

1 . IDENTIFICATION: PRODUCT IDENTIFIER AND CHEMICAL IDENTITY

Product Name: FILL&FIX FOAM

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.



Acute Tox. 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

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

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.

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

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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.
- 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: consisting of the following components.

| 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% |
| 75-28-5 | Propane, 2-methyl- ⚠ Flam. Gas 1, H220; Press. Gas, H280 | 1-<20% |
| 74-98-6 | Propane ⚠ Flam. Gas 1, H220; Press. Gas, H280 | 1-<10% |
| 115-10-6 | Dimethyl ether ⚠ Flam. Gas 1, H220; Press. Gas, H280 | 1-<10% |

Additional information:

Note C: Some organic substances may be marketed either in a specific isomeric form or as a mixture of several isomers. Under 'Name' or 'Synonyms', a general designation of the following type is sometimes used: 'xylenol'. In this case the manufacturer or any other person who markets such a substance should state on the

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label whether the substance is a specific isomer (a) or a mixture of isomers (b). Example: (a) 2,4-dimethylphenol (b) xlenol (mixture of isomers) (Isobutane CAS No. 75-28-5).

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 dry, sore throat, coughing, runny nose and irritation of the nasal mucous membranes and respiratory tract.

Skin Contact: May cause tingling and skin irritation.

Eye Contact: May cause irritation of the eye tissue and lacrimation.

5 . FIRE FIGHTING MEASURES

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

Specific Hazards Arising from the Chemical:

Hazardous combustion products include oxides of carbon, nitrogen and phosphorus, hydrogen chloride and hydrogen cyanide.

Contains gas under pressure. Aerosol may explode under the effect of heat. Gas/vapour spreads at floor level and is ignition hazard. May polymerize on exposure to temperature rise.

If exposed to fire cool the closed containers by spraying with water. Cool from behind cover. There is still a persistent risk of physical explosion after cooling. Dilute toxic gases with water spray.

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 Safe Work Australia approved self-contained breathing apparatus and full protective clothing. 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 absorb spill with sand, earth, vermiculite or some other absorbent material. Collect the spilled material and place into a suitable container for disposal. Use only non-sparking tools. Clean contaminated surfaces with acetone.

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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.

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. Do not expose to temperatures exceeding 50 °C. Protect from direct sunlight, heat, sparks, open flames and other sources of ignition. Keep away from (strong) acids and (strong) bases. Maximum storage time is 1 year.

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 |
|-----|---|

74-98-6 Propane

| | |
|-----|------------|
| NES | Asphyxiant |
|-----|------------|

115-10-6 Dimethyl ether

| | |
|-----|---|
| NES | STEL: 950 mg/m ³ , 500 ppm TWA: 760 mg/m ³ , 400 ppm |
|-----|---|

Engineering Controls:

Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapour below occupational exposure standards. Use explosion-proof ventilating equipment.

Respiratory Protection:

Use a Safe Work Australia approved 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. If concentration in air greater than exposure limit, wear gas mask with filter type A. See Australian Standards AS/NZS 1715 and 1716 for more information.

Skin Protection:

PVC, PVA, nitrile, neoprene, rubber or vinyl 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.

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

Form: Aerosol
Colour: According to product specification
Odour: Characteristic

Initial Boiling Point/Boiling Range: Not applicable, as aerosol.

Flash Point: Not applicable, as aerosol.

Flammability: Extremely flammable

Relative Density: 0.95

Evaporation Rate: Not applicable

Solubility in Water: Insoluble

Solubility in Solvents: Soluble in organic solvents

VOC: 26 %

10 . STABILITY AND REACTIVITY**Possibility of Hazardous Reactions:**

Hazardous polymerisation may occur 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: Heat, sparks, open flames and other sources of ignition.

Incompatible Materials: (Strong) acids, (strong) bases and amines.

Hazardous Decomposition Products:

Oxides of carbon, phosphorus, nitrogen, hydrogen chloride and hydrogen cyanide.

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

Oral LD₅₀ 1150-1750 mg/kg (rat)

Dermal LD₅₀ >2000 mg/kg (rat)
>2000 mg/kg (rabbit)

Inhalation LC₅₀/4 h >5 mg/l (rat)

74-98-6 Propane

Inhalation LC₅₀/4 h 513 mg/l (rat)

75-28-5 Propane, 2-methyl-

Inhalation LC₅₀/4 h >50 mg/l (rat)

115-10-6 Dimethyl ether

Inhalation LC₅₀/4 h 309 mg/l (rat)

9016-87-9 Isocyanic acid, polymethylenepolyphenylene ester

Oral LD₅₀ >10000 mg/kg (rat)

Dermal LD₅₀ >5000 mg/kg (rabbit)

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Acute Health Effects

Inhalation:

May cause dry, sore throat, coughing, runny nose and irritation of the nasal mucous membranes and respiratory tract.

Skin: May cause tingling and irritation of the skin.

Eye: May cause irritation of the eye tissue 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 an allergic skin reaction.

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:

Polymethylene polyphenyl isocyanate is classified by IARC as Group 3 - Not classifiable as to its carcinogenicity to humans.

Suspected of causing cancer.

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:

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 exposure through inhalation may cause body temperature rise, tremor, feeling of weakness, headache and risk of pneumonia.

Prolonged or repeated skin exposure may cause dry and stained skin, rash and inflammation.

Existing Conditions Aggravated by Exposure: No information available

12 . ECOLOGICAL INFORMATION

Ecotoxicity: No information available

Aquatic toxicity:

74-98-6 Propane

LC₅₀/96 h >1000 mg/l (fish)

115-10-6 Dimethyl ether

LC₅₀/96 h >1000 mg/l (fish)

13674-84-5 2-Propanol, 1-chloro-, phosphate (3:1)

EC₅₀/48 h 65-335 mg/l (daphnia)

EC₅₀/72 h 45 mg/l (scenedesmus subspicatus)

LC₅₀/96 h 56.2 mg/l (brachydanio rerio)

Persistence and Degradability: Contains non readily biodegradable component(s).

Bioaccumulative Potential: No information available

Mobility in Soil: No information available

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Other adverse effects: Not 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 ADG, IMDG, IATA | UN1950 |
| Proper Shipping Name ADG, IMDG, IATA | AEROSOLS |
| Dangerous Goods Class ADG Class: | 2 Gases. |
| Packing Group: | Not applicable |
| EMS Number: | F-D,S-U |
| Hazchem Code: | 2YE |
| Special Provisions: | 63, 190, 277, 327 |
| Limited Quantities: | See SP 277 |
| 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) |
| 75-28-5 | Propane, 2-methyl- |
| 74-98-6 | Propane |
| 115-10-6 | Dimethyl ether |

Standard for the Uniform Scheduling of Drugs and Poisons (SUSMP) - Poison Schedule:
Not Scheduled.**16 . OTHER INFORMATION****Creation Date:** 12.02.2015**Last Revision of MSDS:** 05.04.2011**Prepared by:** MSDS.COM.AU Pty Ltdwww.msds.com.au**Abbreviations and acronyms:**ADG: Australian Dangerous Goods
IMDG: International Maritime Code for Dangerous Goods
IATA: International Air Transport Association

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SAFETY DATA SHEET

According to Safe Work Australia

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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)
VOC: Volatile Organic Compounds
LC₅₀: Lethal concentration, 50 percent
LD₅₀: 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: GHS format**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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