

1 Identification

Product Name: CARBOND 940 FC

Other Means of Identification: Mixture

Recommended Use of the Chemical and Restriction on Use: Construction sealant

Details of Manufacturer or Importer:

Soudal Australia Pty Ltd
Unit 1, 29 Prince William Drive
Seven Hills NSW 2147

Phone Number: 02 8678 7449

Emergency telephone number: 1300 507 011

2 Hazard(s) Identification

Hazardous Nature:

Classified as Hazardous according to the Globally Harmonised System of Classification and Labelling of Chemicals (GHS) and Safe Work Australia criteria.

Not classified as Dangerous Goods according to the Australian Code for the Transport of Dangerous Goods by Road and Rail. (7th edition)



health hazard

Respiratory Sensitisation 1 H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.

Signal Word Danger

Hazard Statements

H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.

Precautionary Statements

P284 [In case of inadequate ventilation] wear respiratory protection.

P261 Avoid breathing dust/fume/gas/mist/vapours/spray.

P342+P311 If experiencing respiratory symptoms: Call a POISON CENTER/doctor.

P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.








P501 Dispose of contents/container in accordance with local/regional/national regulations.

3 Composition and Information on Ingredients

Chemical Characterization: Mixtures

Description: Mixture of substances listed below with nonhazardous additions.

Hazardous Components:

1330-20-7	Xylene  Flammable Liquids 3, H226;  Acute Toxicity (Dermal) 4, H312; Acute Toxicity (Inhalation) 4, H332; Skin Corrosion/Irritation 2, H315; STOT SE 3, H335	1 - <10%
100-41-4	Benzene, ethyl-  Flammable Liquids 2, H225;  Acute Toxicity (Inhalation) 4, H332; Skin Corrosion/Irritation 2, H315; Serious Eye Damage/Irritation 2A, H319	1 - <5%
101-68-8	4,4'-methylenediphenyl diisocyanate  Acute Toxicity (Inhalation) 2, H330;  Respiratory Sensitisation 1, H334; Carcinogenicity 2, H351; STOT RE 1, H372;  Skin Corrosion/Irritation 2, H315; Serious Eye Damage/Irritation 2A, H319; Skin Sensitisation 1, H317; STOT SE 3, H335	0.1 - <1%

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4 First Aid Measures

Inhalation:

If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Seek medical attention if breathing problems develop.

Skin Contact:

In case of skin contact, immediately remove contaminated clothing and wash affected areas with water and soap. Seek medical attention if symptoms occur.

Eye Contact:

In case of eye contact, hold eyelids open and rinse with water for at least 15 minutes. Seek medical attention if symptoms occur.

Ingestion:

If swallowed, do not induce vomiting. Immediately rinse mouth with water. Give a glass of water. Never give anything by mouth to an unconscious person. Seek immediate medical attention.

Symptoms Caused by Exposure:

Inhalation: May cause headache, nausea, dizziness and narcosis. May cause allergy or asthma symptoms or breathing difficulties if inhaled.

Skin Contact: May cause irritation or tingling of the skin.

Eye Contact: May cause eye irritation.

Ingestion: May cause symptoms similar to inhalation.

5 Fire Fighting Measures

Suitable Extinguishing Media: Use fire extinguishing methods suitable to surrounding conditions.

Specific Hazards Arising from the Chemical:

Hazardous combustion products include oxides of carbon and sulphur and hydrogen chloride.

Product is not flammable.

Containers close to fire should be removed if safe to do so. Use water spray to cool fire exposed containers.

Special Protective Equipment and Precautions for Fire Fighters:

When fighting a major fire wear self-contained breathing apparatus and protective equipment.

6 Accidental Release Measures

Personal Precautions, Protective Equipment and Emergency Procedures:

Wear approved respiratory protection, chemical resistant gloves, protective clothing and safety boots. Evacuate all non-essential personnel from affected area. Do not breathe vapours. Ensure adequate ventilation. Extinguish all sources of ignition. Avoid sparks and open flames. No smoking.

Environmental Precautions:

In the event of a major spill, prevent spillage from entering drains or water courses.

Methods and Materials for Containment and Cleaning Up:

Stop leak if safe to do so. Allow the product to solidify and then collect the spilled material and place into a suitable container for disposal. Clean the spill area with acetone.

7 Handling and Storage

Precautions for Safe Handling:

Use of safe work practices are recommended to avoid eye or skin contact and inhalation of vapours. Use only outdoors or in a well-ventilated area.

Take precautionary measures against static discharge. Food, beverages and tobacco products should not be stored or consumed where this material is in use. Always wash hands before smoking, eating, drinking or using the toilet. Wash contaminated clothing and other protective equipment before storage or re-use. Contaminated work clothing must not be allowed out of the workplace. Provide eyewash fountains and safety

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showers in close proximity to points of potential exposure.

