

Pro Seal

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Issued: 02/12/2019, Revision No: 1
Regulation (EC) No. 453/2010

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

- 1.1 Product Identifier**
Material name: Pro Seal
- 1.2 Relevant identified uses of the substance or mixture and uses advised against**
Product use: Silicone sealant
- 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	Not classified
Human Health	Not classified
Environment	Not classified

2.2 Label elements

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

Signal word: None required.

Pictogram(s): None required.

Hazard Statements: None required.

Precautionary Statements: None required.

Supplemental Statements: EUH208 Contains 3-Aminopropyltriethoxysilane. May produce an allergic reaction.
EUH210 Safety data sheet available on request.

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Other hazards: The product does not contain any vPvB or PBT substances.

3. COMPOSITION / INFORMATION ON INGREDIENTS

3.2 Mixtures:

Hazardous components:

Chemical Name	CAS.No/ EC No./ Reg.No	Classification (1272/2008/EC)	Content
Hydrocarbons, C13-C23, n-alkanes, isoalkanes, cyclics, <0.03% aromatics	EC: 932-078-5 REACH: 01-211952497-29-XXXX	Asp.Tox.1; H304	1-<5%
3-Aminopropyl(methyl)silsequioxane, ethoxy terminated	CAS: 128446-60-6	Flam.Liq.3; H226 Eye Irr.2; H319 Skin Irr.2; H315	1-<3%

Ingredients comment: also contains the following substances with a WEL (Section 8): Silica (amorphous).

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: Remove casualty from exposure ensuring one's own safety whilst doing so. Take off any contaminated clothing and shoes/boots immediately. Never give anything by mouth to an unconscious person.

Eye contact: Immediately flush eyes with plenty of water. Check for and remove any contact lenses. Get medical attention should symptoms persist.

Inhalation: No undue effects in normal circumstances, if affected, remove from fresh air and seek medical advice.

Skin contact: Wipe off residual product carefully with a soft, dry cloth. Remove affected clothing immediately, wash skin thoroughly with plenty of soap and water. In case of irritation, seek medical attention.

Ingestion: Rinse mouth with thoroughly with water. Do not induce vomiting and give water to drink. Seek medical advice immediately.

4.2 Most important symptoms and effects, both acute and delayed: Irritation of the eyes and skin may occur. May be irritating to respiratory system.

4.3 Indication of any immediate medical attention and special treatment needed: See skin and eye contact information above.

5. FIRE-FIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing media: Product is non-flammable; use appropriate extinguishing media for the surrounding area. Alcohol-resistant foam, carbon dioxide, powders, water.

Unsuitable extinguishing media: High volume water jet

5.2 Special hazards arising from the substance or mixture

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Decomposition products may include: carbon monoxide, carbon dioxide, toxic gases.

5.3 Advice for fire-fighters

Standard procedure for chemical fires. Use water spray to cool unopened containers. Do not allow fire run-off to enter drains.

Special protective equipment for fire-fighters

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

6. ACCIDENTAL RELEASE MEASURES

Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Provide adequate ventilation. Refer to section 8 for SDS for personal protection details.

6.2 Environmental precautions

Contain the spillage using sufficient appropriate absorbent material. 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

Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations. Alternatively, allow product to harden and pick up mechanically. Dispose of in accordance with Section 13.

6.4 Reference to other sections

See Section 8 for personal protective equipment and Section 13 for additional waste treatment information.

7. HANDLING AND STORAGE

7.1 Precautions for safe handling

Ensure that there is sufficient ventilation of the area, avoid contact with skin and eyes. Handle with care. Keep away from food, drink and animal foodstuffs.

7.2 Conditions for safe storage, including any incompatibilities

Store in a dry, cool and well-ventilated area between 5°C and 25°C. Keep container tightly closed.

7.3 Specific end use(s)

Not available.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Control parameters

Chemical Name	8hr TWA	15min STEL	Reference
Hydrocarbons, C13-C23, n-alkanes, isoalkanes, cyclics, <0.03% aromatics	1200 mg/m ³	No information available	EH40

8.2 Exposure controls

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Engineering measures: Ensure good ventilation.

Personal Protective Equipment

Hand protection: Wear chemically resistant gloves such as butyl rubber approved to standard EN 374; material thickness 0.5mm; break through time \geq 480 min. Gloves must be replaced after 8 hours of wear.

Eye protection: Tightly fitting safety goggles or glasses conforming to European standard EN 166.

Skin protection: Protective clothing.

Respiratory protection: Not necessary in normal use.

