

Foam Seal In A Can

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Issued: 06/12/2019, Revision No: 2
Regulation (EC) No. 453/2010

1. IDENTIFICATION OF SUBSTANCE / MIXTURE OF THE COMPANY / UNDERTAKING

- 1.1 Product Identifier**
Material name: Foamseal in a Can
- 1.2 Relevant identified uses of the substance or mixture and uses advised against**
Product use: Polyurethane foam cleaner
- 1.3 Details of the supplier of the safety data sheet**
Manufacturer / Supplier: IMG Ltd.,
Unit M
Riverside Industrial Estate
Fazeley
Tamworth
B78 3RW

Telephone: 01827 283322
Fax: 01827 250143

Email (for SDS): sales@img-limited.co.uk
- 1.4 Emergency tel. no:** 01827 283322 (Available from 8.30 – 17.00 hours)

2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

According to 1272/2008/EC: Classification, Labelling and Packaging of Substances and Mixtures (CLP) Regulation:

Physical and Chemical hazards	Flam.Aerosol 1; H222; H229
Human Health	Skin Irr.2; H315; Eye Irr.2; H319; Skin Sens.1; H317; Acute Tox.4; H332; Resp.Sens.1; H334; STOT SE 3; H335; Carc.2; H351; STOT RE 2; H373
Environment	Not classified

2.2 Label elements

Label according to EC Directives: 1272/2008/EC:

Signal word: Danger

Pictogram(s):



Contains: polymethylene polyphenyl isocyanate.

Hazard Statements:	H222	Extremely flammable aerosol.
	H229	Pressurised container: May burst if heated.
	H315	Causes skin irritation.
	H317	May cause an allergic skin reaction.

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H319	Causes serious eye irritation.
H332	Harmful if inhaled.
H334	May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H335	May cause respiratory irritation.
H351	Suspected of causing cancer.
H373	May cause damage to organs through prolonged or repeated exposure if inhaled.

Precautionary Statements:	P101	If medical advice is needed, have product container or label at hand.
	P102	Keep out of reach of children.
	P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
	P211	Do not spray on an open flame or other ignition source.
	P251	Do not pierce or burn, even after use.
	P302+P352	IF ON SKIN: Wash with plenty of water and soap.
	P410+P412	Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.
P501	Dispose of contents/container to requirements of local authorities.	

Supplemental information: 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. This product should not be used under conditions of poor ventilation unless a protective mask with an appropriate gas filter (i.e. type A1 according to standard EN 14387) is used.

Other hazards: Gas/vapour spreads at floor level: ignition hazard.

3. COMPOSITION / INFORMATION ON INGREDIENTS

3.2 Mixtures:

Hazardous components:

Chemical Name	CAS.No/ EC No./ Reg.No	Classification (1272/2008/EC)	Content
Polymethylene polyphenol isocyanate	CAS: 9016-87-9	Skin Irr.2; H315 Skin Sens.1; H317 Eye Irr.2; H319 Acute Tox.4; H332 Resp.Sens.1; H334 STOT SE 3; H335 Carc.2; H351 STOT RE 2; H373	>25%
Propane	CAS: 74-98-6 EC: 200-827-9 REACH: 01-2119486944-21	Flam.Gas 1; H220 Press. Gas – Liquefied gas; H280	1-10%
Isobutane	CAS: 75-28-5 EC: 200-857-2 REACH: 01-2119485395-27	Flam.Gas 1; H220 Press. Gas – Liquefied gas; H280	1-10%
Dimethyl Ether	CAS: 115-10-6 EC: 204-065-8 REACH: 01-2119472128-37	Flam.Gas 1; H220 Press. Gas – Liquefied gas; H280	1-10%
Reaction mass of tris(2-chloropropyl) phosphate and tris(2-chloro-1-methylethyl) phosphate and phosphoric acid, bis(2-chloro-	REACH: 01-2119486772-26	Acute Tox.4; H302	1-25%

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1-methylethyl) 2-chloropropyl ester and phosphoric acid, 2-chloro-1-methylethyl bis (2-chloropropyl) ester			
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See Section 16 for the full text of the H statements declared above.

