

Safety data sheet

SONOLASTIC NP1 CARB WHITE

Revision date : 2008/08/20
Version: 2.1

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(30368491/MDS_GEN_US/EN)

1. Substance/preparation and company identification

Company
BASF Construction Chemicals
100 Campus Drive
Florham Park, NJ 07932

24 Hour Emergency Response Information
CHEMTREC: 1-800-424-9300
BASF HOTLINE: 1-800-832-HELP

2. Composition/information on ingredients

<u>CAS Number</u>	<u>Content (W/W)</u>	<u>Chemical name</u>
1317-65-3	10.0 - 30.0 %	Limestone
13463-67-7	3.0 - 7.0 %	titanium dioxide
112-62-9	3.0 - 7.0 %	methyl oleate
8052-41-3	1.0 - 5.0 %	Stoddard solvent
14807-96-6	1.0 - 5.0 %	talc
3290-92-4	1.0 - 5.0 %	2-Propenoic acid, 2-methyl-, 2-ethyl-2-[[[(2-methyl-1-oxo-2-propenyl)oxy]methyl]-1,3-propanedi yl ester
1305-78-8	1.0 - 5.0 %	calcium oxide
584-84-9	0.1 - 1.0 %	toluene-2,4-diisocyanate
14808-60-7	0.1 - 1.0 %	crystalline silica

3. Hazard identification

Emergency overview

WARNING: CAUSES EYE, SKIN AND RESPIRATORY TRACT IRRITATION.
MAY BE HARMFUL IF INHALED.
REPORTS HAVE ASSOCIATED REPEATED AND PROLONGED OCCUPATIONAL OVEREXPOSURE TO
SOLVENTS WITH PERMANENT BRAIN AND NERVOUS SYSTEM DAMAGE.

This product contains isocyanates.

Prolonged or repeated skin contact may cause sensitization or allergic reactions.

Avoid contact with the skin, eyes and clothing.

Wash thoroughly after handling.

Keep container tightly closed.

No exposure to respirable Crystalline (quartz) Silica anticipated with recommended use of product.

No exposure to respirable titanium dioxide anticipated with recommended use of product.

Potential health effects

Primary routes of exposure

Routes of entry for solids and liquids include eye and skin contact, ingestion and inhalation. Routes of entry for gases include inhalation and eye contact. Skin contact may be a route of entry for liquified gases.

Acute toxicity:

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Overexposure may cause CNS depression including headache, dizziness, nausea and loss of consciousness. Based on the properties of the isocyanate components and considering toxicological data on similar product, this product may cause acute irritation and/or sensitization of the respiratory system leading to an asthmatic condition, wheeziness and tightness of the chest. Sensitized persons may subsequently show asthmatic symptoms when exposed to atmospheric concentrations well below the occupational exposure limit. Repeated inhalation may lead to a permanent respiratory disability.

Information on: toluene-2,4-diisocyanate

Very toxic by inhalation.

Virtually nontoxic after a single ingestion.

Virtually nontoxic after a single skin contact.

Irritation:

Irritating to eyes, respiratory system and skin. Prolonged or repeated contact may result in dermatitis.

Sensitization:

May cause sensitization by inhalation and skin contact.

Information on: toluene-2,4-diisocyanate

May cause sensitization by inhalation and skin contact.

Repeated dose toxicity:

Overexposure may cause CNS depression including headache, dizziness, nausea and loss of consciousness.

Information on: crystalline silica

This product may contain greater than 0.1% crystalline silica.

Repeated exposure to high concentrations results in silicosis, a lung disease characterized by coughing, difficult breathing, wheezing, scarring of the lungs, and repeated, non-specific chest illnesses.

Information on: Stoddard solvent

Overexposure may cause liver and kidney toxicity.

Repeated exposures may result in pulmonary congestion.

Information on: toluene-2,4-diisocyanate

The substance may cause damage to the lung even after repeated inhalation of low doses, as shown in animal studies.

4. First-aid measures

If inhaled:

Remove victim to fresh air and away from exposure immediately. If not breathing, give artificial respiration. Seek medical attention.

If in eyes:

Flush with copious amounts of water for at least 15 minutes. If symptoms persist, seek medical advice.

If swallowed:

Do not induce vomiting unless told to by a poison control center or doctor. If person is conscious and can swallow, give two glasses of water.

5. Fire-fighting measures

Flash point: 185 °F

Autoignition:

No data available.

Lower explosion limit:

No data available.

Upper explosion limit:

No data available.

Suitable extinguishing media:

carbon dioxide, dry extinguishing media, foam, water fog

Hazards during fire-fighting:

Burning produces harmful and toxic fumes.

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Protective equipment for fire-fighting:

Firefighters should be equipped with self-contained breathing apparatus and turn-out gear.

Further information:

Sealed containers should be protected against heat as this results in pressure build-up. Keep containers cool by spraying with water if exposed to fire.

6. Accidental release measures

Personal precautions:

Use personal protective clothing. Avoid contact with the skin, eyes and clothing.

Environmental precautions:

Contain contaminated water/firefighting water. Do not discharge into drains/surface waters/groundwater.

Cleanup:

Dike spillage. Vacuum up spilled product. Pick up with inert absorbent material (if possible). Dispose of absorbed material in accordance with regulations.

7. Handling and storage

Handling

General advice:

Keep away from sources of ignition - No smoking. Ensure thorough ventilation of stores and work areas.

Storage

General advice:

Keep container tightly closed.

