



The Chemical Company

MATERIAL SAFETY DATA SHEET

According to NOHSC: 2011 (2003) and HSNO CoP 8-1 (September 2006)

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product name: SONOSHIELD SONOGUARD TOPCOAT

Other name: None allocated.

Recommended use: One-component top coat for a waterproofing coating system for pedestrian traffic areas.

Supplier: BASF Construction Chemicals Australia Pty Ltd.
ABN 46 000 450 288

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2. HAZARDS IDENTIFICATION

Hazard classification: HAZARDOUS SUBSTANCE. DANGEROUS GOODS
Dangerous goods for transport according to the ADG code.
Hazardous according to the criteria in the Hazardous Substances (Minimum Degrees of Hazard) Regulations 2001 and NOHSC

Hazard Designation: Xn Harmful
Xi Irritant
Flammable liquid Class 3

HSNO Classification

3.1C	Flammable liquids: medium hazard
6.1C	Acutely toxic (inhalation)
6.1E	Acutely toxic (inhalation)
6.3A	Irritating to the skin
6.4A	Irritating to the eye
6.5B	Contact sensitizer (dermal)

Risk phrase(s): R10 Flammable.
R20 Harmful by inhalation.
R36/37/38 Irritating to eyes, respiratory system and skin.

Safety phrase(s): S3/7/9 Keep container tightly closed in a cool, well-ventilated place.
S16 Keep away from sources of ignition – No smoking
S33 Take precautionary measures against static discharges.
S36/37/39 Wear suitable protective gloves, clothing and eye/face protection.
S51 Use in a well-ventilated area.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	CAS Number	Proportion
Mineral spirits	8052-41-3	10 - <30%
Methylene bis (4-cyclohexylisocyanate)	5124-30-1	<10%
Non-hazardous ingredients	-----	to 100%

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4. FIRST AID MEASURES

<u>Inhalation:</u>	Remove to fresh air, keep warm and rest. Seek medical attention immediately.
<u>Eyes:</u>	While holding eyes open, gently flood with plenty of fresh water for 15 minutes. If irritation persists or recurs seek medical attention. Skilled personnel should only undertake removal of contact lenses after an eye injury.
<u>Skin:</u>	Flush contacted area thoroughly with soap and plenty of water. If irritation persists, seek medical attention.
<u>Ingestion:</u>	Do NOT induce vomiting. Wash mouth and give a glass of water. Seek medical attention.

5. FIRE FIGHTING MEASURES

<u>Suitable extinguishing media:</u>	Foam, CO ₂ and Dry Chemical.
<u>Hazards from combustion products:</u>	Oxides of carbon and other possibly toxic fumes from fire.
<u>Precautions for fire fighters:</u>	Containers can build up pressure if exposed to heat (fire). Full protective clothing with self contained breathing apparatus as per personal protection, section 8.
<u>Hazchem code:</u>	3Y

6. ACCIDENTAL RELEASE MEASURES

<u>Methods and materials for containment and clean up:</u>	Small or major spills should be adsorbed with dry, inert filler (soil or sand), which then can be shovelled into appropriately labelled drums for disposal.
<u>Environmental precautions:</u>	Avoid subsoil penetration. Do not allow to enter into drains, sewers or waterways.

7. HANDLING AND STORAGE

<u>Precautions for safe handling:</u>	Avoid ignition sources. Vapours can travel to a source of ignition and flash back. Do not pressurise, cut, weld, braze, solder, drill, grind or expose such container to heat, flame, sparks, static electricity or other sources of ignition; containers may explode and cause injury or death. Use spark-proof tools and explosion proof equipment. Ground and bound containers when transferring material. Fire produces irritating or poisonous gas. Wear personal protective equipment (PPE) as per Section 8. Provide for good ventilation. Avoid skin contact. Avoid generation of aerosols.
<u>Conditions for safe storage:</u>	Keep containers tightly closed; store under cool dry conditions between 5 - 35°C. Keep away from strong oxidising agents, food and drink. Keep out of reach of children. Store under cover and away from heat and moisture.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

<u>Engineering Controls:</u>	Ventilation is recommended under normal use conditions. State regulations on speed and direction of airflow away from operators must be observed. Keep containers closed when not in use.
<u>Exposure Standards</u>	Isocyanates, all (Sensitiser) ES-TWA: 0.2 mg/m ³ ES STEL: 0.7 mg/m ³ NZ WES TWA: 0.2 mg/m ³ NZ WES STEL: 0.7 mg/m ³ .
<u>Personal Protective Equipment (PPE):</u>	
<u>Respiratory protection:</u>	Type A1 if ventilation is inadequate

