could be carcinogenic for man, free of asbestos fibers))
- Titanium dioxide (13463-67-7): **Carcinogens:** (Category 3A (could be carcinogenic for man, inhalable fraction with the exception of ultra small particles))
- Benzene, 2,6-diisocyanato-1-methyl- (91-08-7): **Carcinogens:** (Category 3A (could be carcinogenic for man)) | **Sensitizers:** (respiratory sensitizer)
- Benzene, 2,4-diisocyanato-1-methyl- (584-84-9): **Carcinogens:** (Category 3A (could be carcinogenic for man)) | **Sensitizers:** (respiratory sensitizer)

8.2 Exposure controls

Engineering Measures/Controls

- This sealant is designed to be used outdoors, in roofing applications. Good general ventilation should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level.

Personal Protective Equipment

Respiratory

- Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Use a NIOSH or European Standard EN 149 approved respirator if exposure limits are exceeded or symptoms are experienced.

Eye/Face

- Wear chemical splash safety goggles.

Skin/Body

- Wear appropriate chemical resistant gloves.

Environmental Exposure Controls

- In case of spills, keep product clear of sewers, waterways or land areas. Dispose of waste product in accordance with national and local laws and regulations.

Key to abbreviations

ACGIH = American Conference of Governmental Industrial Hygiene

STEL = Short Term Exposure Limits are based on 15-minute exposures

NIOSH = National Institute of Occupational Safety and Health

TWAEV = Time-Weighted Average Exposure Value

OSHA = Occupational Safety and Health Administration

TWA = Time-Weighted Averages are based on 8h/day, 40h/week exposures

Section 9 - Physical and Chemical Properties

9.1 Information on Basic Physical and Chemical Properties

| Material Description | | | |
|-------------------------------------|-----------------|------------------------------|-------------------------------------|
| Physical Form | Liquid | Appearance/Description | Pigmented paste with a slight odor. |
| Color | Pigmented | Odor | Slight |
| Odor Threshold | Data lacking | | |
| General Properties | | | |
| Boiling Point | Data lacking | Melting Point/Freezing Point | Data lacking |
| Decomposition Temperature | Data lacking | pH | Data lacking |
| Specific Gravity/Relative Density | = 1.2 Water=1 | Density | Data lacking |
| Water Solubility | Insoluble | Viscosity | Data lacking |
| Explosive Properties | Data lacking | Oxidizing Properties: | Data lacking |
| Volatility | | | |
| Vapor Pressure | Data lacking | Vapor Density | Data lacking |
| Evaporation Rate | Data lacking | | |
| Flammability | | | |
| Flash Point | 89 °C(192.2 °F) | UEL | Data lacking |
| LEL | Data lacking | Autoignition | Data lacking |
| Flammability (solid, gas) | Not relevant. | | |
| Environmental | | | |
| Octanol/Water Partition coefficient | Data lacking | | |

9.2 Other Information

- No additional physical and chemical parameters noted.

Section 10: Stability and Reactivity

10.1 Reactivity

- No dangerous reaction known under conditions of normal use.

10.2 Chemical stability

- Stable under normal temperatures and pressures.

10.3 Possibility of hazardous reactions

- Hazardous polymerization will not occur.

10.4 Conditions to avoid

- Excess heat. Keep away from sources of ignition – No Smoking.

10.5 Incompatible materials

- This product will react with strong oxidizing agents, reducing agents, strong acids and bases.

10.6 Hazardous decomposition products

- Material does not decompose under normal working conditions.

Section 11 - Toxicological Information

11.1 Information on toxicological effects

| | | Components |
|---|------------|---|
| Limestone (10% TO 30%) | 1317-65-3 | Multi-dose Toxicity: Inhalation-Rat TCLo • 84 mg/m ³ 4 Hour(s) 40 Week(s)-Intermittent; <i>Lungs, Thorax, or Respiration:Fibrosis (interstitial); Liver:Other changes; Kidney, Ureter, and Bladder:Other changes;</i> Inhalation-Rat TCLo • 250 mg/m ³ 2 Hour(s) 24 Week(s)-Intermittent; <i>Lungs, Thorax, or Respiration:Fibrosis, focal (pneumoconiosis)</i> |
| Talc (3% TO 7%) | 14807-96-6 | Irritation: Skin-Human • 300 µg 3 Day(s)-Intermittent • Mild irritation; Multi-dose Toxicity: Inhalation-Rat TCLo • 17 mg/m ³ 6 Hour(s) 26 Day(s)-Intermittent; <i>Lungs, Thorax, or Respiration:Other changes;</i> Tumorigen / Carcinogen: Inhalation-Rat TCLo • 18 mg/m ³ 6 Hour(s) 2 Year(s)-Intermittent; <i>Tumorigenic:Carcinogenic by RTECS criteria; Lungs, Thorax, or Respiration:Bronchiogenic carcinoma; Endocrine:Tumors</i> |
| Titanium dioxide (3% TO 7%) | 13463-67-7 | Irritation: Skin-Human • 300 µg 3 Day(s)-Intermittent • Mild irritation; Multi-dose Toxicity: Inhalation-Rat TCLo • 250 mg/m ³ 6 Hour(s) 4 Week(s)-Intermittent; <i>Lungs, Thorax, or Respiration:Chronic pulmonary edema; Lungs, Thorax, or Respiration:Other changes</i> |
| Stoddard solvent (1% TO 5%) | 8052-41-3 | Irritation: Eye-Human • 100 ppm • Mild irritation; Multi-dose Toxicity: Inhalation-Rat TCLo • 330 ppm 65 Day(s)-Intermittent; <i>Kidney, Ureter, and Bladder:Changes in tubules (including acute renal failure, acute tubular necrosis); Blood:Other changes</i> |
| Benzene, 2,4-diisocyanato-1-methyl- (<= 0.1%) | 584-84-9 | Acute Toxicity: Ingestion/Oral-Rat LD50 • 5800 mg/kg; <i>Gastrointestinal:Other changes;</i> Inhalation-Rat LC50 • 14 ppm 4 Hour(s); <i>Sense Organs and Special Senses:Eye:Lacrimation; Behavioral:Excitement; Lungs, Thorax, or Respiration:Dyspnea;</i> Skin-Rabbit LD50 • >16 mL/kg; Irritation: Eye-Rabbit • 100 mg • Severe irritation; Skin-Rabbit • 500 mg-Open • Severe irritation; Multi-dose Toxicity: Ingestion/Oral-Rat TDLo • 15 g/kg 10 Day(s)-Intermittent; <i>Gastrointestinal:Other changes; Liver:Other changes; Related to Chronic Data:Death in the Other Multiple Dose data type field;</i> Inhalation-Rat TCLo • 26 ppm 6 Hour(s) 5 Week(s)-Intermittent; <i>Lungs, Thorax, or Respiration:Structural or functional change in trachea or bronchi; Lungs, Thorax, or Respiration:Chronic pulmonary edema; Related to Chronic Data:Death in the Other Multiple Dose data type field;</i> Mutagen: Micronucleus test • Inhalation-Rat • 0.05 ppm 6 Hour(s) 4 Week(s) |