Conditions for Safe Storage:

Store in a cool, dry and well ventilated area. Keep container tightly closed. Protect from heat, sparks, open flames, hot surfaces and direct sunlight.

Suitable packaging material: Aluminium

Max. storage time: 1 year.

8 Exposure controls and personal protection

Exposure Standards:**1330-20-7 Xylene**

WES	STEL: 655 mg/m ³ , 150 ppm TWA: 350 mg/m ³ , 80 ppm
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100-41-4 Benzene, ethyl-

WES	STEL: 543 mg/m ³ , 125 ppm TWA: 434 mg/m ³ , 100 ppm
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101-68-8 4,4'-methylenediphenyl diisocyanate

WES	STEL: 0.07 mg/m ³ TWA: 0.02 mg/m ³ Sen; as -NCO
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Engineering Controls:

Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapour below occupational exposure standards.

Respiratory Protection:

Use an approved type A vapour respirator under conditions where exposure to the substance is apparent (e.g. generation of high concentrations of mist or vapour, inadequate ventilation, development of respiratory tract irritation) and engineering controls are not feasible. See Australian Standards AS/NZS 1715 and 1716 for more information.

Skin Protection:

Protective gloves. See Australian/New Zealand Standard AS/NZS 2161 for more information. When selecting gloves for use against certain chemicals, the degradation resistance, permeation rate and permeation breakthrough time should be considered.

Occupational protective clothing (depending on conditions in which it has to be used, in particular as regards the period for which it is worn, which shall be determined on the basis of the seriousness of the risk, the frequency of exposure to the risk, the characteristics of the workstation of each worker and the performance of the protective clothing). See Australian/New Zealand Standard AS/NZS 4501 for more information.

Eye and Face Protection:

Eye and face protectors for protection against splashing materials or liquids. See Australian/New Zealand Standard AS/NZS 1337 for more information.

9 Physical and Chemical Properties

Appearance:

Form:	Liquid
Colour:	Variable colour.
Odour:	Solvent-like
Odour Threshold:	No information available
pH-Value:	No information available
Melting point/freezing point:	No information available
Initial Boiling Point/Boiling Range:	No information available

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Flash Point:	Not applicable
Flammability:	Product is not flammable.
Auto-ignition Temperature:	Not available
Decomposition Temperature:	No information available
Explosion Limits:	
Lower:	No information available
Upper:	No information available
Vapour Pressure:	No information available
Relative Density at 20 °C:	1.3
Vapour Density:	>1
Evaporation Rate:	No information available
Solubility in Water:	Insoluble
Solubility in Solvents:	Soluble in organic solvents.
Partition Coefficient (n-octanol/water):	No information available
Viscosity:	Viscous
VOC:	104 - 169 g/L

10 Stability and Reactivity

Possibility of Hazardous Reactions: Hazardous polymerisation will not occur.

Chemical Stability: Stable at ambient temperature and under normal conditions of use.

Conditions to Avoid: Heat, sparks, open flames, hot surfaces and direct sunlight.

Incompatible Materials: No further relevant information available.

Hazardous Decomposition Products: Oxides of carbon and sulphur and hydrogen chloride.

11 Toxicological Information

Toxicity:

LD₅₀/LC₅₀ Values Relevant for Classification:

1330-20-7 Xylene

Oral	LD ₅₀	3523 mg/kg (rat)
Dermal	LD ₅₀	>4200 mg/kg (rabbit)
	LD ₅₀	2000 mg/kg (rabbit)
Inhalation	LC ₅₀ /4 h	27.57 mg/L (rat)

100-41-4 Benzene, ethyl-

Oral	LD ₅₀	3500 mg/kg (rat)
Dermal	LD ₅₀	15432 mg/kg (rabbit)
Inhalation	LC ₅₀ /4 h	1432 ppm (mouse)

101-68-8 4,4'-methylenediphenyl diisocyanate

Oral	LD ₅₀	>7616 mg/kg (rat)
	LD ₅₀	2200 mg/kg (mouse)
Dermal	LD ₅₀	>9400 mg/kg (rabbit)
Inhalation	LC ₅₀ /4 h	0.49 mg/L (rat)

Acute Health Effects

Inhalation:

May cause headache, nausea, dizziness and narcosis. May cause allergy or asthma symptoms or breathing difficulties if inhaled.

Skin: May cause irritation or tingling of the skin.

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Eye: May cause eye irritation.**Ingestion:** May cause symptoms similar to inhalation.**Skin Corrosion / Irritation:** Based on classification principles, the classification criteria are not met.**Serious Eye Damage / Irritation:** Based on classification principles, the classification criteria are not met.**Respiratory or Skin Sensitisation:**

May cause allergy or asthma symptoms or breathing difficulties if inhaled.

