

1 . IDENTIFICATION: PRODUCT IDENTIFIER AND CHEMICAL IDENTITY

Product Name: SOUDAFOAM FR

Recommended Use of the Chemical and Restriction on Use: Polyurethane

Details of Manufacturer or Importer:

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

Phone Number: 08 9353 2006

Emergency telephone number: 1300 507 011

2 . HAZARDS IDENTIFICATION

Hazardous Nature:



GHS02 flame

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



GHS08 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.



GHS07

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

Label Elements

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.

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.

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- 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).
- P342+P311 If experiencing respiratory symptoms: Call a POISON CENTER or doctor/physician.
- P304+P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
- P312 Call a POISON CENTER or doctor/physician if you feel unwell.
- 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 soap and water.
- 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 Characterisation: Substances

CAS No. Description

Mixture

Description: Mixture of substances listed below with nonhazardous additions.

Hazardous Components:

9016-87-9	diphenylmethanediisocyanate, isomeres and homologues ⚠ Resp. Sens. 1, H334; Carc. 2, H351; STOT RE 2, H373; ⚠ Acute Tox. 4, H332; Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1, H317; STOT SE 3, H335	>25%
107-21-1	1,2-ethanediol ⚠ Acute Tox. 4, H302	1-<25%
78-40-0	triethyl phosphate ⚠ Acute Tox. 4, H302	1-<25%
13674-84-5	tris(2-chlorisopropyl)-phosphate H402; Aquatic Chronic 3, H412	1-<25%
75-37-6	1,1-difluoroethane ⚠ Flam. Liq. 1, H224; Press. Gas, H280; Acute Tox. 5, H333	1-<10%
75-28-5	Propane, 2-methyl- ⚠ Flam. Gas 1, H220; Press. Gas, H280	1-<10%
115-10-6	dimethyl ether ⚠ Flam. Gas 1, H220; Press. Gas, H280	1-<10%

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3296-90-0	1,3-Propanediol, 2,2-bis(bromomethyl)- ☠ Carc. 2, H351; ☠ Acute Tox. 4, H302; Skin Irrit. 2, H315; Eye Irrit. 2A, H319; STOT SE 3, H335	1-<5%
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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. Give plenty of water to drink. Do not give anything by mouth to an unconscious person. Seek immediate medical attention.

5 . FIRE FIGHTING MEASURES

Suitable Extinguishing Media:

Carbon dioxide, BC powder and sand/earth.
Water jet is ineffective as an extinguishing agent.

Specific Hazards Arising from the Chemical:

Containers close to fire should be removed if safe to do so. Use water to keep fire exposed containers cool. Vapors are heavier than air and may travel long distance to a source of ignition and flash back. Hazardous combustion products include oxides of carbon and phosphorus, hydrogen bromide, hydrogen chloride and hydrofluoric acid.

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. Dilute toxic gases with water spray.

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 product to solidify and remove it by mechanical means. Collect the spilled material and place into a suitable 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. Use spark / explosion proof appliances and lighting system. 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

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proximity to points of potential exposure.

Conditions for Safe Storage:

Store in a cool, dry and well ventilated area. Keep container tightly closed when not in use. Protect from direct sunlight, heat, sparks, open flames and other sources of ignition. Store at temperature below 50 °C. Max. storage time is 1 year.

8 . EXPOSURE CONTROLS AND PERSONAL PROTECTION

Exposure Standards:**9016-87-9 diphenylmethanediisocyanate, isomeres and homologues**

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

107-21-1 1,2-ethanediol

NES STEL: 104** mg/m³, 40** ppm
TWA: 10* 52** mg/m³, 20** ppm
Sk;*particulate;**vapour

115-10-6 dimethyl ether

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

Engineering Controls:

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

Personal Protective Equipment (PPE):**Respiratory Protection:**

Wear gas mask with filter type A if concentration in air is above the exposure limit. See Australian Standards AS/NZS 1715 and 1716 for more information.

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 Standards AS/NZS 1336 and 1337 for more information.

9 . PHYSICAL AND CHEMICAL PROPERTIES

Appearance:

Form:	Aerosol
Colour:	Variable in colour
Odour:	Characteristic
Odour Threshold:	Not determined.
pH-Value:	Not determined.
Melting point/Melting range:	Not determined.
Initial Boiling Point/Boiling Range:	Not determined.
Flash Point:	Not applicable, as aerosol.
Flammability:	Not applicable.
Auto-ignition Temperature:	No information available
Decomposition Temperature:	Not determined.
Explosion Limits:	
Lower:	Not determined.

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Upper:	Not determined.
Vapour Pressure:	Not determined.
Relative Density:	Not determined.
Vapour Density at 20 °C:	1.1 g/cm ³
Evaporation Rate:	Not determined.

