

**NP 1™**

Version 1.6

10/28/2004

**1. PRODUCT AND COMPANY INFORMATION**

Company : **Degussa Building Systems**  
889 Valley Park Drive  
Shakopee, MN 55379

Telephone : 952-496-6000

Emergency telephone number : (800) 424-9300  
(703) 527-3887 (Outside Continental US)

Product name : NP 1™

MSDS ID No. : 11502

TSCA Inventory : All components of this product are included, or are exempt from inclusion, in the EPA Toxic Substances Control Act (TSCA) Chemical Substance Inventory.

Canadian DSL : May contain chemicals not listed.

**2. HAZARDOUS INGREDIENTS**

| <u>Chemical</u>            | <u>CAS No.</u> | <u>TLV</u> | <u>STEL</u> | <u>PEL</u> | <u>CEIL</u> | <u>Weight %</u> |
|----------------------------|----------------|------------|-------------|------------|-------------|-----------------|
| STODDARD SOLVENT           | 8052-41-3      | 100 ppm    | N.E.        | 500 ppm    | N.E.        | 0.00 - 10.00 %  |
| SILICA, CRYSTALLINE QUARTZ | 14808-60-7     | 0.05 mg/m3 | N.E.        | 0.1 mg/m3  | N.E.        | 0.10 - 1.00 %   |

**3. HAZARDS IDENTIFICATION**

|              |             |                   |                         |
|--------------|-------------|-------------------|-------------------------|
| HMIS® Rating | HEALTH<br>2 | FLAMMABILITY<br>1 | PHYSICAL<br>HAZARD<br>0 |
|--------------|-------------|-------------------|-------------------------|

WHMIS Class : D2B

Primary Routes of Entry : Ingestion  
Inhalation  
Eye contact  
Skin contact

**Effects of Overexposure**

Inhalation : Inhalation of high vapor concentrations may cause symptoms like headache, dizziness, tiredness, nausea and vomiting. Inhalation of high vapor concentrations can cause CNS-depression and narcosis. Prolonged inhalation can be harmful.

Skin : Can cause slight irritation. May cause sensitization by skin contact.

Eyes : Can cause slight irritation.

Ingestion : May be harmful if swallowed.

Chronic exposure : Existing respiratory or skin ailments may be aggravated by exposure. This product may contain a small amount (<0.1%) of toluene diisocyanate. NIOSH, NTP and IARC list toluene diisocyanate as a suspected carcinogen. Note also that prolonged repeated

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exposure to isocyanates can lead to skin sensitization. For persons so sensitized even brief exposures to an isocyanate can produce reddening, swelling, rash, or blisters. Similarly, prolonged and repeated exposure to isocyanates can lead to respiratory sensitization. In such individuals, brief exposures to isocyanates at levels well below established exposure limits can produce chemical asthma and nonspecific asthmatic conditions. This product contains Crystalline (quartz) Silica which has been listed as a human carcinogen by NTP (Group 1) and IARC (Human Carcinogen) and a Suspected Human Carcinogen by ACGIH (category A2). Repeated or prolonged over exposure to free respirable Crystalline (quartz) silica can cause silicosis or other delayed and serious lung injury. No exposure to respirable Crystalline (quartz) Silica anticipated with recommended use of product. This product contains solvents. Reports associate repeated and prolonged occupational overexposure to solvents with permanent brain and nervous system damage. Reports also indicate that solvents cause liver damage, kidney damage, and mucous membrane irritation. Be warned that intentional misuse by deliberately inhaling the vapors and/or the product contents (a process often called "sniffing") can be harmful or fatal.

**Carcinogenicity**

|                            | ACGIH                       | IARC              | NTP               | OSHA |
|----------------------------|-----------------------------|-------------------|-------------------|------|
| STODDARD SOLVENT           | N.E.                        | No data.          | N.E.              | N.E. |
| SILICA, CRYSTALLINE QUARTZ | Suspected human carcinogen. | Human carcinogen. | Known carcinogen. | N.E. |

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**4. FIRST AID MEASURES**

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|              |   |                                                                                                                                                                                                                                                                                             |
|--------------|---|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Eye contact  | : | Flush eyes with water, lifting upper and lower lids occasionally for 15 minutes. Seek medical attention.                                                                                                                                                                                    |
| Skin contact | : | Remove contaminated clothing. Wash thoroughly with soap and water. If irritation persists seek medical attention. Wash contaminated clothing before reuse.                                                                                                                                  |
| Ingestion    | : | Do not induce vomiting without medical advice. If conscious, drink plenty of water. If a person feels unwell or symptoms of skin irritation appear, consult a physician. If a person vomits, place him/her in the recovery position. Never give anything by mouth to an unconscious person. |
| Inhalation   | : | Remove victim from exposure. If difficulty with breathing, administer oxygen. If breathing has stopped administer artificial respiration, preferably mouth-to-mouth. Seek immediate medical attention.                                                                                      |