4. FIRST AID MEASURES

4.1 Description of first aid measures

General advice: In all cases of doubt, or when symptoms persist, seek medical attention.

Eye contact: Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention if irritation persists.

Inhalation: Remove victim to fresh air and kept at rest in a position comfortable for breathing.

Skin contact: Wash immediately with plenty of soap and water. Seek medical attention if irritation persists.

Ingestion: Wash out mouth with water. Give water to drink. Do not induce vomiting. Consult medical attention.

Protection of first aiders: No action shall be taken involving any personal risk without suitable training.

4.2 Most important symptoms and effects, both acute and delayed: In case of contact with eyes and skin, irritation may occur. After inhalation, may cause sore/dry throat and coughing.

4.3 Indication of any immediate medical attention and special treatment needed: No data available.

5. FIRE-FIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing media: Dry powder.

Unsuitable extinguishing media: CO₂ extinguisher, water, foam.

5.2 Special hazards arising from the substance or mixture

On burning: release of toxic and corrosive gases/vapours (phosphorous oxides, nitrous vapours, hydrogen chloride, carbon monoxide).

5.3 Advice for fire-fighters

Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. Cool closed containers with water spray.

Special protective equipment for fire-fighters

Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus and full personal protective equipment.

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

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No action shall be taken involving personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Wear appropriate personal protective equipment. Refer to section 8 for SDS for personal protection details.

6.2 Environmental precautions

Do not allow to enter drains or watercourses. If the product contaminates lakes, or sewers, inform the appropriate authorities in accordance with local regulations.

6.3 Methods and materials for containment and cleaning up

Allow product to solidify and remove it by mechanical means. Carefully collect the spill/leftovers. Clean (treat) contaminated surfaces with acetone. Dispose of collected spillage with competent authority. Wash clothing and equipment after handling.

6.4 Reference to other sections

See Section 13 for additional waste treatment information.

7. HANDLING AND STORAGE

7.1 Precautions for safe handling

Take precautions against electrostatic charges. Keep away from naked flames/heat. Keep away from ignition sources/sparks. Ensure that there is sufficient ventilation of the area. Gas heavier than air at 20°C. Observe very strict hygiene – avoid contact.

7.2 Conditions for safe storage, including any incompatibilities

Store in a dry, cool and well-ventilated fireproof room at temperatures below 50°C. Keep away from direct sunlight. Shelf life of 1 year. Keep away from heat sources, ignition sources, strong acids, strong bases and amines.

7.3 Specific end use(s)

Not available.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Control parameters

Occupational exposure limits

Chemical Name	8hr TWA	15min STEL	Reference
Dimethyl Ether	400 ppm 766 mg/m ³	500ppm 958 mg/m ³	EH40/2005 WELs
Isocyanates, all (as –NCO) except isocyanate	0.02 mg/m ³	0.07 mg/m ³	EH40/2005 WELs

DNELs/DMELs

DNEL (Workers)	Reaction mass (see Section 2)
Systemic effects (Long term inhalation)	5.82 mg/m ³

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Acute effects (Inhalation)	22.4 mg/m ³
Systemic effects (Long term dermal)	2.08 mg/kg bw/day
Systemic effects (Acute dermal)	8 mg/kg bw/day
DNEL (Consumers)	Reaction mass (see Section 2)
Systemic effects (Long term inhalation)	1.46 mg/m ³
Systemic effects (Short term inhalation)	11.2 mg/m ³
Systemic effects (Long term dermal)	1.04 mg/kg bw/day
Systemic effects (Short term dermal)	4 mg/kg bw/day
Systemic effects (Long term oral)	0.52 mg/kg bw/day

PNECs

PNEC	Reaction mass (see Section 2)
Fresh Water	0.64 mg/l
Aqua (Intermittent releases)	0.51 mg/l
Marine Water	0.064 mg/l
Fresh Water Sediments	13.4 mg/kg
Marine Sediments	1.34 mg/kg
Soil (agricultural)	1.7 mg/kg
Sewage treatment	7.84 mg/l
Oral	11.6 mg/kg

8.2 Exposure controls

Engineering measures: Take precautions against electrostatic charges. Keep away from naked flames / heat. Keep away from ignition sources/sparks.

