

1 . IDENTIFICATION: PRODUCT IDENTIFIER AND CHEMICAL IDENTITY

Product Name: WATERPROOF PU ADHESIVE

Other Means of Identification: Mixture

Product Code: 45246

Recommended Use of the Chemical and Restriction on Use: Adhesive

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 . HAZARDS 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

Resp. Sens. 1	H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.
Carc. 2	H351 Suspected of causing cancer.
STOT RE 1	H372 Causes damage to organs through prolonged or repeated exposure.



Acute Tox. (Inhalation) 4	H332 Harmful if inhaled.
Skin Irrit. 2	H315 Causes skin irritation.
Eye Irrit. 2A	H319 Causes serious eye irritation.
Skin Sens. 1	H317 May cause an allergic skin reaction.
STOT SE 3	H335 May cause respiratory irritation.

Signal Word Danger

Hazard Statements

H332 Harmful if inhaled.
H315 Causes skin irritation.
H319 Causes serious eye irritation.
H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H317 May cause an allergic skin reaction.
H351 Suspected of causing cancer.
H335 May cause respiratory irritation.
H372 Causes damage to organs through prolonged or repeated exposure.

Precautionary Statements

P260	Do not breathe dust/fume/gas/mist/vapours/spray.
P284	[In case of inadequate ventilation] wear respiratory protection.
P280	Wear protective gloves/protective clothing/eye protection/face protection.

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P264	Wash hands thoroughly after handling.
P270	Do not eat, drink or smoke when using this product.
P271	Use only outdoors or in a well-ventilated area.
P272	Contaminated work clothing should not be allowed out of the workplace.
P201	Obtain special instructions before use.
P202	Do not handle until all safety precautions have been read and understood.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P321	Specific treatment (see on this label).
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.
P312	Call a POISON CENTER/doctor if you feel unwell.
P308+P313	IF exposed or concerned: Get medical advice/attention.
P333+P313	If skin irritation or rash occurs: Get medical advice/attention.
P337+P313	If eye irritation persists: Get medical advice/attention.
P314	Get medical advice/attention if you feel unwell.
P302+P352	IF ON SKIN: Wash with plenty of water.
P362+P364	Take off contaminated clothing and wash it before reuse.
P405	Store locked up.
P403+P233	Store in a well-ventilated place. Keep container tightly closed.
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:

9016-87-9	Isocyanic acid, polymethylenepolyphenylene ester	>25%
	 Acute Tox. (Inhalation) 3, H331;  Resp. Sens. 1, H334; Carc. 2, H351; STOT RE 2, H373;  Skin Irrit. 2, H315; Eye Irrit. 2A, H319; Skin Sens. 1, H317; STOT SE 3, H335	

Additional information:

Note J: The classification as a carcinogen or mutagen need not apply if it can be shown that the substance contains less than 0.1% w/w benzene (EINECS no. 200-753-7). This note applies only to certain complex coal- and oil- derived substances in Annex I. (CAS No. 90989-38-1).

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 persist.

Eye Contact:

In case of eye contact, hold eyelids open and rinse with water for at least 15 minutes. Do not use neutralising agents. Seek medical attention if symptoms persist.

Ingestion:

If swallowed, do not induce vomiting. Immediately rinse mouth with water. Never give anything by mouth to an unconscious person. Seek medical attention if symptoms occur.

Symptoms Caused by Exposure:

Inhalation: Toxic if inhaled. May cause respiratory irritation, coughing and runny nose. Exposure to high concentrations may cause CNS depression, dizziness, headache, narcosis and unconsciousness.

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Skin Contact: Causes skin irritation and tingling.

Eye Contact: Causes serious eye irritation.

Ingestion: Ingestion of large quantities may cause CNS depression, enlargement /affection of the liver and symptoms similar to inhalation.

5 . FIRE FIGHTING MEASURES

Suitable Extinguishing Media: Water fog, polyvalent foam, BC powder or carbon dioxide.**Specific Hazards Arising from the Chemical:**

Hazardous combustion products include oxides of carbon and nitrous compounds. Hydrogen cyanide is released on heating.

Product is not flammable or combustible.

Reacts violently with (some) acids/bases. Heating increases the fire hazard.

Use water spray to cool fire exposed containers. Do not move the load if exposed to heat. Dilute toxic gases with water spray.

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, solvent resistant gloves, protective clothing, apron and 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 and contain spill. Allow the product to solidify and then collect the material and place into a closing container for disposal. Clean contaminated surfaces 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.

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. Contaminated work clothing must not be allowed out of the workplace. Wash contaminated clothing and other protective equipment before storage or re-use. Provide eyewash fountains and safety showers in close proximity to points of potential exposure.

Conditions for Safe Storage:

Store in a cool, dry and well ventilated area. Keep in original container tightly closed when not in use. Store at room temperature. Protect from heat, sparks, open flames and other sources of ignition. Keep away from strong acids and bases. Max. storage time is 1 year(s). Suitable packaging is synthetic material.

8 . EXPOSURE CONTROLS AND PERSONAL PROTECTION

Exposure Standards:**9016-87-9 Isocyanic acid, polymethylenepolyphenylene ester**

NES	STEL: 0.07 mg/m ³ TWA: 0.02 mg/m ³ Sen, as -NCO
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Engineering Controls:

Total enclosure with good general ventilation is recommended when isocyanates are used.

If total enclosure is not possible, local exhaust ventilation is recommended when vapours can be released in

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excess of established airborne exposure limits. Where local exhaust ventilation is installed, exhaust vapours should not be vented to the exterior in such a manner as to create a hazard.