| GHS Properties | Classification |
|-------------------------------|--|
| Acute toxicity | EU/CLP • Acute Toxicity - Inhalation 4 - ATEmix(inh)= 12016 ppm OSHA HCS 2012 • Acute Toxicity - Inhalation 4 - ATEmix (inh)=12250ppm |
| Skin corrosion/Irritation | EU/CLP • Skin Irritation 2 OSHA HCS 2012 • Skin Irritation 2 |
| Serious eye damage/Irritation | EU/CLP • Eye Irritation 2 OSHA HCS 2012 • Eye Irritation 2 |
| Skin sensitization | EU/CLP • Skin Sensitizer 1 OSHA HCS 2012 • Skin Sensitizer 1 |
| Respiratory sensitization | EU/CLP • Respiratory Sensitizer 1 OSHA HCS 2012 • Respiratory Sensitizer 1 |
| Aspiration Hazard | EU/CLP • Data lacking OSHA HCS 2012 • Data lacking |
| Carcinogenicity | EU/CLP • Carcinogenicity 2 OSHA HCS 2012 • Carcinogenicity 2 |
| Germ Cell Mutagenicity | EU/CLP • Data lacking OSHA HCS 2012 • Data lacking |
| Toxicity for Reproduction | EU/CLP • Data lacking OSHA HCS 2012 • Data lacking |
| STOT-SE | EU/CLP • Data lacking OSHA HCS 2012 • Data lacking |
| STOT-RE | EU/CLP • Data lacking OSHA HCS 2012 • Specific Target Organ Toxicity Repeated Exposure 2 |

Potential Health Effects

Inhalation

- Acute (Immediate)** • Harmful if inhaled. May cause respiratory irritation.
- Chronic (Delayed)** • May cause allergy or asthma symptoms or breathing difficulties if inhaled.

Skin

- Acute (Immediate)** • Causes skin irritation. May cause skin sensitization. Symptoms include redness and skin rash.
- Chronic (Delayed)** • No data available.

Eye

- Acute (Immediate)** • Causes serious eye irritation.
- Chronic (Delayed)** • No data available.

Ingestion

- Acute (Immediate)** • Ingestion can cause gastrointestinal irritation, nausea, vomiting and diarrhea.
- Chronic (Delayed)** • Not a likely route of exposure.

Other

- Chronic (Delayed)** • Prolonged or repeated exposure may cause damage to liver and kidneys.

Carcinogenic Effects

- May cause cancer.

| Carcinogenic Effects | | |
|----------------------|------|-----|
| CAS | IARC | NTP |
| | | |

| | | | |
|-------------------------------------|------------|------------------------------|-----------------------------|
| Benzene, 2,4-diisocyanato-1-methyl- | 584-84-9 | Group 2B-Possible Carcinogen | Not Listed |
| Benzene, 2,6-diisocyanato-1-methyl- | 91-08-7 | Group 2B-Possible Carcinogen | Not Listed |
| Titanium dioxide | 13463-67-7 | Group 2B-Possible Carcinogen | Evidence of Carcinogenicity |

Key to abbreviations

LC = Lethal Concentration

LD = Lethal Dose

TC = Toxic Concentration

Section 12 - Ecological Information

12.1 Toxicity

- Acutely harmful for aquatic organisms. May cause long-term adverse effects in the aquatic environment.

12.2 Persistence and degradability

- Poorly biodegradable. The product is unstable in water. The elimination data also refer to products of hydrolysis.

12.3 Bioaccumulative potential

- Material data lacking.

12.4 Mobility in Soil

- Adsorption to solid soil phase is not expected.

12.5 Results of PBT and vPvB assessment

- No PBT and vPvB assessment has been conducted.

12.6 Other adverse effects

- No studies have been found.

Section 13 - Disposal Considerations

13.1 Waste treatment methods

Product waste

- Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.

Packaging waste

- Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.