Personal Protective Equipment

Hand protection: Protective gloves – LDPE (Low Density Poly Ethylene), 0.025mm thick.

Eye protection: Safety glasses.

Skin protection: Protective clothing.

Respiratory protection: Full face mask with filter type A.

9. PHYSICAL AND CHEMICAL PROPERTIES

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9.1 Information on basic physical and chemical properties

State and colour:	Aerosol, straw.
Odour:	Characteristic odour.
Odour threshold:	No data available.
Flammability:	Extremely flammable.
Flash point:	<0°C
Lower explosion limit:	No data available.
Upper explosion limit:	No data available.
Explosive properties:	No data available.
Thermal decomposition:	No data available.
Auto-ignition temperature:	No data available.
Oxidising properties:	No data available.
Solubility in water:	Insoluble.
Solubility in other solvents:	No data available.
pH:	No data available.
Melting point / range:	No data available.
Boiling point / range:	No data available.
Relative Density:	0.9; 20°C
Vapour pressure:	No data available.
Vapour density:	>1
Partition coefficient: n-octanol / water:	No data available.
Viscosity (kinematic):	Viscous.
Evaporation rate:	No data available.

9.2 Other information No data available.

10. STABILITY AND REACTIVITY

10.1 Reactivity	Stable under recommended transport and storage conditions.
10.2 Chemical stability	Stable under recommended storage and handling conditions.
10.3 Possibility of hazardous reactions	Under normal conditions of storage and use, hazardous reactions will not occur. May polymerise with strong bases and amines.
10.4 Conditions to avoid	Hot surfaces. Sources of ignition. Flames.
10.5 Incompatible materials	Keep away from the following materials; strong acids and bases, amines.
10.6 Hazardous decomposition products	Decomposition products may include the following materials; carbon monoxide, carbon dioxide, smoke, oxides of nitrogen. Release of toxic and corrosive gases.vapours.

11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute Toxicity

Chemical Name	Oral (LD50)	Inhalation (LC50)	Dermal (LD50)
Polymethylene Polyphenyl Isocyanate	>10,000 mg/kg (Rat)	10 mg/l – 20 mg/l (4h, Rat, vapours)	>5,000 mg/kg (Rabbit)
Reaction mass (see Section 2)	632 mg/kg bw (Rat)	>7 mg/l (4h) (Rabbit)	>2000 mg/kg bw (24h)

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Symptoms / routes of exposure

Skin corrosion / irritation:	If contact made with skin, causes irritation.
Serious eye damage / irritation:	If splashed in eyes may cause serious irritation.
Respiratory or skin sensitisation:	May cause respiratory irritation.
Repeated dose toxicity:	No data available.
Carcinogenicity:	Suspected of causing cancer.
Mutagenicity:	No data available.
Toxicity for reproduction:	Not classified as toxic for reproduction.
Specific target organ toxicity (STOT):	May cause damage to organs through prolonged or repeated exposure if inhaled.
Further information:	No data available.

12. ECOLOGICAL INFORMATION

12.1 Toxicity

Chemical name	Species	Test	Value
Polymethylene Polyphenyl Isocyanate	Acute toxicity other aquatic organisms	LC50 96h	1000 mg/l
	Activated sludge	EC50	>100 mg/l
Reaction Mass (See Section 2)	Brachydanio rerio	LC50 96h	56.2 mg/l
	Daphnia Magna	LC50 48h	131 mg/l
	Pseudokirchnerie lla subcapitata	ErC50 72h	82 mg/l
	Daphnia Magna	NOEC 21 days	32 mg/l
	Activated sludge	EC50 784 mg/l 3h	784 mg/l

12.2 Persistence and degradability	No data available.
12.3 Bioaccumulative potential	No data available.
12.4 Mobility in soil	No data available.
12.5 Results of PBT and vPvB assessment	No data available.
12.6 Other adverse effects	No data available.

13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Dispose of in accordance with local/national regulations. Do not allow to enter drains or watercourses.