Hygiene measures: Handle in accordance with good industrial hygiene and safety practices. Do not eat or drink whilst using the product. Wash hands before breaks and at the end of the work day. Wash contaminated clothing before re-use.

Environmental exposure controls: Do not discharge into drains or rivers.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

State and colour:	White paste.
Odour:	Characteristic.
Odour threshold:	No data available.
Flammability:	No data available.
Flash point:	No data available.
Lower explosion limit:	No data available.
Upper explosion limit:	No data available.
Explosive properties:	Product is not explosive.
Thermal decomposition:	No data available.
Auto-ignition temperature:	$>400^{\circ}\text{C}$
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:	$1.02-1.03 \text{ g/cm}^3$
Vapour pressure:	No data available.
Vapour density:	No data available.
Partition coefficient: n-octanol / water:	No data available.
Viscosity (kinematic):	No data available.
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.
10.4 Conditions to avoid	Extreme heat. Contamination with water.
10.5 Incompatible materials	Keep away from the following materials; oxidising agents, strong acids and alkalis.

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10.6 Hazardous decomposition products No decomposition when used as directed.

11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Chemical Name	Oral (LD50)	Inhalation (LC50)	Dermal (LD50)
Hydrocarbons, C13-C23, n-alkanes, isoalkanes, cyclics, <0.03% aromatics	>5000 mg/kg (Rat)	>5266 mg/m ³ 4h (Rat)	>3160 mg/kg (Rabbit)

Symptoms / routes of exposure

Skin corrosion / irritation:	Prolonged or repeated contact may cause irritation.
Serious eye damage / irritation:	May cause eye irritation.
Respiratory or skin sensitisation:	Not expected to cause sensitisation.
Repeated dose toxicity:	No data available.
Carcinogenicity:	No data available.
Mutagenicity:	Not mutagenic.
Toxicity for reproduction:	Not expected to impair fertility.
Specific target organ toxicity (STOT):	Inhalation of vapours may cause respiratory irritation.
Further information:	The product as a whole is unlikely to cause any significant adverse effects, particularly when the advice in Sections 7 and 8 are followed.

12. ECOLOGICAL INFORMATION

12.1 Toxicity

Chemical Name	Species	Test	Value
Pro Seal	Oncorhynchus mykiss	NOEC/NOEL	>1 mg/l
	Pimephales promelas	96h LC50	>10-<100 mg/l
	Daphnia Magna	NOEC/NOEL	>1 mg/l
	Daphnia Magna	48h EC50	>10-<100 mg/l
	Pseudokirchnerie lla subcapitata	72h ErC50	>100 mg/l
	Navicula pelliculosa	24h ErC50	>10-<100 mg/l
	Navicula pelliculosa	NOEC/NOEL	>1 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	This product is not identified as a PBT/vPvB substance.
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. Care should be taken when handling emptied containers that have not been cleaned or rinsed out.

Waste codes:

* 07 02 17 waste containing silicones other than those mentioned in 07 02 16

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* 08 04 10 waste adhesives and sealants other than those mentioned in 08 04 09

Dispose of packaging that cannot be cleaned in the same manner as the substance. That which can be cleaned has waste code 15 01 02 – Plastic packaging.

14. TRANSPORT INFORMATION

14.1 UN number	ADR/RID/AND; IMDG; ICAO	Not regulated.
14.2 UN Proper shipping name	Not applicable	
14.3 Transport hazard class(es)	ADR/RID/ADN Class	Not applicable
	ADR/RID/ADN Class	Not applicable
	ADR Label No.	Not applicable
	IMDG Class	Not applicable
	ICAO Class/Division	Not applicable
	ICAO Subsidiary Risk	Not applicable
Transport labels		
	ADR/RID/IDMG	Not applicable
	IATA	Not applicable
14.4 Packing group	ADR/RID/AND; IMDG; ICAO	Not applicable
14.5 Environmental hazards	No	
14.6 Special precautions for user	Not applicable	
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 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

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Chemical safety assessments / reports are not required for mixtures.

16. OTHER INFORMATION

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

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

- H226 Flammable liquid and vapour.
- H304 May be fatal if swallowed and enters airways.
- H315 Causes skin irritation.
- H319 Causes serious eye irritation.

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.
- PNEL Predicted No Effect Level – Section 8.
- EC50 Effective Concentration, 50 percent – Section 12.
- LD50 Lethal Dose, 50 percent – Section 11.
- LC50 Lethal Concentration, 50 percent – Section 11.
- NOEC No Observed Effect Concentration – Section 12.
- PBT: Persistent, Bioaccumulative, Toxic – Section 12.
- VPvB: very Persistent and very Bioaccumulative – Section 12.

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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