

Section 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product name: AS-4052 HIGH PERFORMANCE HYBRID SEALANT

1.2. Relevant identified uses of the substance or mixture and uses advised against

Use of substance / mixture: PC1: Adhesives, sealants.

1.3. Details of the supplier of the safety data sheet

Company name: Alseal Marketing Sdn. Bhd.
Lot 2291, Jalan Kampung Baru,
Kampung Baru Sungai Buloh
Sungai Buloh
Selangor
47000
Malaysia

Tel: +603-61433808

Fax: +603-61578002

Email: info@alsealmarketing.com

1.4. Emergency telephone number

Section 2: Hazards identification

2.1. Classification of the substance or mixture

Classification under CLP: Eye Irrit. 2: H319; Aquatic Chronic 3: H412; Skin Sens. 1B: H317

Most important adverse effects: May cause an allergic skin reaction. Causes serious eye irritation. Harmful to aquatic life with long lasting effects.

2.2. Label elements

Label elements:

Hazard statements: H317: May cause an allergic skin reaction.
H319: Causes serious eye irritation.
H412: Harmful to aquatic life with long lasting effects.

Hazard pictograms: GHS07: Exclamation mark



Signal words: Warning

Precautionary statements: P261: Avoid breathing dust/fumes/gas/mist/vapours/spray.

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P280: Wear protective gloves/protective clothing/eye protection/face protection.
P302+P352: IF ON SKIN: Wash with plenty of water.
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 instructions on this label)
P362+P364: Take off contaminated clothing and wash it before reuse.

2.3. Other hazards

PBT: This product is not identified as a PBT/vPvB substance.

Section 3: Composition/information on ingredients

3.2. Mixtures

Hazardous ingredients:

LIMESTONE

EINECS	CAS	PBT / WEL	CLP Classification	Percent
215-279-6	1317-65-3	Substance with a Community workplace exposure limit.	-	30-50%

DIISONONYLPHTHALATE - REACH registered number(s): 01-2119432682-41-0000

271-090-9	68515-48-0	Substance with a Community workplace exposure limit.	-	10-30%
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TITANIUM DIOXIDE

236-675-5	13463-67-7	Substance with a Community workplace exposure limit.	-	1-10%
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N-(3-(TRIMETHOXYSILYL)PROPYL)ETHYLENEDIAMINE

217-164-6	1760-24-3	-	Eye Dam. 1: H318; Skin Sens. 1B: H317	1-10%
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VINYLTRIMETHOXYSILANE

220-449-8	2768-02-7	-	Flam. Liq. 3: H226; Acute Tox. 4: H332; STOT RE 2: H373	1-10%
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DIBUTYLBIS(PENTANE-2,4-DIONATO,O,O')TIN

245-152-0	22673-19-4	-	Acute Tox. 4: H302; Skin Corr. 1B: H314; Skin Sens. 1: H317; Muta. 2: H341; Repr. 1A: H360; STOT SE 1: H370; STOT RE 1: H372; Aquatic Chronic 1: H410	<1%
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Section 4: First aid measures

4.1. Description of first aid measures

Skin contact: Remove all contaminated clothes and footwear immediately unless stuck to skin. Wash immediately with plenty of soap and water.

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Eye contact: Bathe the eye with running water for 15 minutes. Consult a doctor.

Ingestion: Wash out mouth with water. Consult a doctor.

Inhalation: Remove casualty from exposure ensuring one's own safety whilst doing so. Consult a doctor.

4.2. Most important symptoms and effects, both acute and delayed

Skin contact: There may be irritation and redness at the site of contact.

Eye contact: There may be irritation and redness. The eyes may water profusely.

Ingestion: There may be soreness and redness of the mouth and throat.

Inhalation: There may be irritation of the throat with a feeling of tightness in the chest. Exposure may cause coughing or wheezing.

Delayed / immediate effects: Immediate effects can be expected after short-term exposure.

4.3. Indication of any immediate medical attention and special treatment needed

Immediate / special treatment: Eye bathing equipment should be available on the premises.

Section 5: Fire-fighting measures

5.1. Extinguishing media

Extinguishing media: Suitable extinguishing media for the surrounding fire should be used.

5.2. Special hazards arising from the substance or mixture

Exposure hazards: In combustion emits toxic fumes.

5.3. Advice for fire-fighters

Advice for fire-fighters: Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.

Section 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions: Refer to section 8 of SDS for personal protection details. If outside do not approach from downwind. If outside keep bystanders upwind and away from danger point. Mark out the contaminated area with signs and prevent access to unauthorised personnel. Do not create dust.

6.2. Environmental precautions

Environmental precautions: Do not discharge into drains or rivers.

6.3. Methods and material for containment and cleaning up

Clean-up procedures: Transfer to a closable, labelled salvage container for disposal by an appropriate method.

6.4. Reference to other sections

Reference to other sections: Refer to section 8 of SDS.

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Section 7: Handling and storage

7.1. Precautions for safe handling

Handling requirements: Avoid direct contact with the substance. Ensure there is sufficient ventilation of the area.
Do not handle in a confined space. Avoid the formation or spread of dust in the air.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions: Store in a cool, well ventilated area. Keep container tightly closed.

7.3. Specific end use(s)

Specific end use(s): No data available.

Section 8: Exposure controls/personal protection

8.1. Control parameters

Hazardous ingredients:

LIMESTONE

Workplace exposure limits:

Respirable dust

State	8 hour TWA	15 min. STEL	8 hour TWA	15 min. STEL
UK	10 mg/m ³	-	4 mg/m ³	-

DIISONONYLPHTHALATE

UK	5 mg/m ³	-	-	-
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TITANIUM DIOXIDE

UK	10 mg/m ³	-	4 mg/m ³	-
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DNEL/PNEC Values

DNEL / PNEC No data available.