Section 14 - Transport Information

| | 14.1 UN number | 14.2 UN proper shipping name | 14.3 Transport hazard class(es) | 14.4 Packing group | 14.5 Environmental hazards |
|----------|----------------|------------------------------|---------------------------------|--------------------|----------------------------|
| DOT | NDA | Not Regulated | NDA | NDA | NDA |
| TDG | NDA | Not Regulated | NDA | NDA | NDA |
| IMO/IMDG | NDA | Not Regulated | NDA | NDA | NDA |
| ADN | NDA | Not Regulated | NDA | NDA | NDA |
| ADR/RID | NDA | Not Regulated | NDA | NDA | NDA |

| | | | | | |
|-----------|-----|---------------|-----|-----|-----|
| IATA/ICAO | NDA | Not Regulated | NDA | NDA | NDA |
|-----------|-----|---------------|-----|-----|-----|

14.6 Special precautions for user • None specified.

14.7 Transport in bulk according to Annex II of Marpol and the IBC Code • Data lacking.

Section 15 - Regulatory Information

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

SARA Hazard Classifications • Acute, Chronic, Fire

| State Right To Know | | | | |
|---|------------|-----|-----|-----|
| Component | CAS | MA | NJ | PA |
| 1,2-Benzenedicarboxylic acid, bis(2-propylheptyl) ester | 53306-54-0 | No | No | No |
| Benzene, 2,4-diisocyanato-1-methyl- | 584-84-9 | Yes | Yes | Yes |
| Benzene, 2,6-diisocyanato-1-methyl- | 91-08-7 | Yes | Yes | Yes |
| Limestone | 1317-65-3 | Yes | Yes | Yes |
| Stoddard solvent | 8052-41-3 | Yes | Yes | Yes |
| Talc | 14807-96-6 | Yes | Yes | Yes |
| Titanium dioxide | 13463-67-7 | Yes | Yes | Yes |

| Inventory | | | | | | |
|---|------------|------------|-------------|-----------|-----------|------|
| Component | CAS | Canada DSL | Canada NDSL | EU EINECS | EU ELNICS | TSCA |
| 1,2-Benzenedicarboxylic acid, bis(2-propylheptyl) ester | 53306-54-0 | Yes | No | Yes | No | Yes |
| Benzene, 2,4-diisocyanato-1-methyl- | 584-84-9 | Yes | No | Yes | No | Yes |
| Benzene, 2,6-diisocyanato-1-methyl- | 91-08-7 | Yes | No | Yes | No | Yes |
| Limestone | 1317-65-3 | No | Yes | Yes | No | Yes |
| Stoddard solvent | 8052-41-3 | Yes | No | Yes | No | Yes |
| Talc | 14807-96-6 | Yes | No | Yes | No | Yes |
| Titanium dioxide | 13463-67-7 | Yes | No | Yes | No | Yes |

Belgium

Labor

Belgium - Substances and Preparations - Carcinogens and Mutagens

| | | |
|---|------------|------------|
| • Benzene, 2,4-diisocyanato-1-methyl- | 584-84-9 | Not Listed |
| • Benzene, 2,6-diisocyanato-1-methyl- | 91-08-7 | Not Listed |
| • Stoddard solvent | 8052-41-3 | Not Listed |
| • Talc | 14807-96-6 | Not Listed |
| • Titanium dioxide | 13463-67-7 | Not Listed |
| • Limestone | 1317-65-3 | Not Listed |
| • 1,2-Benzenedicarboxylic acid, bis(2-propylheptyl) ester | 53306-54-0 | Not Listed |

Bulgaria

Environment

Bulgaria - Air Quality - Maximum Admissible Hazardous Contaminant Levels - 24 Hour

| | | |
|---|------------|------------|
| • Benzene, 2,4-diisocyanato-1-methyl- | 584-84-9 | Not Listed |
| • Benzene, 2,6-diisocyanato-1-methyl- | 91-08-7 | Not Listed |
| • Stoddard solvent | 8052-41-3 | Not Listed |
| • Talc | 14807-96-6 | Not Listed |
| • Titanium dioxide | 13463-67-7 | Not Listed |
| • Limestone | 1317-65-3 | Not Listed |
| • 1,2-Benzenedicarboxylic acid, bis(2-propylheptyl) ester | 53306-54-0 | Not Listed |

Bulgaria - Air Quality - Maximum Admissible Hazardous Contaminant Levels - 30 Minute

| | | |
|---|------------|------------|
| • Benzene, 2,4-diisocyanato-1-methyl- | 584-84-9 | Not Listed |
| • Benzene, 2,6-diisocyanato-1-methyl- | 91-08-7 | Not Listed |
| • Stoddard solvent | 8052-41-3 | Not Listed |
| • Talc | 14807-96-6 | Not Listed |
| • Titanium dioxide | 13463-67-7 | Not Listed |
| • Limestone | 1317-65-3 | Not Listed |
| • 1,2-Benzenedicarboxylic acid, bis(2-propylheptyl) ester | 53306-54-0 | Not Listed |

Bulgaria - Air Quality - Maximum Admissible Hazardous Contaminant Levels - Annual

| | | |
|---|------------|------------|
| • Benzene, 2,4-diisocyanato-1-methyl- | 584-84-9 | Not Listed |
| • Benzene, 2,6-diisocyanato-1-methyl- | 91-08-7 | Not Listed |
| • Stoddard solvent | 8052-41-3 | Not Listed |
| • Talc | 14807-96-6 | Not Listed |
| • Titanium dioxide | 13463-67-7 | Not Listed |
| • Limestone | 1317-65-3 | Not Listed |
| • 1,2-Benzenedicarboxylic acid, bis(2-propylheptyl) ester | 53306-54-0 | Not Listed |

Canada

Labor

Canada - WHMIS - Classifications of Substances

| | | |
|---|------------|---|
| • Benzene, 2,4-diisocyanato-1-methyl- | 584-84-9 | D1A, D2A, D2B |
| • Benzene, 2,6-diisocyanato-1-methyl- | 91-08-7 | D1A, D2A, D2B |
| • Stoddard solvent | 8052-41-3 | B3, D2B |
| • Talc | 14807-96-6 | D2A |
| • Titanium dioxide | 13463-67-7 | D2A (In certain cases, this classification does not apply. For more information, consult the section Substance Specific Issues - Titanium dioxide, mixture containing on Health Canada's WHMIS Division website.) |
| • Limestone | 1317-65-3 | D2A |
| • 1,2-Benzenedicarboxylic acid, bis(2-propylheptyl) ester | 53306-54-0 | Not Listed |