Hazardous waste according to Directive 2008/98/EC, as amended by Regulation (EU) No 1357/2014 and Regulation (EU) No 2017/997. Waste material code (Directive 2008/98/EC, Decision 2000/0532/EC).

08 05 01* - wastes not otherwise specified in 08: waste isocyanates

16 05 04* - gases in pressure containers and discarded chemicals: gases in pressure containers (including halons) containing hazardous substances

Waste material code packaging (Directive 2008/98/EC).

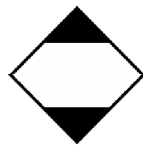
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15 01 10* - packaging containing residues of or contaminated by dangerous substances.

14. TRANSPORT INFORMATION

General Information: The UN number for all aerosols is 1950. Aerosols packed in fibreboard cartons up to 30kg gross weight, or shrink / stretch wrapped onto trays up to 20kg gross weight may be transported as Limited Quantities, and should display the symbol below.



14.1 UN number	ADR/RID/AND; IMDG; ICAO	1950
14.2 UN Proper shipping name	AEROSOLS	
14.3 Transport hazard class(es)	ADR/RID/ADN Class	2, 5F
	ADR/RID/ADN Class	Class 2
	ADR Label No.	2
	IMDG Class	2
	ICAO Class/Division	2
	ICAO Subsidiary Risk	2.1



Transport labels

14.4 Packing group	ADR/RID/AND; IMDG; ICAO	Not applicable for aerosols
14.5 Environmental hazards	No	
14.6 Special precautions for user	ADR/RID: Tunnel code E	
	IMDG: Emergency schedules F-D, S-U	
14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC code:		Not applicable.

15. REGULATORY INFORMATION

15.1 Safety, health and environmental regulations / legislation specific for the substance or mixture

UK Regulatory References

The Control of Substances Hazardous to Health Regulations 2002 (S.I 2001 No.2677) with amendments.

EU Directives

Regulations (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives

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67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006 with amendments. Regulation EU 453/2010 amending Regulation (EC) No 1907/2006.

Statutory Instruments

The Chemicals (Hazard information and Packaging for Supply) Regulations 2009 (S.I 2009 No. 716).

Guidance Notes

Health and Safety Executive Workplace Exposure Limits EH40.

15.2 Chemical Safety Assessment

Chemical safety assessments / reports are not required for mixtures.

16. OTHER INFORMATION

This safety data sheet is prepared in accordance with Regulation EU 453/2010, amending Regulation (EC) No 1907/2006 (REACH – Registration, Evaluation, Authorisation and Restriction of Chemicals).

Classification and procedure used to derive the classification for mixtures according to Regulation (EC) No 1272/2008 (CLP):

Physical hazards: On basis of test data / Expert judgement
Health hazards: Calculation method
Environmental hazards: Calculation method

Full text of H-statements referred to under sections 2 and 3

H220 Extremely flammable gas.
H222 Extremely flammable aerosol.
H229 Pressurised container: May burst if heated.
H280 Contains gas under pressure; may explode if heated.
H302 Harmful if swallowed.
H315 Causes skin irritation.
H317 May cause an allergic skin reaction.
H319 Causes serious eye irritation.
H332 Harmful if inhaled.
H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H335 May cause respiratory irritation.
H351 Suspected of causing cancer.
H373 May cause damage to organs through prolonged or repeated exposure if inhaled.

Abbreviations and acronyms

CAS Chemical Abstract Service (division of the American Chemical Society) – Section 3.
STOT Single Target Organ Toxicity – Section 11.
TWA Time Weighted Average – Section 8.
STEL Short Term Exposure Limit – Section 8.
DNEL Derived No Effect Level – Section 8.
EC50 Effective Concentration, 50 percent – Section 12.
ErC50 EC50 in terms of reduction of growth rate – Section 11.
NOEC No Observed Effect Concentration – Section 11.
LD50 Lethal Dose, 50 percent – Section 11.
LC50 Lethal Concentration, 50 percent – Section 11.
PBT Persistent, Bioaccumulative, Toxic – Section 12.
VPvB very Persistent and very Bioaccumulative – Section 12.



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Legal disclaimer: The above information is believed to be correct but does not purport to be all inclusive and shall only be used as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.

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