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**5. FIRE-FIGHTING MEASURES**

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|                              |   |                                                                                                   |
|------------------------------|---|---------------------------------------------------------------------------------------------------|
| Flash point                  | : | > 200.01 °F (93.34 °C) Method: SETAFLASH                                                          |
| Autoignition temperature     | : | no data available                                                                                 |
| Lower explosion limit        | : | no data available                                                                                 |
| Upper explosion limit        | : | no data available                                                                                 |
| Suitable extinguishing media | : | water fog<br>carbon dioxide (CO2)<br>foam<br>dry chemical<br>water spray                          |
| Fire and Explosion Hazards   | : | Fire may produce irritating or poisonous fumes. Solid stream of water or foam can cause frothing. |

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Special Fire-fighting Procedures : At higher temperature pressure build up in sealed containers. Use water to cool containers exposed to fire. As in any fire, wear pressure demand self-contained breathing apparatus (NIOSH approved or equivalent) and full protective gear.

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**6. ACCIDENTAL RELEASE MEASURES**

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Methods for cleaning up : Ventilate the area and remove all sources of ignition. Evacuate unnecessary personnel. Take action to eliminate source of leak. Large spills should be handled carefully. Put on respiratory protection and necessary personal protective equipment. Dike or impound spilled Liquid. Soak up with inert absorbent material. Sweep up and shovel into suitable containers for disposal.

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**7. HANDLING AND STORAGE**

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Handling : Keep out of reach of children. For personal protection see section 8.

Storage : Keep tightly closed.

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**8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

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Eye protection : Wear as appropriate:  
safety glasses with side-shields  
goggles  
face-shield

Hand protection : Wear Chemically resistant gloves.

Body Protection : Wear as appropriate:  
impervious clothing  
preventive skin protection

Respiratory protection : In case of insufficient ventilation wear suitable respiratory equipment. When workers are facing concentrations above the exposure limit they must use NIOSH approved respirators.

Hygienic Practices : Avoid contact with skin, eyes and clothing. Ensure adequate ventilation, especially in confined areas. Wash hands before breaks and at the end of workday. When using, do not eat, drink or smoke. Handle in accordance with good industrial hygiene and safety practice.

Engineering Controls : Local exhaust ventilation can be necessary to control any air contaminants to within their TLVs during the use of this product.

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**9. PHYSICAL AND CHEMICAL PROPERTIES**

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Color : pigmented

Physical State : paste

Odor : slight

pH (at 100 %) : not applicable

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|                                                               |                        |
|---------------------------------------------------------------|------------------------|
| Odor Threshold                                                | : no data available    |
| Vapor Pressure                                                | : no data available    |
| Vapor Density                                                 | : no data available    |
| Boiling point/range                                           | : no data available    |
| Freeze Point                                                  | : no data available    |
| Water solubility                                              | : insoluble            |
| Specific Gravity                                              | : 1.21                 |
| Viscosity                                                     | : 4,000 - 16,000 poise |
| Evaporation rate                                              | : Slower than ether    |
| Partition coefficient (n-octanol/water)                       | : no data available    |
| VOC Concentration as applied (less water and exempt solvents) | : 42.36 g/l            |

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**10. STABILITY AND REACTIVITY**

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|                                  |                                                          |
|----------------------------------|----------------------------------------------------------|
| Stability                        | : Stable under recommended storage conditions.           |
| Conditions to avoid              | : Prolonged exposure to high temperatures                |
| Materials to avoid               | : strong oxidizing agents                                |
| Hazardous decomposition products | : Oxides of carbon<br>nitrogen oxides (NO <sub>x</sub> ) |
| Hazardous polymerization         | : Will not occur under normal conditions.                |

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**11. TOXICOLOGICAL INFORMATION**

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**Acute inhalation toxicity**

| <u>Product</u>             | <u>Type</u><br>LC50 | <u>Value</u>      | <u>Species</u> | <u>Exposure time</u> |
|----------------------------|---------------------|-------------------|----------------|----------------------|
| <u>Component</u>           |                     |                   |                |                      |
| STODDARD SOLVENT           | LC50                | no data available |                |                      |
| SILICA, CRYSTALLINE QUARTZ | LC50                | no data available |                |                      |

**Acute oral toxicity**

| <u>Type</u> | <u>Value</u> | <u>Species</u> |
|-------------|--------------|----------------|
|-------------|--------------|----------------|