Canada - WHMIS - Ingredient Disclosure List

| | | |
|---|------------|------------|
| • Benzene, 2,4-diisocyanato-1-methyl- | 584-84-9 | 0.1 % |
| • Benzene, 2,6-diisocyanato-1-methyl- | 91-08-7 | 0.1 % |
| • Stoddard solvent | 8052-41-3 | 1 % |
| • Talc | 14807-96-6 | Not Listed |
| • Titanium dioxide | 13463-67-7 | Not Listed |
| • Limestone | 1317-65-3 | Not Listed |
| • 1,2-Benzenedicarboxylic acid, bis(2-propylheptyl) ester | 53306-54-0 | Not Listed |

Environment**Canada - CEPA - Priority Substances List**

| | | |
|---|------------|------------|
| • Benzene, 2,4-diisocyanato-1-methyl- | 584-84-9 | Not Listed |
| • Benzene, 2,6-diisocyanato-1-methyl- | 91-08-7 | Not Listed |
| • Stoddard solvent | 8052-41-3 | Not Listed |
| • Talc | 14807-96-6 | Not Listed |
| • Titanium dioxide | 13463-67-7 | Not Listed |
| • Limestone | 1317-65-3 | Not Listed |
| • 1,2-Benzenedicarboxylic acid, bis(2-propylheptyl) ester | 53306-54-0 | Not Listed |

Denmark**Environment****Denmark - List of Undesirable Substances - Product Groups/Function**

| | | |
|---|------------|--|
| • Benzene, 2,4-diisocyanato-1-methyl- | 584-84-9 | Curing agents; Fillers; Raw materials |
| • Benzene, 2,6-diisocyanato-1-methyl- | 91-08-7 | Curing agents; Fillers; Raw materials |
| • Stoddard solvent | 8052-41-3 | Solvents in a wide range of products including paints and coatings, dyes (listed under Certain oils and Coal-derived substances) |
| • Talc | 14807-96-6 | Not Listed |
| • Titanium dioxide | 13463-67-7 | Not Listed |
| • Limestone | 1317-65-3 | Not Listed |
| • 1,2-Benzenedicarboxylic acid, bis(2-propylheptyl) ester | 53306-54-0 | Not Listed |

Europe**Other****EU - CLP (1272/2008) - Annex VI - Table 3.2 - Classification**

| | | |
|---|------------|--|
| • Benzene, 2,4-diisocyanato-1-methyl- | 584-84-9 | T+; R26 Xi; R36/37/38 Carc.Cat.3; R40 R42/43 R52-53 |
| • Benzene, 2,6-diisocyanato-1-methyl- | 91-08-7 | T+; R26 Xi; R36/37/38 Carc.Cat.3; R40 R42/43 R52-53 |
| • Stoddard solvent | 8052-41-3 | Carc.Cat.2; R45 Muta.Cat.2; R46 Xn; R65 |
| • Talc | 14807-96-6 | Not Listed |
| • Titanium dioxide | 13463-67-7 | Not Listed |
| • Limestone | 1317-65-3 | Not Listed |
| • 1,2-Benzenedicarboxylic acid, bis(2-propylheptyl) ester | 53306-54-0 | Not Listed |

EU - CLP (1272/2008) - Annex VI - Table 3.2 - Concentration Limits

| | | |
|---------------------------------------|----------|---------------|
| • Benzene, 2,4-diisocyanato-1-methyl- | 584-84-9 | 0.1%<=C: R:42 |
|---------------------------------------|----------|---------------|

| | | |
|---|------------|--------------|
| • Benzene, 2,6-diisocyanato-1-methyl- | 91-08-7 | 0.1%≤C: R:42 |
| • Stoddard solvent | 8052-41-3 | Not Listed |
| • Talc | 14807-96-6 | Not Listed |
| • Titanium dioxide | 13463-67-7 | Not Listed |
| • Limestone | 1317-65-3 | Not Listed |
| • 1,2-Benzenedicarboxylic acid, bis(2-propylheptyl) ester | 53306-54-0 | Not Listed |

EU - CLP (1272/2008) - Annex VI - Table 3.2 - Labelling

| | | |
|---|------------|--|
| • Benzene, 2,4-diisocyanato-1-methyl- | 584-84-9 | T+ R:26-36/37/38-40-42/43-52/53 S:(1/2)-23-36/37-45-61 |
| • Benzene, 2,6-diisocyanato-1-methyl- | 91-08-7 | T+ R:26-36/37/38-40-42/43-52/53 S:(1/2)-23-36/37-45-61 |
| • Stoddard solvent | 8052-41-3 | T R:45-46-65 S:53-45 |
| • Talc | 14807-96-6 | Not Listed |
| • Titanium dioxide | 13463-67-7 | Not Listed |
| • Limestone | 1317-65-3 | Not Listed |
| • 1,2-Benzenedicarboxylic acid, bis(2-propylheptyl) ester | 53306-54-0 | Not Listed |

EU - CLP (1272/2008) - Annex VI - Table 3.2 - Notes - Substances and Preparations

| | | |
|---|------------|------------|
| • Benzene, 2,4-diisocyanato-1-methyl- | 584-84-9 | C, 2 |
| • Benzene, 2,6-diisocyanato-1-methyl- | 91-08-7 | C, 2 |
| • Stoddard solvent | 8052-41-3 | P |
| • Talc | 14807-96-6 | Not Listed |
| • Titanium dioxide | 13463-67-7 | Not Listed |
| • Limestone | 1317-65-3 | Not Listed |
| • 1,2-Benzenedicarboxylic acid, bis(2-propylheptyl) ester | 53306-54-0 | Not Listed |

