

NP 1™

Version 1.5

11/24/2003

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.	5 mg/m3	N.E.	0.10 - 1.00 %

3. HAZARDS IDENTIFICATION

HMIS® Rating	HEALTH	FLAMMABILITY	PHYSICAL HAZARD
	2	1	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 exposure to isocyanates can lead to skin sensitization. For persons so sensitized even

NP 1™

Version 1.5

11/24/2003

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.

4. FIRST AID MEASURES

- 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.

5. FIRE-FIGHTING MEASURES

- Flash point : 121.01 °F (49.45 °C) Method: SETAFLASH Note: (CARB compliant product is > 93.34 °C (200.01 °F) Method: SETAFLASH)
- Autoignition temperature : no data available
- Lower explosion limit : no data available
- Upper explosion limit : no data available
- Suitable extinguishing media : water fog
carbon dioxide (CO2)
foam
dry chemical
water spray
- Fire and Explosion Hazards : Fire may produce irritating or poisonous fumes. Solid stream of water or foam can cause frothing. Vapors can travel to a source of ignition and flash back.

NP 1™

Version 1.5

11/24/2003

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 self-contained breathing apparatus pressure-demand (MSHA/NIOSH approved or equivalent) and full protective gear.

6. ACCIDENTAL RELEASE MEASURES

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.

7. HANDLING AND STORAGE

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

Storage : Keep tightly closed.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

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 appropriate certified 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.

9. PHYSICAL AND CHEMICAL PROPERTIES

Color : pigmented

Physical State : paste

Odor : slight

pH (at 100 %) : not applicable

NP 1™

Version 1.5

11/24/2003

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)	:	93 g/l Note: (CARB compliant product is 42.36 g/l)

10. STABILITY AND REACTIVITY

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 nitrogen oxides (NOx)
Hazardous polymerization	:	Will not occur under normal conditions.

11. TOXICOLOGICAL INFORMATION

Acute inhalation toxicity

<u>Product</u>	<u>Type</u>	<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>Product</u>	<u>Type</u>	<u>Value</u>	<u>Species</u>
	LD50 (Oral)	no data available	

NP 1™

Version 1.5

11/24/2003

Component

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	

Component

STODDARD SOLVENT	LD50 (Dermal)	no data available
SILICA, CRYSTALLINE QUARTZ	LD50 (Dermal)	no data available

12. ECOLOGICAL INFORMATION

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

13. DISPOSAL CONSIDERATIONS

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.

14. TRANSPORT INFORMATION

This material has been tested, and determined to be a non-combustible solid by ASTM test methods.

DOT	: Proper shipping name	Not regulated
IATA	: Proper shipping name	Not regulated

15. REGULATORY INFORMATION

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

NP 1™

Version 1.5

11/24/2003

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>
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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>
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There are no TSCA 12(b) Chemicals in this product.

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

16. OTHER INFORMATION

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.