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|                |             |                   |
|----------------|-------------|-------------------|
| <u>Product</u> | LD50 (Oral) | no data available |
|----------------|-------------|-------------------|

|                  |  |  |
|------------------|--|--|
| <u>Component</u> |  |  |
|------------------|--|--|

|                  |             |                   |
|------------------|-------------|-------------------|
| STODDARD SOLVENT | LD50 (Oral) | no data available |
|------------------|-------------|-------------------|

|                            |             |             |
|----------------------------|-------------|-------------|
| SILICA, CRYSTALLINE QUARTZ | LD50 (Oral) | 1,300 mg/kg |
|----------------------------|-------------|-------------|

**Acute dermal toxicity**

| <u>Type</u> | <u>Value</u> | <u>Species</u> |
|-------------|--------------|----------------|
|-------------|--------------|----------------|

|                |               |                   |
|----------------|---------------|-------------------|
| <u>Product</u> | LD50 (Dermal) | no data available |
|----------------|---------------|-------------------|

|                  |  |  |
|------------------|--|--|
| <u>Component</u> |  |  |
|------------------|--|--|

|                  |               |                   |
|------------------|---------------|-------------------|
| STODDARD SOLVENT | LD50 (Dermal) | no data available |
|------------------|---------------|-------------------|

|                            |               |                   |
|----------------------------|---------------|-------------------|
| SILICA, CRYSTALLINE QUARTZ | LD50 (Dermal) | no data available |
|----------------------------|---------------|-------------------|

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**12. ECOLOGICAL INFORMATION**

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Ecotoxicological Information : There is no data available for this product.

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**13. DISPOSAL CONSIDERATIONS**

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Recommendations: Use excess product in an alternate beneficial application. Handle disposal of waste material in manner which complies with local, state, province and federal regulation.

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**14. TRANSPORT INFORMATION**

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|     |                        |               |
|-----|------------------------|---------------|
| DOT | : Proper shipping name | Not regulated |
|-----|------------------------|---------------|

|      |                        |               |
|------|------------------------|---------------|
| IATA | : Proper shipping name | Not regulated |
|------|------------------------|---------------|

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**15. REGULATORY INFORMATION**

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**SARA 311/312 (RTK)**

This product has been reviewed according to the EPA 'Hazard Categories' promulgated under Sections 311 and 312 of the Superfund Amendments and Reauthorization Act of 1986 (SARA Title III) and is considered, under applicable definitions, to meet the following categories:

IMMEDIATE (ACUTE) HEALTH HAZARD   DELAYED (CHRONIC) HEALTH HAZARD

**SARA 313**

This product contains the following substances subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372:

| <u>Weight %</u> | <u>CAS No.</u> | <u>Chemical Name</u> |
|-----------------|----------------|----------------------|
|-----------------|----------------|----------------------|

This product contains no chemicals subject to the SARA 313 supplier notification requirements.

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**CERCLA**

CERCLA section 103(a) specifically requires the person in charge of a vessel or facility to report immediately to the National Response Center (NRC) a release of a hazardous substance whose amount equals or exceeds the assigned RQ. The following hazardous substances are contained in this product.

| <u>RQ</u> | <u>CAS No.</u> | <u>Chemical Name</u> |
|-----------|----------------|----------------------|
|-----------|----------------|----------------------|

No CERCLA chemicals exist in this product above reportable concentrations.

**TSCA Section 12(b) Export Notification**

This product contains the following chemical substances subject to the reporting requirements of TSCA 12(b) if exported from the United States:

| <u>CAS No.</u> | <u>Chemical Name</u> |
|----------------|----------------------|
| 108-90-7       | CHLOROBENZENE        |

**California Proposition 65**

The chemical(s) noted below and contained in this product, are known to the state of California to cause cancer, birth defects or other reproductive harm. Unless otherwise specified in Section 2 of this MSDS, these chemicals are present at < 0.1%:

| <u>CAS No.</u> | <u>Chemical Name</u>       |
|----------------|----------------------------|
| 7439-92-1      | INORGANIC LEAD             |
| 7440-43-9      | CADMIUM                    |
| 7440-38-2      | ARSENIC                    |
| 7440-02-0      | NICKEL                     |
| 584-84-9       | 2,4-TOLUENE DIISOCYANATE   |
| 91-08-7        | 2,6 TOLUENE DIISOCYANATE   |
| 71-43-2        | BENZENE                    |
| 14808-60-7     | SILICA, CRYSTALLINE QUARTZ |
| 108-88-3       | TOLUENE                    |

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**16. OTHER INFORMATION**

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Legend : N.E. - Not Established  
TLV - Threshold Limit Value  
STEL - Short Term Exposure Limit  
PEL - Permissible Exposure Limit  
CEIL - Ceiling

Prepared By : Environment, Health and Safety Department

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End of MSDS.