

1. IDENTIFICATION: PRODUCT IDENTIFIER AND CHEMICAL IDENTITY

Product Name: SOUDAL TRADE GAP FILLER WITH GENIUS GUN

Other Means of Identification: Mixture

Recommended Use of the Chemical and Restriction on Use: Polyurethane

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 criteria of National Occupational Health & Safety Commission (NOHSC), Australia.

Classified as Dangerous Goods according to the Australian Code for the Transport of Dangerous Goods by Road and Rail (7th edition).



flame

Flam. Aerosol 1 H222-H229 Extremely flammable aerosol. Pressurised container: May burst if heated.



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 2 H373 May cause damage to organs through prolonged or repeated exposure.



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.

Acute Tox. 5 H333 May be harmful if inhaled.

Signal Word Danger

Hazard Statements

H222-H229 Extremely flammable aerosol. Pressurised container: May burst if heated.

H333 May be 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.

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H373 May cause damage to organs through prolonged or repeated exposure.

Precautionary Statements

- P210 Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
- P251 Pressurized container: Do not pierce or burn, even after use.
- P260 Do not breathe dust/fume/gas/mist/vapours/spray.
- P284 Wear respiratory protection.
- P211 Do not spray on an open flame or other ignition source.
- P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
- P280 Wear protective gloves/protective clothing/eye protection/face protection.
- P264 Wash hands thoroughly after handling.
- 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).
- P304+P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
- P308+P313 IF exposed or concerned: Get medical advice/attention.
- P332+P313 If skin irritation occurs: 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.
- P304+P312 IF INHALED: Call a POISON CENTER/doctor if you feel unwell.
- P312 Call a POISON CENTER/doctor if you feel unwell.
- P342+P311 If experiencing respiratory symptoms: Call a POISON CENTER/doctor.
- P362+P364 Take off contaminated clothing and wash it before reuse.
- P405 Store locked up.
- P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.
- 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 ⚠ Resp. Sens. 1, H334; Carc. 2, H351; STOT RE 2, H373; ⚠ Acute Tox. 4, H332; Skin Irrit. 2, H315; Eye Irrit. 2A, H319; Skin Sens. 1, H317; STOT SE 3, H335	>25%
13674-84-5	2-Propanol, 1-chloro-, phosphate (3:1) H402; Aquatic Chronic 3, H412	1-<25%
115-10-6	Dimethyl ether ⚠ Flam. Gas 1, H220; Press. Gas, H280	1-<10%
75-28-5	Propane, 2-methyl- ⚠ Flam. Gas 1, H220; Press. Gas, H280	1-<10%
74-98-6	Propane ⚠ Flam. Gas 1, H220; Press. Gas, H280	1-<10%


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75-37-6	Ethane, 1,1-difluoro-  Flam. Liq. 1, H224; Press. Gas, H280; Acute Tox. 5, H333	1-<10%
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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, rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Seek medical attention.

Ingestion:

If swallowed, do not induce vomiting. Rinse mouth with water and give plenty of water to drink. Do not give anything by mouth to an unconscious person. Seek immediate medical attention.

Symptoms Caused by Exposure:

Inhalation: May cause sore throat, coughing, runny nose and irritation of the nasal mucous membranes and the respiratory tract. The following symptoms may appear later: respiratory difficulties, possible inflammation of the respiratory tract and lung oedema.

Skin contact: Tingling and skin irritation.

Eye contact: Eye irritation and lacrimation.

5 . FIRE FIGHTING MEASURES

Suitable Extinguishing Media: Water spray, polyvalent foam, BC powder or carbon dioxide.

Specific Hazards Arising from the Chemical:

Aerosol may explode when exposed to extreme heat. Use water spray to cool fire exposed containers.

May polymerize on exposure to temperature rise.

Hazardous combustion products include oxides of carbon and phosphorus, nitrous vapours and hydrogen chloride.

Special Protective Equipment and Precautions for Fire Fighters:

Wear Safe Work Australia approved self-contained breathing apparatus and full protective clothing.

6 . ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures:

Wear a Safe Work Australia approved self-contained breathing apparatus, 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:

Allow product to solidify and remove it by mechanical means. Carefully collect the spill/leftovers. Dispose of the material collected according to regulations. 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. Pressurized container. Do not spray on a naked flame or any incandescent material. Do not pierce or burn,

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even after use.

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. 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. Protect from direct sunlight, heat, sparks, open flames and other sources of ignition. Do not expose to temperatures exceeding 50 °C. Use spark/explosion-proof appliances and lighting system. Keep away from strong acids and bases.

Maximum storage time: 1 year

8 . EXPOSURE CONTROLS AND PERSONAL PROTECTION**Exposure Standards:****9016-87-9 Isocyanic acid, polymethylenepolyphenylene ester**

NES STEL: 0.07 mg/m³
TWA: 0.02 mg/m³
Sen, as -NCO

115-10-6 Dimethyl ether

NES STEL: 950 mg/m³, 500 ppm
TWA: 760 mg/m³, 400 ppm

74-98-6 Propane

NES Asphyxiant

Engineering Controls:

Maintain air concentration below occupational exposure standards, providing adequate ventilation. Use explosion-proof ventilating equipment.