EU - CLP (1272/2008) - Annex VI - Table 3.2 - Safety Phrases

| | | |
|---|------------|------------------------|
| • Benzene, 2,4-diisocyanato-1-methyl- | 584-84-9 | S:(1/2)-23-36/37-45-61 |
| • Benzene, 2,6-diisocyanato-1-methyl- | 91-08-7 | S:(1/2)-23-36/37-45-61 |
| • Stoddard solvent | 8052-41-3 | S:53-45 |
| • Talc | 14807-96-6 | Not Listed |
| • Titanium dioxide | 13463-67-7 | Not Listed |
| • Limestone | 1317-65-3 | Not Listed |
| • 1,2-Benzenedicarboxylic acid, bis(2-propylheptyl) ester | 53306-54-0 | Not Listed |

Germany**Labor****Germany - Immission Control - Qualifying Quantities for Major Accident Prevention**

| | | |
|---|------------|------------|
| • Benzene, 2,4-diisocyanato-1-methyl- | 584-84-9 | Not Listed |
| • Benzene, 2,6-diisocyanato-1-methyl- | 91-08-7 | Not Listed |
| • Stoddard solvent | 8052-41-3 | Not Listed |
| • Talc | 14807-96-6 | Not Listed |
| • Titanium dioxide | 13463-67-7 | Not Listed |
| • Limestone | 1317-65-3 | Not Listed |
| • 1,2-Benzenedicarboxylic acid, bis(2-propylheptyl) ester | 53306-54-0 | Not Listed |

Germany - Immission Control - Qualifying Quantities for Safety Reporting

| | | |
|---------------------------------------|------------|------------|
| • Benzene, 2,4-diisocyanato-1-methyl- | 584-84-9 | Not Listed |
| • Benzene, 2,6-diisocyanato-1-methyl- | 91-08-7 | Not Listed |
| • Stoddard solvent | 8052-41-3 | Not Listed |
| • Talc | 14807-96-6 | Not Listed |
| • Titanium dioxide | 13463-67-7 | Not Listed |
| • Limestone | 1317-65-3 | Not Listed |

- 1,2-Benzenedicarboxylic acid, bis(2-propylheptyl) ester 53306-54-0 Not Listed

Germany - TRGS 505 - Specific Lead Regulations

- Benzene, 2,4-diisocyanato-1-methyl- 584-84-9 Not Listed
- Benzene, 2,6-diisocyanato-1-methyl- 91-08-7 Not Listed
- Stoddard solvent 8052-41-3 Not Listed
- Talc 14807-96-6 Not Listed
- Titanium dioxide 13463-67-7 Not Listed
- Limestone 1317-65-3 Not Listed
- 1,2-Benzenedicarboxylic acid, bis(2-propylheptyl) ester 53306-54-0 Not Listed

Germany - TRGS 511 - Specific Ammonium Nitrate Regulations

- Benzene, 2,4-diisocyanato-1-methyl- 584-84-9 Not Listed
- Benzene, 2,6-diisocyanato-1-methyl- 91-08-7 Not Listed
- Stoddard solvent 8052-41-3 Not Listed
- Talc 14807-96-6 Not Listed
- Titanium dioxide 13463-67-7 Not Listed
- Limestone 1317-65-3 Not Listed
- 1,2-Benzenedicarboxylic acid, bis(2-propylheptyl) ester 53306-54-0 Not Listed

Environment

Germany - TA Luft - Types and Classes

- Benzene, 2,4-diisocyanato-1-methyl- 584-84-9 organic Substance: 5.2.5, Class I
- Benzene, 2,6-diisocyanato-1-methyl- 91-08-7 organic Substance: 5.2.5, Class I
- Stoddard solvent 8052-41-3 Not Listed
- Talc 14807-96-6 Not Listed
- Titanium dioxide 13463-67-7 Not Listed
- Limestone 1317-65-3 Not Listed
- 1,2-Benzenedicarboxylic acid, bis(2-propylheptyl) ester 53306-54-0 Not Listed

Germany - TA Luft - Emission Limits for Carcinogenic Substances

- Benzene, 2,4-diisocyanato-1-methyl- 584-84-9 Not Listed
- Benzene, 2,6-diisocyanato-1-methyl- 91-08-7 Not Listed
- Stoddard solvent 8052-41-3 Not Listed
- Talc 14807-96-6 Not Listed
- Titanium dioxide 13463-67-7 Not Listed
- Limestone 1317-65-3 Not Listed
- 1,2-Benzenedicarboxylic acid, bis(2-propylheptyl) ester 53306-54-0 Not Listed

Germany - TA Luft - Emission Limits for Fibers

- Benzene, 2,4-diisocyanato-1-methyl- 584-84-9 Not Listed
- Benzene, 2,6-diisocyanato-1-methyl- 91-08-7 Not Listed
- Stoddard solvent 8052-41-3 Not Listed
- Talc 14807-96-6 Not Listed
- Titanium dioxide 13463-67-7 Not Listed
- Limestone 1317-65-3 Not Listed
- 1,2-Benzenedicarboxylic acid, bis(2-propylheptyl) ester 53306-54-0 Not Listed