8. Exposure controls and personal protection

Components with workplace control parameters

Limestone	OSHA	PEL 5 mg/m3 Respirable fraction ; PEL 15 mg/m3 Total dust ;
titanium dioxide	OSHA ACGIH	PEL 15 mg/m3 Total dust ; TWA value 10 mg/m3 ;
Stoddard solvent	OSHA ACGIH	PEL 500 ppm 2,900 mg/m3 ; TWA value 100 ppm ;
talc	OSHA	TWA value 20 millions of particles per cubic foot of air ; TWA value 2.4 millions of particles per cubic foot of air Respirable ; TWA value 0.1 mg/m3 Respirable ; TWA value 0.3 mg/m3 Total dust ;
calcium oxide	ACGIH OSHA	TWA value 2 mg/m3 Respirable fraction ; PEL 5 mg/m3 ;
toluene-2,4-diisocyanate	ACGIH OSHA	TWA value 2 mg/m3 ; CLV 0.02 ppm 0.14 mg/m3 ;
crystalline silica	ACGIH OSHA	TWA value 0.005 ppm ; STEL value 0.02 ppm ; Respirable ; TWA value 2.4 millions of particles per cubic foot of air Respirable ; TWA value 0.1 mg/m3 Respirable ; TWA value 0.3 mg/m3 Total dust ;
	ACGIH	TWA value 0.025 mg/m3 Respirable fraction ;

Advice on system design:

Provide local exhaust ventilation to maintain recommended P.E.L.

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Personal protective equipment

Respiratory protection:

Wear respiratory protection if ventilation is inadequate. Wear a NIOSH-certified (or equivalent) respirator as necessary.

Hand protection:

Wear chemical resistant protective gloves.

Eye protection:

Safety glasses with side-shields. Wear face shield if splashing hazard exists.

Body protection:

Impermeable protective clothing

General safety and hygiene measures:

Precautions must be taken so that persons handling isocyanates do not breathe the vapors or have it contact the eyes or skin. Food, beverages, and tobacco products shall not be carried, stored, or consumed where this material is in use. Hands and/or face should be washed before breaks and at the end of the shift. Handle in accordance with good industrial hygiene and safety practice.

9. Physical and chemical properties

Form:	paste	
Odour:	slight odour	
Colour:	pigmented	
pH value:		Not applicable
Freezing point:		No data available.
Boiling point:		No data available.
Vapour pressure:		No data available.
Relative density:	1.21	
Vapour density:		No data available.
Partitioning coefficient n-octanol/water (log Pow):		No data available.
Solubility in other solvents:		insoluble

10. Stability and reactivity

Conditions to avoid:

Avoid prolonged exposure to extreme heat. Avoid moisture.

Substances to avoid:

strong oxidizing agents

Hazardous reactions:

The product is chemically stable.

No hazardous reactions when stored and handled according to instructions.

Decomposition products:

Possible thermal decomposition products: carbon oxides, nitrogen oxides, aromatic isocyanates, gases/vapours

11. Toxicological information

Acute toxicity

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Oral:
No data available.

Information on: calcium oxide
LD50/rat: 500 - 2,000 mg/kg

Inhalation:
No data available.

Dermal:
No data available.

Sensitization:
Can sensitize the skin and/or respiratory tract of allergic persons.

Chronic toxicity

Carcinogenicity:
IARC has determined that there is sufficient evidence of carcinogenicity in both humans and experimental animals for inhaled crystalline silica in the form of quartz or cristobalite.

Information on: crystalline silica
The International Agency for Research on Cancer (IARC) has classified this substance as a Group 1 (known) human carcinogen.

Information on: titanium dioxide
IARC (International Agency for Research on Cancer) has classified this substance as group 2B (The agent is possibly carcinogenic to humans).

In long-term studies in rats in which the substance was given by inhalation, a carcinogenic effect was observed.

Tumors were only observed in rats after chronic inhalative exposure to high concentrations which caused sustained lung inflammation.

In long-term studies in rats and mice in which the substance was given by feed, a carcinogenic effect was not observed.

Dermal exposure is not expected to be carcinogenic.

12. Ecological information

Environmental toxicity

Other ecotoxicological advice:
Ecological data are not available.

13. Disposal considerations

Waste disposal of substance:
Do not discharge into drains/surface waters/groundwater.
Dispose of in accordance with local authority regulations.

14. Transport information

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Land transport

USDOT

Not classified as a dangerous good under transport regulations

Sea transport

IMDG

Not classified as a dangerous good under transport regulations

Air transport

IATA/ICAO

Not classified as a dangerous good under transport regulations

15. Regulatory information

Federal Regulations

Registration status:

TSCA, US released / listed

OSHA hazard category: IARC 1, 2A or 2B carcinogen, NTP listed carcinogen, Chronic target organ effects reported, OSHA PEL established, ACGIH TLV established

SARA hazard categories (EPCRA 311/312): Acute, Chronic

SARA 313:

CAS Number

584-84-9

Chemical name

toluene-2,4-diisocyanate

State regulations

State RTK

CAS Number

1317-65-3

13463-67-7

112-62-9

14807-96-6

1305-78-8

584-84-9

14808-60-7

Chemical name

Limestone

titanium dioxide

methyl oleate

talc

calcium oxide

toluene-2,4-diisocyanate

crystalline silica

State RTK

MA, PA

MA, NJ, PA

MA

MA, NJ, PA

MA, NJ, PA

MA, NJ, PA

MA, NJ, PA

CA Prop. 65:

THIS PRODUCT CONTAINS A CHEMICAL(S) KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER AND BIRTH DEFECTS OR OTHER REPRODUCTIVE HARM.

16. Other information

HMIS III rating

Health: 2 \square Flammability: 1 Physical hazard: 0

HMIS uses a numbering scale ranging from 0 to 4 to indicate the degree of hazard. A value of zero means that the substance possesses essentially no hazard; a rating of four indicates high hazard.

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Local contact information

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