

Safety Data Sheet

SONOLASTIC ULTRA WHITE 300ML

Revision date : 2012/02/23

Version: 2.0

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(30368833/SDS_GEN_US/EN)

1. Product and Company Identification

Company

BASF CORPORATION
100 Campus Drive
Florham Park, NJ 07932, USA

24 Hour Emergency Response Information

CHEMTREC: 1-800-424-9300
BASF HOTLINE: 1-800-832-HELP

2. Hazards Identification

Emergency overview**WARNING:**

CONTAINS MATERIAL WHICH CAN CAUSE CANCER.

MAY CAUSE ALLERGIC SKIN REACTION.

MAY CAUSE EYE, SKIN AND RESPIRATORY TRACT IRRITATION.

MAY BE HARMFUL IF SWALLOWED.

REPORTS HAVE ASSOCIATED REPEATED AND PROLONGED OCCUPATIONAL OVEREXPOSURE TO SOLVENTS WITH PERMANENT BRAIN AND NERVOUS SYSTEM DAMAGE.

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

Keep container tightly closed.

Avoid all sources of ignition: heat, sparks, open flame.

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

State of matter: solid

Colour: various colours

Odour: solvent-like

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:

Of very high toxicity after short-term inhalation. Virtually nontoxic after a single skin contact. Virtually nontoxic after a single ingestion.

May be harmful if inhaled.

Irritation / corrosion:

Irritating to eyes, respiratory system and skin.

Sensitization:

Sensitization after skin contact possible. The substance may cause sensitization of the respiratory tract.

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Chronic toxicity:

Repeated dose toxicity: Prolonged exposure may cause chronic effects.

Signs and symptoms of overexposure:

The most important known symptoms and effects are described in the labelling (see section 2) and/or in section 11.

Potential environmental effects

Aquatic toxicity:

There is a high probability that the product is not acutely harmful to aquatic organisms.

Degradation / environmental fate:

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

3. 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
8052-41-3	>= 7.0 - <= 13.0 %	Stoddard solvent
13463-67-7	>= 3.0 - <= 7.0 %	Titanium dioxide
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
14807-96-6	>= 1.0 - <= 5.0 %	talc
1305-78-8	>= 0.5 - <= 1.5 %	calcium oxide
5124-30-1	>= 0.5 - <= 1.5 %	4,4'-methylenedicyclohexyl diisoncyanate

4. First-Aid Measures

General advice:

First aid personnel should pay attention to their own safety. Remove contaminated clothing.

If inhaled:

No hazards anticipated.

If on skin:

Wash thoroughly with soap and water. Under no circumstances should organic solvent be used. If irritation develops, seek medical attention.

If in eyes:

Wash affected eyes for at least 15 minutes under running water with eyelids held open, consult an eye specialist.

If swallowed:

Rinse mouth and then drink plenty of water. Do not induce vomiting unless told to by a poison control center or doctor.

Note to physician

Treatment: Treat according to symptoms (decontamination, vital functions), no known specific antidote.

5. Fire-Fighting Measures

Flash point:

Substance/product is non-flammable. The product does not burn self-sustainingly.

Flammability:

Not flammable.

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Suitable extinguishing media:
foam, water spray, dry powder, carbon dioxide

Unsuitable extinguishing media for safety reasons:
water jet

Hazards during fire-fighting:
carbon dioxide, carbon monoxide, harmful vapours, nitrogen oxides, fumes/smoke, carbon black

Protective equipment for fire-fighting:
Firefighters should be equipped with self-contained breathing apparatus and turn-out gear.

Further information:
The degree of risk is governed by the burning substance and the fire conditions. Contaminated extinguishing water must be disposed of in accordance with official regulations.

6. Accidental release measures

Personal precautions:
Use personal protective clothing. Handle in accordance with good building materials hygiene and safety practice.

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

Cleanup:
For small amounts: Sweep/shovel up. Dispose of absorbed material in accordance with regulations.
For large amounts: Sweep/shovel up. Dispose of absorbed material in accordance with regulations.

