

MATERIAL SAFETY DATA SHEET

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

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

<u>Product name:</u>	CONIPUR TC 458	
<u>Other name:</u>	Formerly Conipur 258	
<u>Recommended use:</u>	Moisture cured one-component low solvent polyurethane sealer.	
<u>Supplier:</u>	BASF Construction Chemicals Australia Pty Ltd. ABN 46 000 450 288	BASF New Zealand Ltd.
<u>Address:</u>	11 Stanton Road, Seven Hills, NSW, 2147 Australia	45 William Pickering Drive, Albany, Auckland, New Zealand
<u>Telephone number:</u>	+61 2 8811 4200	+64 9 414 7233
<u>Facsimile:</u>	+61 2 8811 3299	+64 9 414 7244
<u>Emergency telephone number:</u>	+61 417 658 263	

2. HAZARDS IDENTIFICATION

<u>Hazard classification:</u>	HAZARDOUS SUBSTANCE. DANGEROUS GOODS. Hazardous according to the criteria in the Hazardous Substances (Minimum Degrees of Hazard) Regulations 2001	
<u>Hazard Designation:</u>	Xn Harmful N Dangerous for the environment	
<u>HSNO Classification</u>	3.1C	Flammable liquid and vapour
	6.1D	Acutely toxic (inhalation)
	6.5A	Respiratory sensitiser
	6.5B	Contact sensitiser (dermal)
	9.1B	Toxic to aquatic life with long lasting effects
	R10	Flammable.
	R20	Harmful by inhalation.
<u>Risk phrase(s):</u>	R43	May cause sensitisation by skin contact.
	R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
	S2	Keep out of reach of children.
	S35	This material and its container must be disposed of in a safe way.
	S37	Wear suitable gloves.
<u>Safety phrase(s):</u>	S51	Use only in well ventilated areas.
	S61	Avoid release to the environment. Refer to special instructions / safety data sheet.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Characterisation:

<u>Chemical Name</u>	<u>CAS Number</u>	<u>Proportion</u>
Aromatic hydrocarbon	64742-95-6	10 - < 30 %
1,2,4-Trimethylbenzene	95-63-6	< 10 %
N-Propylbenzene	103-65-1	< 10 %

MATERIAL SAFETY DATA SHEET

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

Aliphatic polyisocyanate	28182-81-2	< 10 %
Mesitylene	108-67-8	< 10 %
Dibutyltin diluarate	77-58-7	< 10 %
Isophorone diisocyanate	4098-71-9	< 10 %
N-Butyl-1,2-benzisothiazolin-3-one	4299-07-4	< 10 %
Aluminium hydroxide	21645-51-2	30 – 60 %
Non hazardous ingredients		To 100%

4. FIRST AID MEASURES

Inhalation: Take the casualty into the fresh air and keep warm. Keep at rest. If breathing is irregular or not present, administer artificial respiration. If patient is unconscious, place in recovery position and call a physician immediately.

Eyes: Remove contact lenses and keep eyelids open. Flush with plenty of water for 10 – 15 minutes. Call a physician immediately.

Skin: Immediately remove all contaminated clothing. Flush contacted area thoroughly with soap and plenty of water and rinse. Do NOT use solvents or thinners.

Ingestion: Not a normal route of injury. Contact a doctor immediately. Keep at rest. Do NOT induce vomiting.

5. FIRE FIGHTING MEASURES

Suitable extinguishing media: Alcohol resistant foam, CO₂, Dry Chemical and Water Spray. Do not use Water Jet.

Hazards from combustion products: Fire will produce dense black smoke. Exposure to decomposition products may cause a health hazard. During a fire, carbon monoxide, nitrogen oxide, isocyanate vapours and traces of hydrogen cyanide may be given off.

Precautions and equipment for fire fighters: Appropriate breathing apparatus may be required. Cool endangered containers with water in case of fire. Do not allow the extinguishing water into the sewage system.

Hazchem code: 3Y

6. ACCIDENTAL RELEASE MEASURES

Methods and materials for containment and clean up: Remove ignition sources. Provide for sufficient ventilation. Do not inhale the vapour. Contain and collect spillage with non-combustible absorbent materials (e.g. sand, earth, vermiculite, diatomaceous earth) and place in container for disposal according to the local regulations (see Section 13). Do not seal drums as carbon dioxide may be given off.

Environmental precautions: Do not allow to enter into drains, sewers or waterways. If the product contaminates lakes, rivers or sewage system, inform appropriate authorities in accordance with local regulations.

7. HANDLING AND STORAGE

Precautions for safe handling: Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentrations higher than the occupational exposure limit (OEL). Additionally, the product should only be used in area from which all naked lights and other sources of ignition have been excluded. Preparation may charge electrostatically: always ground equipment during transfer operations. Operators should wear antistatic footwear and clothing. No sparking tools should be used.

Ensure workplace is well ventilated. Do not inhale the vapour. Avoid contact with skin and eyes. Do not eat, drink or smoke while working with this material or while working in the general area during application. Wash hands thoroughly before eating, drinking or smoking. Use a barrier cream before and after working with this product. Comply with all health and safety at work laws.