Germany - TA Luft - Emission Limits for Inorganic Dusts

- Benzene, 2,4-diisocyanato-1-methyl- 584-84-9 Not Listed
- Benzene, 2,6-diisocyanato-1-methyl- 91-08-7 Not Listed
- Stoddard solvent 8052-41-3 Not Listed
- Talc 14807-96-6 Not Listed

| | | |
|--|------------|---|
| • Titanium dioxide | 13463-67-7 | Not Listed |
| • Limestone | 1317-65-3 | Not Listed |
| • 1,2-Benzenedicarboxylic acid, bis(2-propylheptyl) ester | 53306-54-0 | Not Listed |
| Germany - TA Luft - Emission Limits for Inorganic Gases | | |
| • Benzene, 2,4-diisocyanato-1-methyl- | 584-84-9 | Not Listed |
| • Benzene, 2,6-diisocyanato-1-methyl- | 91-08-7 | Not Listed |
| • Stoddard solvent | 8052-41-3 | Not Listed |
| • Talc | 14807-96-6 | Not Listed |
| • Titanium dioxide | 13463-67-7 | Not Listed |
| • Limestone | 1317-65-3 | Not Listed |
| • 1,2-Benzenedicarboxylic acid, bis(2-propylheptyl) ester | 53306-54-0 | Not Listed |
| Germany - TA Luft - Emission Limits for Organic Substances | | |
| • Benzene, 2,4-diisocyanato-1-methyl- | 584-84-9 | 0.10 kg/h Mass flow (Class I); 20 mg/m ³ Mass concentration (Class I) |
| • Benzene, 2,6-diisocyanato-1-methyl- | 91-08-7 | 0.10 kg/h Mass flow (Class I); 20 mg/m ³ Mass concentration (Class I) |
| • Stoddard solvent | 8052-41-3 | Not Listed |
| • Talc | 14807-96-6 | Not Listed |
| • Titanium dioxide | 13463-67-7 | Not Listed |
| • Limestone | 1317-65-3 | Not Listed |
| • 1,2-Benzenedicarboxylic acid, bis(2-propylheptyl) ester | 53306-54-0 | Not Listed |
| Germany - Water Classification (VwVwS) - Annex 1 | | |
| • Benzene, 2,4-diisocyanato-1-methyl- | 584-84-9 | Not Listed |
| • Benzene, 2,6-diisocyanato-1-methyl- | 91-08-7 | Not Listed |
| • Stoddard solvent | 8052-41-3 | Not Listed |
| • Talc | 14807-96-6 | ID Number 1315, not considered hazardous to water |
| • Titanium dioxide | 13463-67-7 | ID Number 1345, not considered hazardous to water |
| • Limestone | 1317-65-3 | ID Number 317, not considered hazardous to water |
| • 1,2-Benzenedicarboxylic acid, bis(2-propylheptyl) ester | 53306-54-0 | Not Listed |
| Germany - Water Classification (VwVwS) - Annex 2 - Water Hazard Classes | | |
| • Benzene, 2,4-diisocyanato-1-methyl- | 584-84-9 | ID Number 511, hazard class 2 - hazard to waters |
| • Benzene, 2,6-diisocyanato-1-methyl- | 91-08-7 | ID Number 512, hazard class 2 - hazard to waters |
| • Stoddard solvent | 8052-41-3 | ID Number 775, hazard class 2 - hazard to waters |
| • Talc | 14807-96-6 | Not Listed |
| • Titanium dioxide | 13463-67-7 | Not Listed |
| • Limestone | 1317-65-3 | Not Listed |
| • 1,2-Benzenedicarboxylic acid, bis(2-propylheptyl) ester | 53306-54-0 | ID Number 1359, hazard class 1 - low hazard to waters |
| Germany - Water Classification (VwVwS) - Annex 3 | | |
| • Benzene, 2,4-diisocyanato-1-methyl- | 584-84-9 | Not Listed |
| • Benzene, 2,6-diisocyanato-1-methyl- | 91-08-7 | Not Listed |

| | | |
|---|------------|------------|
| • Stoddard solvent | 8052-41-3 | Not Listed |
| • Talc | 14807-96-6 | Not Listed |
| • Titanium dioxide | 13463-67-7 | Not Listed |
| • Limestone | 1317-65-3 | Not Listed |
| • 1,2-Benzenedicarboxylic acid, bis(2-propylheptyl) ester | 53306-54-0 | Not Listed |

United States

Labor

U.S. - OSHA - Process Safety Management - Highly Hazardous Chemicals

| | | |
|---|------------|------------|
| • Benzene, 2,4-diisocyanato-1-methyl- | 584-84-9 | Not Listed |
| • Benzene, 2,6-diisocyanato-1-methyl- | 91-08-7 | Not Listed |
| • Stoddard solvent | 8052-41-3 | Not Listed |
| • Talc | 14807-96-6 | Not Listed |
| • Titanium dioxide | 13463-67-7 | Not Listed |
| • Limestone | 1317-65-3 | Not Listed |
| • 1,2-Benzenedicarboxylic acid, bis(2-propylheptyl) ester | 53306-54-0 | Not Listed |

U.S. - OSHA - Specifically Regulated Chemicals

| | | |
|---|------------|------------|
| • Benzene, 2,4-diisocyanato-1-methyl- | 584-84-9 | Not Listed |
| • Benzene, 2,6-diisocyanato-1-methyl- | 91-08-7 | Not Listed |
| • Stoddard solvent | 8052-41-3 | Not Listed |
| • Talc | 14807-96-6 | Not Listed |
| • Titanium dioxide | 13463-67-7 | Not Listed |
| • Limestone | 1317-65-3 | Not Listed |
| • 1,2-Benzenedicarboxylic acid, bis(2-propylheptyl) ester | 53306-54-0 | Not Listed |

Environment

U.S. - CAA (Clean Air Act) - 1990 Hazardous Air Pollutants

| | | |
|---|------------|------------|
| • Benzene, 2,4-diisocyanato-1-methyl- | 584-84-9 | |
| • Benzene, 2,6-diisocyanato-1-methyl- | 91-08-7 | Not Listed |
| • Stoddard solvent | 8052-41-3 | Not Listed |
| • Talc | 14807-96-6 | Not Listed |
| • Titanium dioxide | 13463-67-7 | Not Listed |
| • Limestone | 1317-65-3 | Not Listed |
| • 1,2-Benzenedicarboxylic acid, bis(2-propylheptyl) ester | 53306-54-0 | Not Listed |