7. Handling and Storage

Handling

General advice:
Avoid skin contact. No special measures necessary provided product is used correctly.

Protection against fire and explosion:
Keep away from sources of ignition - No smoking. The relevant fire protection measures should be noted.

Storage

General advice:
Keep only in the original container in a cool, well-ventilated place. Protect from direct sunlight. Store protected against freezing.

8. Exposure Controls and Personal Protection

Components with workplace control parameters

4,4'-methylenedicyclohexyl diisoncyanate	ACGIH	TWA value 0.005 ppm ;
Stoddard solvent	OSHA	PEL 500 ppm 2,900 mg/m3 ;
	ACGIH	TWA value 100 ppm ;
Titanium dioxide	OSHA	PEL 15 mg/m3 Total dust ;
	ACGIH	TWA value 10 mg/m3 ;
calcium oxide	OSHA	PEL 5 mg/m3 ;
	ACGIH	TWA value 2 mg/m3 ;

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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 ; The value is calculated from a specified equation using a value of 100%. Lower values of % will give higher exposure limits. See regulation for specific equation. TWA value 0.1 mg/m ³ Respirable ; The value is calculated from a specified equation using a value of 100%. Lower values of % will give higher exposure limits. See regulation for specific equation. TWA value 0.3 mg/m ³ Total dust ; The value is calculated from a specified equation using a value of 100%. Lower values of % will give higher exposure limits. See regulation for specific equation.
	ACGIH	TWA value 2 mg/m ³ Respirable fraction ; The value is for particulate matter containing no asbestos and <1% crystalline silica.
Limestone	OSHA	PEL 5 mg/m ³ Respirable fraction ; PEL 15 mg/m ³ Total dust ;

Personal protective equipment

Hand protection:

Chemical resistant protective gloves

Eye protection:

Safety glasses with side-shields.

Body protection:

Body protection must be chosen based on level of activity and exposure.

General safety and hygiene measures:

Avoid contact with the skin, eyes and clothing. No special measures necessary if stored and handled correctly. Handle in accordance with good building materials hygiene and safety practice. When using, do not eat, drink or smoke. Hands and/or face should be washed before breaks and at the end of the shift. At the end of the shift the skin should be cleaned and skin-care agents applied. Gloves must be inspected regularly and prior to each use. Replace if necessary (e.g. pinhole leaks).

9. Physical and Chemical Properties

Form:	paste	
Odour:	solvent-like	
Colour:	various colours	
pH value:		not applicable
Boiling point:	approx. 156 °C	
Density:	approx. 1.10 g/cm ³	(20 °C)
Vapour density:		Heavier than air.
Viscosity, dynamic:	approx. 4,000 - 8,000 poise	(20 °C)
Solubility in water:		(20 °C) slightly soluble
Miscibility with water:		(20 °C) not soluble

10. Stability and Reactivity

Conditions to avoid:

See MSDS section 7 - Handling and storage.

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Substances to avoid:

strong acids, strong bases, strong oxidizing agents

Hazardous reactions:

The product is stable if stored and handled as prescribed/indicated.

Decomposition products:

No hazardous decomposition products if stored and handled as prescribed/indicated.

Thermal decomposition:

No decomposition if stored and handled as prescribed/indicated.

Corrosion to metals:

Corrosive effects to metal are not anticipated.

11. Toxicological information

Acute toxicity

Information on: Stoddard solvent

Assessment of acute toxicity:

Aspiration may result in chemical pneumonitis, which may be fatal.

Information on: 4,4'-methylenedicyclohexyl diisocyanate

Assessment of acute toxicity:

Of high toxicity after short-term inhalation. Virtually nontoxic after a single ingestion. Virtually nontoxic after a single skin contact.