Conditions for safe storage:

Store in a cool, dry and well ventilated area. Keep away from ignition sources. No smoking! Store under cover and away from direct sunlight, heat and moisture. Containers that are opened must be carefully resealed and kept upright to prevent leakage. Store away from strong oxidising agents, acids and alkaline materials. Store at 5 - 35°C. Keep out of reach of children.

8. EXPOSURE CONTROLS / PERSONAL PROTECTIONEngineering Controls:

Provide adequate ventilation. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations of vapours or particles below the OEL (Occupational Exposure Limit), suitable respiratory protection must be worn. Sensitised persons are not recommended to work with this product.

Exposure Standards

Isocyanates, all (Sensitiser)
ES-TWA: 0.2 mg/m³
ES STEL: 0.7 mg/m³
NZ WES TWA: 0.2 mg/m³
NZ WES STEL: 0.7 mg/m³

Personal Protective Equipment (PPE):Respiratory protection:

If spraying: air supplied respirator. Other operations than spraying: If workplace is well ventilated, air supplied respirators could be replaced by a combination of charcoal filter and particulate filter mask. Refer to specialist mask supplier.

Glove type (AS2161):

Butyl rubber, PVC or nitrile rubber gloves.

Eye protection:

Safety glasses with side-shields.

Clothing:

Overalls or similar light protective clothing.

Other:

Use barrier creams to protect skin from contact 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 PROPERTIESAppearance:

Coloured liquid

Odour:

Solvent-like

pH:

Not available

Vapour pressure:

approx. 30 hPa (50°C)

Solubility in water:

Not available

Specific gravity:

approx. 1.3 g/cm³ at 20°C

Melting point:

Not available

Flash point:

approx. 48°C [DIN 53213]

Boiling point:

Not available

Flammability limits:

Not available

Viscosity:

1000 mPa.s

Solvent separation test: < 3 % (20°C)

10. STABILITY AND REACTIVITY

<u>Chemical stability:</u>	Stable under normal storage and application temperatures.
<u>Incompatible materials:</u>	Keep away from oxidising agents, strongly alkaline and strongly acidic materials in order to avoid exothermic reactions.
<u>Hazardous decomposition products:</u>	When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide, carbon dioxide, smoke and oxides of nitrogen.
<u>Hazardous reactions:</u>	Exothermic reaction with amines and alcohols. In contact with water (moisture), carbon dioxide is formed which leads to excess pressure in closed containers.

11. TOXICOLOGICAL INFORMATION

<u>Health Hazard Summary:</u>	Based on the properties of the isocyanate components and considering the toxicological data on similar preparations, this preparation may cause acute irritation and/or sensitisation of the respiratory system leading to an asthmatic condition, wheeziness and lightness of the chest. Sensitised persons may subsequently show asthmatic symptoms when exposed to atmospheric concentrations well below the occupational exposure limit (OEL). Repeated exposure may lead to permanent respiratory disability. Delayed reaction possible (e.g. breathing problems, coughs, asthma).
<u>Inhalation:</u>	In high concentrations, the vapour is irritating to the mucous membranes. Narcotic effects are also possible, which may lead to loss of coordination. Prolonged inhalation of vapours in high concentrations may lead to headache, giddiness and nausea.
<u>Eyes:</u>	Eye contact may cause irritation.
<u>Skin contact:</u>	Mild skin irritation and redness from prolonged contact. May cause sensitisation by skin contact.
<u>Ingestion:</u>	The product may be harmful by ingestion.
<u>Toxicity Data:</u>	Not available

12. ECOLOGICAL INFORMATION

<u>Ecotoxicity:</u>	In contact with water (moisture), the product is converted into an insoluble, inert solid polyurea, which liberates carbon dioxide (CO ₂). Do not empty into waterways or drains.
---------------------	---

13. DISPOSAL CONSIDERATIONS

<u>Disposal method and containers:</u>	Contaminated packaging must be emptied of all residues and, following appropriate cleaning, may be sent to a recycling plant. Uncleaned packaging must be disposed of in the same manner as the medium. Residue can be rendered harmless by reacting with a mixture of isopropanol, ammonia and water. Reaction is promoted by detergents and water soluble solvent.
<u>Special precautions (landfill/incineration):</u>	None known

14. TRANSPORT INFORMATION

<u>UN number:</u>	1866
<u>UN proper shipping name:</u>	RESIN SOLUTION

MATERIAL SAFETY DATA SHEET

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

<u>Dangerous goods class:</u>	3
<u>Subsidiary risk:</u>	None allocated
<u>Packing group:</u>	III
<u>Hazchem code:</u>	3Y

15. REGULATORY INFORMATION

NICNAS / AICS:	All components are listed
Poisons Schedule:	Schedule 5
HSNO Classifications:	3.1C, 6.1D, 6.5A, 6.5B, 9.1B
ERMA Group Standard:	HSR002495
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.