U.S. - CERCLA/SARA - Hazardous Substances and their Reportable Quantities

| | | |
|---|------------|---|
| • Benzene, 2,4-diisocyanato-1-methyl- | 584-84-9 | 100 lb final RQ (listed under Benzene, 1,3-diisocyanatomethyl-); 45.4 kg final RQ (listed under Benzene, 1,3-diisocyanatomethyl-) |
| • Benzene, 2,6-diisocyanato-1-methyl- | 91-08-7 | 100 lb final RQ (listed under Benzene, 1,3-diisocyanatomethyl-); 45.4 kg final RQ (listed under Benzene, 1,3-diisocyanatomethyl-) |
| • Stoddard solvent | 8052-41-3 | Not Listed |
| • Talc | 14807-96-6 | Not Listed |
| • Titanium dioxide | 13463-67-7 | Not Listed |
| • Limestone | 1317-65-3 | Not Listed |
| • 1,2-Benzenedicarboxylic acid, bis(2-propylheptyl) ester | 53306-54-0 | Not Listed |

U.S. - CERCLA/SARA - Radionuclides and Their Reportable Quantities

| | | |
|---------------------------------------|----------|------------|
| • Benzene, 2,4-diisocyanato-1-methyl- | 584-84-9 | Not Listed |
|---------------------------------------|----------|------------|

| | | |
|---|------------|------------|
| • Benzene, 2,6-diisocyanato-1-methyl- | 91-08-7 | Not Listed |
| • Stoddard solvent | 8052-41-3 | Not Listed |
| • Talc | 14807-96-6 | Not Listed |
| • Titanium dioxide | 13463-67-7 | Not Listed |
| • Limestone | 1317-65-3 | Not Listed |
| • 1,2-Benzenedicarboxylic acid, bis(2-propylheptyl) ester | 53306-54-0 | Not Listed |

U.S. - CERCLA/SARA - Section 302 Extremely Hazardous Substances EPCRA RQs

| | | |
|---|------------|-----------------|
| • Benzene, 2,4-diisocyanato-1-methyl- | 584-84-9 | 100 lb EPCRA RQ |
| • Benzene, 2,6-diisocyanato-1-methyl- | 91-08-7 | 100 lb EPCRA RQ |
| • Stoddard solvent | 8052-41-3 | Not Listed |
| • Talc | 14807-96-6 | Not Listed |
| • Titanium dioxide | 13463-67-7 | Not Listed |
| • Limestone | 1317-65-3 | Not Listed |
| • 1,2-Benzenedicarboxylic acid, bis(2-propylheptyl) ester | 53306-54-0 | Not Listed |

U.S. - CERCLA/SARA - Section 302 Extremely Hazardous Substances TPQs

| | | |
|---|------------|------------|
| • Benzene, 2,4-diisocyanato-1-methyl- | 584-84-9 | 500 lb TPQ |
| • Benzene, 2,6-diisocyanato-1-methyl- | 91-08-7 | 100 lb TPQ |
| • Stoddard solvent | 8052-41-3 | Not Listed |
| • Talc | 14807-96-6 | Not Listed |
| • Titanium dioxide | 13463-67-7 | Not Listed |
| • Limestone | 1317-65-3 | Not Listed |
| • 1,2-Benzenedicarboxylic acid, bis(2-propylheptyl) ester | 53306-54-0 | Not Listed |

U.S. - CERCLA/SARA - Section 313 - Emission Reporting

| | | |
|---|------------|--------------------------------|
| • Benzene, 2,4-diisocyanato-1-methyl- | 584-84-9 | 0.1 % de minimis concentration |
| • Benzene, 2,6-diisocyanato-1-methyl- | 91-08-7 | 0.1 % de minimis concentration |
| • Stoddard solvent | 8052-41-3 | Not Listed |
| • Talc | 14807-96-6 | Not Listed |
| • Titanium dioxide | 13463-67-7 | Not Listed |
| • Limestone | 1317-65-3 | Not Listed |
| • 1,2-Benzenedicarboxylic acid, bis(2-propylheptyl) ester | 53306-54-0 | Not Listed |

U.S. - CERCLA/SARA - Section 313 - PBT Chemical Listing

| | | |
|---|------------|------------|
| • Benzene, 2,4-diisocyanato-1-methyl- | 584-84-9 | Not Listed |
| • Benzene, 2,6-diisocyanato-1-methyl- | 91-08-7 | Not Listed |
| • Stoddard solvent | 8052-41-3 | Not Listed |
| • Talc | 14807-96-6 | Not Listed |
| • Titanium dioxide | 13463-67-7 | Not Listed |
| • Limestone | 1317-65-3 | Not Listed |
| • 1,2-Benzenedicarboxylic acid, bis(2-propylheptyl) ester | 53306-54-0 | Not Listed |

United States - California**Environment****U.S. - California - Proposition 65 - Carcinogens List**

| | | |
|---------------------------------------|------------|---|
| • Benzene, 2,4-diisocyanato-1-methyl- | 584-84-9 | Not Listed |
| • Benzene, 2,6-diisocyanato-1-methyl- | 91-08-7 | Not Listed |
| • Stoddard solvent | 8052-41-3 | Not Listed |
| • Talc | 14807-96-6 | Not Listed |
| • Titanium dioxide | 13463-67-7 | carcinogen, initial date 9/2/11 (airborne, unbound particles of respirable size) |