Inhalation of diisocyanates may cause irritation of the mucous membranes of the nose, throat or trachea, breathlessness, chest discomfort, difficult breathing and reduced pulmonary function. High airborne concentrations may result additionally in eye irritation, headache, chemical bronchitis, asthma-like symptoms or pulmonary edema. Isocyanates have also been reported to cause hyper-sensitivity pneumonitis, which is characterized by flu-like symptoms, the onset of which may be delayed. Symptoms include nausea, vomiting and abdominal pain.

Irritation / corrosion

Information on: calcium oxide

Assessment of irritating effects:

Corrosive! Damages skin and eyes.

Information on: 4,4'-methylenedicyclohexyl diisocyanate

Assessment of irritating effects:

Irritating to eyes and skin.

Sensitization

Information on: 4,4'-methylenedicyclohexyl diisocyanate

Assessment of sensitization:

The substance may cause sensitization of the respiratory tract. Sensitization after skin contact possible.

Repeated dose toxicity

Information on: Stoddard solvent

Assessment of repeated dose toxicity:

Overexposure may cause liver and kidney toxicity. Repeated exposures may result in pulmonary congestion.

Information on: 4,4'-methylenedicyclohexyl diisocyanate

Assessment of repeated dose toxicity:

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Acute or chronic overexposures to isocyanates may cause sensitization in some individuals, resulting in allergic symptoms of the lower respiratory tract (asthma-like), including wheezing, shortness of breath and difficulty breathing. Subsequent reactions may occur at or substantially below the PEL and TLV. Asthma caused by isocyanates, including HDI, may persist in some individuals after removal from exposure and may be irreversible.

Carcinogenicity

*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

Aquatic toxicity

*Information on: TDI
Assessment of aquatic toxicity:
Acutely harmful for aquatic organisms. The product may hydrolyse. The test result maybe partially due to degradation products. The inhibition of the degradation activity of activated sludge is not anticipated when introduced to biological treatment plants in appropriate low concentrations.*

Degradability / Persistence Biological / Abiological Degradation

Evaluation: Poorly biodegradable.

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

Other adverse effects:

Do not discharge product into the environment without control. The product has not been tested. The statements on ecotoxicology have been derived from the properties of the individual components.

13. Disposal considerations

Waste disposal of substance:

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

14. Transport Information

Land transport
USDOT

Not classified as a dangerous good under transport regulations

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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:

Chemical TSCA, US released / listed

OSHA hazard category:

IARC 1, 2A or 2B carcinogen; Chronic target organ effects reported; OSHA PEL established; ACGIH TLV established; Combustible Liquid

EPCRA 311/312 (Hazard categories):

Acute; Chronic; Fire

CERCLA RQ

5000 LBS

1000 LBS

100 LBS

CAS Number

7664-38-2

108-88-3

108-90-7; 78-84-2

Chemical name

phosphoric acid

Toluene

chlorobenzene; isobutyraldehyde

State regulations

State RTK

MA, NJ, PA

MA, NJ, PA

MA, NJ, PA

MA, NJ, PA

MA, NJ, PA

CAS Number

8052-41-3

13463-67-7

14807-96-6

1305-78-8

5124-30-1

Chemical name

Stoddard solvent

Titanium dioxide

talc

calcium oxide

4,4'-methylenedicyclohexyl diisoncyanate

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 α Flammability: 0 Physical hazard: 0

NFPA and HMIS use 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 extreme danger. Although similar, the two rating systems are intended for different purposes, and use different criteria. The NFPA system was developed to provide an on-the-spot alert to the hazards of a material, and their severity, to emergency responders. The HMIS system was designed to communicate workplace hazard information to employees who handle hazardous chemicals.

We support worldwide Responsible Care® initiatives. We value the health and safety of our employees, customers, suppliers and neighbors, and the protection of the environment. Our commitment to Responsible Care is integral to conducting our business and operating our facilities in a safe and environmentally responsible fashion, supporting our customers and suppliers in ensuring the safe and environmentally sound handling of our products, and minimizing the impact of our operations on society and the environment during production, storage, transport, use and disposal of our products.

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MSDS Prepared by:

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MSDS Prepared on: 2012/02/23

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