Respiratory Protection:

If high airborne concentrations of the isocyanates are present and minimising exposure by ventilation is not possible, air-line respirators or self-contained breathing apparatus complying with Australian Standard AS 1716 must be used.

Skin Protection:

Protective gloves and protective clothing. See Australian Standards AS/NZS 2161, 2210.1 and 2210.2 for more information.

Eye and Face Protection:

Safety glasses with top and side shields or goggles. See Australian/New Zealand Standards AS/NZS 1336 and 1337 for more information.

9 . PHYSICAL AND CHEMICAL PROPERTIES**Appearance:**

Form: Aerosol
Colour: Variable in colour, depending on the composition
Odour: Characteristic
Melting point/Melting range: Not determined.
Initial Boiling Point/Boiling Range: Not applicable, as aerosol.
Flash Point: Not applicable, as aerosol.
Flammability: Flammable
Auto-ignition Temperature:
Decomposition Temperature: Not determined.
Density: Not determined.

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10 . STABILITY AND REACTIVITY

Possibility of Hazardous Reactions:

May polymerize with many compounds e.g.: strong bases and amines. Reacts violently with some acids/bases.

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

Conditions to Avoid: Direct sunlight, heat, sparks, open flames and other sources of ignition.

Incompatible Materials: Strong acids and bases.

Hazardous Decomposition Products:

Hazardous combustion products include oxides of carbon and phosphorus, nitrous vapours and hydrogen chloride.

11 . TOXICOLOGICAL INFORMATION

Toxicity:**LD₅₀/LC₅₀ Values Relevant for Classification:****13674-84-5 2-Propanol, 1-chloro-, phosphate (3:1)**

Oral	LD ₅₀	3600 mg/kg (rat)
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115-10-6 Dimethyl ether

Inhalation	LC ₅₀ /4 h	308 mg/l (rat)
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74-98-6 Propane

Inhalation	LC ₅₀ /4 h	658 mg/l (rat)
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75-37-6 Ethane, 1,1-difluoro-

Inhalation	LC ₅₀ /4 h	977 mg/l (mouse)
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Acute Health Effects**Inhalation:**

Harmful if inhaled. May cause sore throat, coughing, runny nose and irritation of the nasal mucous membranes and the respiratory tract. The following symptoms may appear later: respiratory difficulties, possible inflammation of the respiratory tract and lung oedema.

Skin: Tingling and skin irritation.

Eye: Eye irritation and lacrimation.

Ingestion: Ingestion is not considered a potential route of exposure.

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:

Polymethylene polyphenyl isocyanate is classified by IARC as a 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.

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Specific Target Organ Toxicity (STOT) - Repeated Exposure:

May cause damage to organs through prolonged or repeated exposure.

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

Prolonged or repeated contact may cause body temperature rise, headache, weakness, dry skin, skin rash and inflammation and risk of pneumonia.

Existing Conditions Aggravated by Exposure:

Persons already sensitised to diisocyanates may develop allergic reactions when using this product.

Persons suffering from asthma, eczema or skin problems should avoid contact, including dermal contact, with this product.

12 . ECOLOGICAL INFORMATION**Ecotoxicity:**

Aquatic toxicity:
9016-87-9 Isocyanic acid, polymethylenepolyphenylene ester
LC50 >1000 mg/L / 96h (fish)
13674-84-5 2-Propanol, 1-chloro-, phosphate (3:1)
LC50 56.2 mg/L / 96h (brachydanio rerio)
65-335 mg/L / 48h (daphnia)
115-10-6 Dimethyl ether
LC50 >1000 mg/L / 96h (fish)

Persistence and Degradability: No information available**Bioaccumulative Potential:** No information available**Mobility in Soil:** No information available**Other adverse effects:**

Not dangerous for the ozone layer.

May contribute to the greenhouse effect.

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	1950
Proper Shipping Name	AEROSOL
Dangerous Goods Class	2
IMDG Class:	2.1
Packing Group:	Not applicable
Marine pollutant:	No
Special Provisions:	63, 190, 277, 327
Limited Quantities:	See SP 277

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Packagings & IBCs - Packing Instruction: P003, LP02
Packagings & IBCs - Special Packing Provisions: PP17, PP87, L2
Portable Tanks & Bulk Containers - Instructions: Not applicable
Portable Tanks & Bulk Containers - Special Provisions: Not applicable

15 . REGULATORY INFORMATION

Australian Inventory of Chemical Substances:	
9016-87-9	Isocyanic acid, polymethylenepolyphenylene ester
13674-84-5	2-Propanol, 1-chloro-, phosphate (3:1)
115-10-6	Dimethyl ether
75-28-5	Propane, 2-methyl-
74-98-6	Propane
75-37-6	Ethane, 1,1-difluoro-

Standard for the Uniform Scheduling of Drugs and Poisons (SUSMP) - Poison Schedule:
Not a scheduled poison.

16 . OTHER INFORMATION**Creation Date:** 06.12.2013**Last Revision of MSDS:** 28.01.2015**Prepared by:** MSDS.COM.AU Pty Ltdwww.msds.com.au**Abbreviations and acronyms:**

GHS: Globally Harmonized System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

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)

Data compared to the previous version altered. Section 1.**Disclaimer**

This MSDS 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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