Germ Cell Mutagenicity: Based on classification principles, the classification criteria are not met.**Carcinogenicity:**

Ethylbenzene is classified by IARC as Group 2B - Possibly carcinogenic to humans.

Xylenes and 4, 4'-Methylenediphenyl diisocyanate are classified by IARC as Group 3 - Not classifiable as to its carcinogenicity to humans.

Reproductive Toxicity: Based on classification principles, the classification criteria are not met.**Specific Target Organ Toxicity (STOT) - Single Exposure:**

Based on classification principles, the classification criteria are not met.

Specific Target Organ Toxicity (STOT) - Repeated Exposure:

Based on classification principles, the classification criteria are not met.

Aspiration Hazard: Based on classification principles, the classification criteria are not met.**Chronic Health Effects:**

Prolonged or repeated exposure may cause respiratory difficulties and skin rash / inflammation.

Existing Conditions Aggravated by Exposure: No information available**Additional toxicological information:** No information available

12 Ecological Information

Ecotoxicity:**Aquatic toxicity:****1330-20-7 Xylene**EC₅₀/48 h 3.82 mg/L (daphnia)EC₅₀/72 h 4.36 mg/L (pseudokirchnerie lla subcapitata)LC₅₀/96 h 2.6 mg/L (rainbow trout)**100-41-4 Benzene, ethyl-**EC₅₀/24 h 96 mg/L (bacterial)EC₅₀/48 h 1.8 - 2.4 mg/L (daphnia)EC₅₀/72 h 4.6 mg/L (selenastrum capricornutum)LC₅₀/96 h 4.2 mg/L (rainbow trout)**101-68-8 4,4'-methylenediphenyl diisocyanate**EC₅₀/3 h >100 mg/L (activated sludge inhibition)EC₅₀/24 h 129.7 mg/L (daphnia)EC₅₀/72 h >1640 mg/L (green algae)LC₅₀/96 h >1000 mg/L (brachydanio rerio)**Persistence and Degradability:** Contains non readily biodegradable component(s).**Bioaccumulative Potential:**

Does not contain bioaccumulative component(s).

Xylene BCF: 7 - 26

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Benzene, ethyl- BCF: 1
4,4'-methylenediphenyl diisocyanate BCF: 92 - 200

Mobility in Soil: Contains component(s) with potential for mobility in the soil.**Other adverse effects:**

Global warming potential (GWP)

None of the known components is included in the list of fluorinated greenhouse gases.

Ozone-depleting potential (ODP)

Not classified as dangerous for the ozone layer.

13 Disposal considerations

Disposal Methods and Containers: Dispose according to applicable local and state government regulations.**Special Precautions for Landfill or Incineration:**

Please consult your state Land Waste Management Authority for more information.

14 Transport information

UN Number Not regulated**Proper Shipping Name** Not regulated**Dangerous Goods Class** Not regulated**Packing Group:** Not regulated

15 Regulatory information

Australian Inventory of Chemical Substances:

1330-20-7	Xylene
100-41-4	Benzene, ethyl-
101-68-8	4,4'-methylenediphenyl diisocyanate

Standard for the Uniform Scheduling of Drugs and Poisons (SUSMP) - Poison Schedule:

Poisons Schedule: 6

16 Other information

Date of Preparation or Last Revision: 28.02.2017**Prepared by:** MSDS.COM.AU Pty Ltdwww.msds.com.au**Abbreviations and acronyms:**

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

CAS: Chemical Abstracts Service (division of the American Chemical Society)

LC₅₀: Lethal concentration, 50 percentLD₅₀: Lethal dose, 50 percent

IARC: International Agency for Research on Cancer

STEL: Short Term Exposure Limit

TWA: Time Weighted Average

NES: National Exposure Standard (Safe Work Australia - Workplace Exposure Standards For Airborne Contaminants)

Flammable Liquids 2: Flammable liquids – Category 2

Flammable Liquids 3: Flammable liquids – Category 3

Acute Toxicity (Dermal) 4: Acute toxicity – Category 4

Acute Toxicity (Inhalation) 2: Acute toxicity – Category 2

Skin Corrosion/Irritation 2: Skin corrosion/irritation – Category 2

Serious Eye Damage/Irritation 2A: Serious eye damage/eye irritation – Category 2A

Respiratory Sensitisation 1: Respiratory sensitisation, Hazard Category 1

Skin Sensitisation 1: Skin sensitisation, Hazard Category 1

Carcinogenicity 2: Carcinogenicity – Category 2

STOT SE 3: Specific target organ toxicity (single exposure) – Category 3

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STOT RE 1: Specific target organ toxicity (repeated exposure) – Category 1

Disclaimer

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