Respiratory Protection:

Respiratory protection must be carefully selected based on information available through the risk assessment process. As a guide, positive pressure air supplied respirators or self-contained breathing apparatus will be required where materials containing isocyanates are sprayed. The concentration of isocyanate present in the air will determine the level of protection required in other circumstances. The respiratory protection selected must be capable of reducing exposure below the occupational exposure standard. See Australian Standards AS/NZS 1715 and 1716 for more information.

Skin Protection:

Teflon, viton, nitrile rubber and some PVA 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:	Brown
Odour:	Solvent-like
Odour Threshold:	No information available
pH-Value:	No information available
Melting point/Melting range:	No information available
Initial Boiling Point/Boiling Range:	No information available
Flash Point:	Not applicable
Flammability:	Product is not flammable.
Auto-ignition Temperature:	No information available
Decomposition Temperature:	No information available
Explosion Limits:	
Lower:	No information available
Upper:	No information available
Vapour Pressure:	No information available
Absolute Density at 20 °C:	1100 kg/m ³
Relative Density at 20 °C:	1.1
Vapour Density:	>2
Evaporation Rate:	No information available
Solubility in Water:	Insoluble
Viscosity:	No information available
VOC:	7 %

10 . STABILITY AND REACTIVITY

Possibility of Hazardous Reactions:

Reacts violently with (some) acids/bases. Heating increases the fire hazard.

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

Conditions to Avoid: Heat, sparks, open flames and other sources of ignition.

Incompatible Materials: Strong acids and bases.

Hazardous Decomposition Products: Oxides of carbon, nitrous compounds and hydrogen cyanide.

11 . TOXICOLOGICAL INFORMATION

Toxicity:

LD₅₀/LC₅₀ Values Relevant for Classification:

90989-38-1 Aromatic hydrocarbons, C8

Oral	LD ₅₀	3523 - >4000 mg/kg (rat)
Dermal	LD ₅₀	>4200 mg/kg (rabbit)
Inhalation	LC ₅₀ /4 h	29 mg/L (rat)

9016-87-9 Isocyanic acid, polymethylenepolyphenylene ester

LD50 (Oral) >10000 mg/kg (rat)

LD50 (Dermal) >5000 mg/kg (rabbit)

LD50/4 h 10 - 20 mg/L (rat)

Acute Health Effects

Inhalation:

Toxic if inhaled. May cause respiratory irritation, coughing and runny nose. Exposure to high concentrations may cause CNS depression, dizziness, headache, narcosis and unconsciousness.

Skin: Causes skin irritation and tingling.

Eye: Causes serious eye irritation.

Ingestion:

Ingestion of large quantities may cause CNS depression, enlargement /affection of the liver and symptoms similar to inhalation.

Skin Corrosion / Irritation: Causes skin irritation.

Serious Eye Damage / Irritation: Causes serious eye irritation.

Respiratory or Skin Sensitisation:

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

May cause an allergic skin reaction.

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

Carcinogenicity:

Suspected of causing cancer.

Isocyanic acid, polymethylenepolyphenylene ester is classified by Safe Work Australia as Carcinogen Category 3.

Polymethylene polyphenyl isocyanate is 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: May cause respiratory irritation.

Specific Target Organ Toxicity (STOT) - Repeated Exposure:

Causes damage to organs through prolonged or repeated exposure.

Aspiration Hazard: Based on classification principles, the classification criteria are not met.

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Chronic Health Effects:

Repeated or prolonged exposure may cause dry skin, itching, skin rash, inflammation or respiratory difficulties.

Existing Conditions Aggravated by Exposure: No information available**12 . ECOLOGICAL INFORMATION****Ecotoxicity:** No information available**Aquatic toxicity:****90989-38-1 Aromatic hydrocarbons, C8**EC₅₀/48 h 3.82 mg/L (daphnia)LC₅₀/96 h 2.6 mg/L (rainbow trout)**9016-87-9 Isocyanic acid, polymethylenepolyphenylene ester**EC₅₀ >100 mg/L (activated sludge inhibition)**Persistence and Degradability:** Contains non readily biodegradable component(s).**Bioaccumulative Potential:** Does not contain bioaccumulative component(s).**Mobility in Soil:** Contains component(s) with the 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.

Aromatic hydrocarbons, C8 is a ground water pollutant.

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**Marine pollutant:** No**15 . REGULATORY INFORMATION****Australian Inventory of Chemical Substances:**

90989-38-1 Aromatic hydrocarbons, C8

9016-87-9 Isocyanic acid, polymethylenepolyphenylene ester

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

Poisons Schedule: 5

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16 . OTHER INFORMATION

Date of Preparation or Last Revision: 08.03.2016**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)

VOC: Volatile Organic Compounds

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)

Acute Tox. (Inhalation) 3: Acute toxicity, Hazard Category 3

Acute Tox. (Inhalation) 4: Acute toxicity, Hazard Category 4

Skin Irrit. 2: Skin corrosion/irritation, Hazard Category 2

Eye Irrit. 2A: Serious eye damage/eye irritation, Hazard Category 2A

Resp. Sens. 1: Respiratory sensitisation, Hazard Category 1

Skin Sens. 1: Skin sensitisation, Hazard Category 1

Carc. 2: Carcinogenicity, Hazard Category 2

STOT SE 3: Specific target organ toxicity - Single exposure, Hazard Category 3

STOT RE 1: Specific target organ toxicity - Repeated exposure, Hazard Category 1

STOT RE 2: Specific target organ toxicity - Repeated exposure, Hazard Category 2

Disclaimer

This SDS is prepared in accord with the Safe Work Australia document "Code of Practice for the Preparation of Safety Data Sheets for Hazardous Chemicals - December 2011"

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