| | | |
|--|------------|------------|
| • Limestone | 1317-65-3 | Not Listed |
| • 1,2-Benzenedicarboxylic acid, bis(2-propylheptyl) ester | 53306-54-0 | Not Listed |
| U.S. - California - Proposition 65 - Developmental Toxicity | | |
| • Benzene, 2,4-diisocyanato-1-methyl- | 584-84-9 | Not Listed |
| • Benzene, 2,6-diisocyanato-1-methyl- | 91-08-7 | Not Listed |
| • Stoddard solvent | 8052-41-3 | Not Listed |
| • Talc | 14807-96-6 | Not Listed |
| • Titanium dioxide | 13463-67-7 | Not Listed |
| • Limestone | 1317-65-3 | Not Listed |
| • 1,2-Benzenedicarboxylic acid, bis(2-propylheptyl) ester | 53306-54-0 | Not Listed |
| U.S. - California - Proposition 65 - Maximum Allowable Dose Levels (MADL) | | |
| • Benzene, 2,4-diisocyanato-1-methyl- | 584-84-9 | Not Listed |
| • Benzene, 2,6-diisocyanato-1-methyl- | 91-08-7 | Not Listed |
| • Stoddard solvent | 8052-41-3 | Not Listed |
| • Talc | 14807-96-6 | Not Listed |
| • Titanium dioxide | 13463-67-7 | Not Listed |
| • Limestone | 1317-65-3 | Not Listed |
| • 1,2-Benzenedicarboxylic acid, bis(2-propylheptyl) ester | 53306-54-0 | Not Listed |
| U.S. - California - Proposition 65 - No Significant Risk Levels (NSRL) | | |
| • Benzene, 2,4-diisocyanato-1-methyl- | 584-84-9 | Not Listed |
| • Benzene, 2,6-diisocyanato-1-methyl- | 91-08-7 | Not Listed |
| • Stoddard solvent | 8052-41-3 | Not Listed |
| • Talc | 14807-96-6 | Not Listed |
| • Titanium dioxide | 13463-67-7 | Not Listed |
| • Limestone | 1317-65-3 | Not Listed |
| • 1,2-Benzenedicarboxylic acid, bis(2-propylheptyl) ester | 53306-54-0 | Not Listed |
| U.S. - California - Proposition 65 - Reproductive Toxicity - Female | | |
| • Benzene, 2,4-diisocyanato-1-methyl- | 584-84-9 | Not Listed |
| • Benzene, 2,6-diisocyanato-1-methyl- | 91-08-7 | Not Listed |
| • Stoddard solvent | 8052-41-3 | Not Listed |
| • Talc | 14807-96-6 | Not Listed |
| • Titanium dioxide | 13463-67-7 | Not Listed |
| • Limestone | 1317-65-3 | Not Listed |
| • 1,2-Benzenedicarboxylic acid, bis(2-propylheptyl) ester | 53306-54-0 | Not Listed |
| U.S. - California - Proposition 65 - Reproductive Toxicity - Male | | |
| • Benzene, 2,4-diisocyanato-1-methyl- | 584-84-9 | Not Listed |
| • Benzene, 2,6-diisocyanato-1-methyl- | 91-08-7 | Not Listed |
| • Stoddard solvent | 8052-41-3 | Not Listed |
| • Talc | 14807-96-6 | Not Listed |
| • Titanium dioxide | 13463-67-7 | Not Listed |
| • Limestone | 1317-65-3 | Not Listed |
| • 1,2-Benzenedicarboxylic acid, bis(2-propylheptyl) ester | 53306-54-0 | Not Listed |

United States - Pennsylvania

| | | |
|--|-----------|------------|
| Labor | | |
| U.S. - Pennsylvania - RTK (Right to Know) - Environmental Hazard List | | |
| • Benzene, 2,4-diisocyanato-1-methyl- | 584-84-9 | |
| • Benzene, 2,6-diisocyanato-1-methyl- | 91-08-7 | |
| • Stoddard solvent | 8052-41-3 | Not Listed |

| | | |
|---|------------|------------|
| • Talc | 14807-96-6 | Not Listed |
| • Titanium dioxide | 13463-67-7 | Not Listed |
| • Limestone | 1317-65-3 | Not Listed |
| • 1,2-Benzenedicarboxylic acid, bis(2-propylheptyl) ester | 53306-54-0 | Not Listed |

U.S. - Pennsylvania - RTK (Right to Know) - Special Hazardous Substances

| | | |
|---|------------|------------|
| • Benzene, 2,4-diisocyanato-1-methyl- | 584-84-9 | |
| • Benzene, 2,6-diisocyanato-1-methyl- | 91-08-7 | Not Listed |
| • Stoddard solvent | 8052-41-3 | Not Listed |
| • Talc | 14807-96-6 | Not Listed |
| • Titanium dioxide | 13463-67-7 | Not Listed |
| • Limestone | 1317-65-3 | Not Listed |
| • 1,2-Benzenedicarboxylic acid, bis(2-propylheptyl) ester | 53306-54-0 | Not Listed |

15.2 Chemical Safety Assessment

- No Chemical Safety Assessment has been carried out.

Section 16 - Other Information

Relevant Phrases (code & full text)

- H304 - May be fatal if swallowed and enters airways
- H330 - Fatal if inhaled
- H335 - May cause respiratory irritation
- H340 - May cause genetic defects.
- H350 - May cause cancer.
- H372 - Causes damage to organs through prolonged or repeated exposure.
- H373 - May cause damage to organs through prolonged or repeated exposure. H412 - Harmful to aquatic life with long lasting effects
- R26 - Very toxic by inhalation.
- R45 - May cause cancer.
- R46 - May cause heritable genetic damage.
- R48/20 - Harmful: danger of serious damage to health by prolonged exposure through inhalation.
- R52 - Harmful to aquatic organisms.
- R53 - May cause long-term adverse effects in the aquatic environment.
- R65 - Harmful: may cause lung damage if swallowed.

Revision Date

- 19/January/2024

Preparation Date

- 02/February/2012

Other Information

- Changes to this revision: Updated mailing address.

Disclaimer/Statement of Liability

- We believe the statements, technical information and recommendations contained herein are reliable, but they are given without warranty or guarantee of any kind. The information contained in this document applies to this specific material as supplied. It may not be valid for this material if it is used in combination with any other materials. It is the user's responsibility to satisfy oneself as to the suitability and completeness of this information for the user's own particular use.

Key to abbreviations

NDA = No Data Available