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:** Direct sunlight, heat, sparks, open flames and other sources of ignition.**Incompatible Materials:** No further relevant information available.**Hazardous Decomposition Products:**

Oxides of carbon and phosphorus, hydrogen bromide, hydrogen chloride and hydrofluoric acid.

11 . TOXICOLOGICAL INFORMATION**Toxicity:****LD₅₀/LC₅₀ Values Relevant for Classification:****107-21-1 1,2-ethanediol**

Oral	LD ₅₀	5840 mg/kg (rat)
Dermal	LD ₅₀	9530 mg/kg (rabbit)

78-40-0 triethyl phosphate

Oral	LD ₅₀	1600 mg/kg (rat)
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13674-84-5 tris(2-chlorisopropyl)-phosphate

Oral	LD ₅₀	3600 mg/kg (rat)
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75-37-6 1,1-difluoroethane

Inhalation	LC ₅₀ /4 h	977 mg/l (mouse)
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115-10-6 dimethyl ether

Inhalation	LC ₅₀ /4 h	308 mg/l (rat)
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3296-90-0 1,3-Propanediol, 2,2-bis(bromomethyl)-

Oral	LD50	1880 mg/kg (rat)
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9016-87-9 diphenylmethanediisocyanate, isomeres and homologues

Oral	LD50	>10000 (rat)
Dermal	LD50	>5000 mg/kg (rabbit)

75-28-5 Propane, 2-methyl-

Inhalation	LC50	>50 mg/L/4 hour (rat)
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Acute Health Effects**Inhalation:** Harmful if inhaled. May cause respiratory irritation, sore throat, coughing and runny nose.**Skin:** Causes skin irritation and tingling.**Eye:** Causes eye irritation.**Ingestion:** Ingestion is not considered a potential route of exposure.**Skin Corrosion / Irritation:** Causes skin irritation.**Serious Eye Damage / Irritation:** Causes serious eye irritation and lacrimation.

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Respiratory or Skin Sensitisation:

Sensitization possible through inhalation.
Sensitization possible through skin contact.

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

Carcinogenicity:

1,3-Propanediol, 2,2-bis(bromomethyl)- is classified by IARC as Group 2B - Possibly carcinogenic to humans.
Isocyanic acid, polymethylenepolyphenylene ester 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:

May cause possible inflammation of the respiratory tract, respiratory difficulties and lung oedema, skin rash, inflammation and itching and feeling of weakness.

Existing Conditions Aggravated by Exposure: No information available

12 . ECOLOGICAL INFORMATION

Ecotoxicity:

Aquatic toxicity:	
3296-90-0 1,3-Propanediol, 2,2-bis(bromomethyl)-	
EC50	>100 mg/L / 8 hour (daphnia)
LC50	>100 mg/L / 96 hour (rainbow trout)
13674-84-5 tris(2-chlorisopropyl)-phosphate	
LC50	56.2 mg/L / 96 hour (brachydanio rerio)
78-40-0 triethyl phosphate	
EC50	330 mg/L / 48 hour (daphnia)
LC50	1070 mg/L / 96 hour (flathead minnows)
9016-87-9 diphenylmethanediisocyanate, isomeres and homologues	
LC50	> 1000 mg/L / 96 hour (fish)
107-21-1 1,2-ethanediol	
EC50	>10000 mg/L / 24 hour (daphnia)
LC50 (static)	40761 mg/L / 96 hour (rainbow trout)
115-10-6 dimethyl ether	
LC 50	>1000 mg/L / 96 hour (fish)

Persistence and Degradability: Contains non readily biodegradable component.

Bioaccumulative Potential: No information available

Mobility in Soil: No information available

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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
ADG, IMDG, IATA	Void
Proper Shipping Name	AEROSOLS
ADG, IMDG, IATA	Void
Dangerous Goods Class	2
ADG Class:	Void
Packing Group:	Not applicable
ADG, IMDG, IATA	Void
Marine pollutant:	No
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	diphenylmethanediisocyanate, isomeres and homologues
107-21-1	1,2-ethanediol
78-40-0	triethyl phosphate
13674-84-5	tris(2-chlorisopropyl)-phosphate
75-37-6	1,1-difluoroethane
75-28-5	Propane, 2-methyl-
115-10-6	dimethyl ether
3296-90-0	1,3-Propanediol, 2,2-bis(bromomethyl)-

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

Poisons Schedule: 6

16 . OTHER INFORMATION

Creation Date: 10.02.2014

Prepared by: MSDS.COM.AU Pty Ltd

www.msds.com.au

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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 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

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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