8.2. Exposure controls

Engineering measures: Ensure there is sufficient ventilation of the area.

Respiratory protection: Self-contained breathing apparatus must be available in case of emergency. Respiratory protective device with particle filter.

Hand protection: Protective gloves.

Eye protection: Safety glasses. Ensure eye bath is to hand.

Skin protection: Protective clothing.

Section 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

State: Paste

Colour: White

Odour: Odourless

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Evaporation rate: Not applicable.

Oxidising: Not applicable.

Boiling point/range°C: Not applicable.

Flash point°C: No data available.

Melting point/range°C: Not applicable.

Relative density: 1.48 g/ml

9.2. Other information

Other information: No data available.

Section 10: Stability and reactivity

10.1. Reactivity

Reactivity: Stable under recommended transport or storage conditions.

10.2. Chemical stability

Chemical stability: Stable under normal conditions.

10.3. Possibility of hazardous reactions

Hazardous reactions: Hazardous reactions will not occur under normal transport or storage conditions.
Decomposition may occur on exposure to conditions or materials listed below.

10.4. Conditions to avoid

Conditions to avoid: Heat.

10.5. Incompatible materials

Materials to avoid: Strong oxidising agents. Strong acids.

10.6. Hazardous decomposition products

Haz. decomp. products: In combustion emits toxic fumes.

Section 11: Toxicological information

11.1. Information on toxicological effects

Hazardous ingredients:

LIMESTONE

ORAL	RAT	LD50	2000	mg/kg
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DIISONONYLPHTHALATE

DERMAL	RBT	LD50	3160	mg/kg
DUST/MIST	RAT	4H LC50	4.4	mg/l
ORAL	RAT	LD50	10000	mg/kg

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N-(3-(TRIMETHOXYSILYL)PROPYL)ETHYLENEDIAMINE

DERMAL	RBT	LD50	2000	mg/kg
DUST/MIST	RAT	4H LC50	1.49	mg/l
ORAL	RAT	LD50	2295	mg/kg

VINYLTRIMETHOXYSILANE

DERMAL	RBT	LD50	3259	mg/kg
ORAL	RAT	LD50	7120	mg/kg
VAPOURS	RAT	4H LC50	16.8	mg/l

Relevant hazards for product:

Hazard	Route	Basis
Serious eye damage/irritation	OPT	Hazardous: calculated
Respiratory/skin sensitisation	-	Hazardous: calculated

Symptoms / routes of exposure

Skin contact: There may be irritation and redness at the site of contact.

Eye contact: There may be irritation and redness. The eyes may water profusely.

Ingestion: There may be soreness and redness of the mouth and throat.

Inhalation: There may be irritation of the throat with a feeling of tightness in the chest. Exposure may cause coughing or wheezing.

Delayed / immediate effects: Immediate effects can be expected after short-term exposure.

Section 12: Ecological information

12.1. Toxicity

Hazardous ingredients:

LIMESTONE

Daphnia magna	48H EC50	100	mg/l
FISH	96H LC50	100	mg/l
GREEN ALGA (Selenastrum capricornutum)	72H ErC50	14	mg/l

DIISONONYLPHTHALATE

Daphnia magna	48H EC50	74	mg/l
Scenedesmus Subspicatus	72H ErC50	88	mg/l
ZEBRAFISH (Brachydanio rerio)	96H LC50	102	mg/l

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N-(3-(TRIMETHOXYSILYL)PROPYL)ETHYLENEDIAMINE

Daphnia magna	48H EC50	81	mg/l
GREEN ALGA (Selenastrum capricornutum)	72H ErC50	8.8	mg/l
ZEBRAFISH (Brachydanio rerio)	96H LC50	597	mg/l

VINYLTRIMETHOXYSILANE

Daphnia magna	48H EC50	168.7	mg/l
GREEN ALGA (Selenastrum capricornutum)	72H ErC50	89	mg/l
RAINBOW TROUT (Oncorhynchus mykiss)	96H LC50	191	mg/l

12.2. Persistence and degradability

Persistence and degradability: Biodegradable.

12.3. Bioaccumulative potential

Bioaccumulative potential: No bioaccumulation potential.

12.4. Mobility in soil

12.5. Results of PBT and vPvB assessment

PBT identification: This product is not identified as a PBT/vPvB substance.

12.6. Other adverse effects

Other adverse effects: Negligible ecotoxicity.

Section 13: Disposal considerations

13.1. Waste treatment methods

Disposal operations: Transfer to a suitable container and arrange for collection by specialised disposal company.

NB: The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

Section 14: Transport information

Transport class: This product does not require a classification for transport.

Section 15: Regulatory information

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

Specific regulations: Not applicable.

15.2. Chemical Safety Assessment

Chemical safety assessment: A chemical safety assessment has not been carried out for the substance or the mixture by the supplier.

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Section 16: Other information

Other information

Other information: according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

* indicates text in the SDS which has changed since the last revision.

Phrases used in s.2 and s.3: H226: Flammable liquid and vapour.
H302: Harmful if swallowed.
H314: Causes severe skin burns and eye damage.
H317: May cause an allergic skin reaction.
H318: Causes serious eye damage.
H319: Causes serious eye irritation.
H332: Harmful if inhaled.
H341: Suspected of causing genetic defects.
H360: May damage fertility or the unborn child.
H370: Causes damage to organs.
H372: Causes damage to organs through prolonged or repeated exposure.
H373: May cause damage to organs ([bladder]) through prolonged or repeated exposure ([oral]).
H410: Very toxic to aquatic life with long lasting effects.
H412: Harmful to aquatic life with long lasting effects.

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