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<u>Glove type (AS2161):</u>	Chemical resistant, impervious gloves e.g. PVC, butyl rubber or nitrile rubber gauntlets (consult your local glove supplier/manufacturer).
<u>Eye protection:</u>	Chemical worker's goggles or well fitting safety glasses or full face shield.
<u>Clothing:</u>	No special clothing required but overalls or other suitable industrial clothing which provides full skin coverage are suggested as a general precaution, especially where heavy contamination is likely.
<u>Other:</u>	Use barrier creams to protect skin from contact with the material. Do not eat drink or smoke while working with the material. Always wash hands before smoking, eating, drinking or using the toilet and after finishing work. Observe the usual precautions when handling chemicals.

9. PHYSICAL AND CHEMICAL PROPERTIES

<u>Appearance:</u>	Pigmented liquid
<u>Odour:</u>	Characteristic, paint thinner odour
<u>pH:</u>	Not applicable
<u>Solubility in water:</u>	Insoluble
<u>Specific gravity:</u>	approx. 1.100 g/cm ³
<u>Flash point:</u>	approx. 51 °C
<u>Explosion Limit:</u>	UEL: 7.0 Vol.% LEL: 1.0 Vol.%
<u>Boiling point/range:</u>	155 - 157 °C
<u>Vapour pressure:</u>	Not available
<u>Evaporation rate:</u>	Slower than butyl acetate

10. STABILITY AND REACTIVITY

<u>Chemical stability:</u>	Stable under normal storage and application temperature.
<u>Incompatible materials:</u>	Strong oxidising agents.
<u>Hazardous decomposition products:</u>	Oxides of carbon and other possibly toxic fumes from fire.
<u>Hazardous reactions:</u>	Hazardous polymerisation will not occur.

11. TOXICOLOGICAL INFORMATION

<u>Health Hazard Summary:</u>	Susceptible individuals may develop allergic reactions such as dermatitis or asthma-like symptoms on a single significant skin exposure or may become sensitised to the material on repeated contact. Hence it is imperative that all forms of exposure be kept to an absolute minimum. This product contains solvents. Be warned that intentional misuse by deliberately inhaling contents may be harmful and fatal.
<u>Inhalation:</u>	Harmful if inhaled. Causes irritation to mucous membrane and respiratory tract. Headaches, dizziness, nausea, decreased blood pressure; changes in heart rate and cyanosis may result from overexposure to vapour.
<u>Eyes:</u>	Causes eye irritation and redness.
<u>Skin contact:</u>	Causes skin irritation. Repeated or prolonged skin contact can result in defatting and drying of the skin, which may result in skin irritation and dermatitis.



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Ingestion: Harmful. Causes irritation to mouth, throat and digestive tract.

Toxicity Data: Not available.

12. ECOLOGICAL INFORMATION

Ecology: Do not discharge into sewers, waterways or subsoils.

13. DISPOSAL CONSIDERATIONS

Disposal method and containers: Ensure containers are sealed. Dispose of to an approved land fill site. Refer to Local Waste Management Authority.

Special precautions (landfill/incineration): None known

14. TRANSPORT INFORMATION

UN number: 1263

Proper shipping name: PAINT

Dangerous goods class: 3

Subsidiary risk: None assigned

Packing group: III

Hazchem code: 3Y

15. REGULATORY INFORMATION

NICNAS / AICS: All components are listed

Poisons Schedule: Schedule 5

HSNO Classifications: 3.1C, 6.1C, 6.1E; 6.3A, 6.4A; 6.5B

ERMA Group Standard: HSR002662

ERMA / NZIoC: All components are listed

Tracking: Not required

Approved Handler: Not required

16. OTHER INFORMATION

Reason for issue: Update to combined Australia and New Zealand MSDS.

This MSDS summarises our best knowledge of the health and safety hazard information of the product and how to safely handle and use the product in the workplace. Each user should read this MSDS and consider the information in the context of how the product will be handled and used in the workplace including in conjunction with other products. If clarification or further information is needed to ensure that an appropriate risk assessment can be made, the user should contact this company. Our responsibility for products sold is subject to our standard terms and conditions, a copy of which is sent to our customers and is also available on request. All information contained in this MSDS is as accurate and up-to-date as possible. No warranty expressed or implied is made as to its accuracy, reliability or completeness.