



Ultraseal International

SAFETY DATA SHEET

Ultraseal PC504/66

According to Hazcom 2012 (Appendix D To §1910.1200)

1. Identification

Product identifier

Product name Ultraseal PC504/66

Recommended use of the chemical and restrictions on use

Application Sealant.

Details of the supplier of the safety data sheet

Supplier Ultraseal America Inc.
4343 Concourse Drive, Suite 340
Ann Arbor, MI 48108
MSDS@ultraseal.co.uk
Tel: +1-734-222-9478 (Ultraseal America Customer Services - Office Hours)
Fax: +1-734-222-9479

Emergency telephone number

Emergency telephone +1-800-424-9300 (Chemtrec 24 hours)
+1-703-527-3887 (Outside USA 24 hours)

2. Hazard(s) identification

Classification of the substance or mixture

OSHA Regulatory Status This Product is Hazardous under the OSHA Hazard Communication Standard.

Physical hazards Not Classified

Health hazards Eye Irrit. 2A - H319 Skin Sens. 1 - H317

Environmental hazards Not Classified

Label elements

Pictogram



Signal word Warning

Hazard statements H317 May cause an allergic skin reaction.
H319 Causes serious eye irritation.

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Precautionary statements	<p>P261 Avoid breathing vapor/spray.</p> <p>P272 Contaminated work clothing must not be allowed out of the workplace.</p> <p>P280 Wear protective gloves/protective clothing/eye protection/face protection.</p> <p>P302+P352 If on skin: Wash with plenty of water.</p> <p>P333+P313 If skin irritation or rash occurs: Get medical advice/attention.</p> <p>P362+P364 Take off contaminated clothing and wash it before reuse.</p> <p>P403+P233 Store in a well-ventilated place. Keep container tightly closed.</p> <p>P410 Protect from sunlight.</p> <p>P411 Store at temperatures not exceeding 25°C /77°F.</p> <p>P501 Dispose of contents/container in accordance with local regulations.</p>
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Contains HYDROXYPROPYL METHACRYLATE, POLYACRYLATE ESTER

Other hazards

This product does not contain any substances classified as PBT or vPvB.

3. Composition/information on ingredients

Mixtures

HYDROXYPROPYL METHACRYLATE CAS number: Proprietary	50-100%
Classification Eye Irrit. 2A - H319 Skin Sens. 1 - H317	
POLYACRYLATE ESTER CAS number: Proprietary	1-5%
Classification Skin Sens. 1 - H317	

The Full Text for all Hazard Statements are Displayed in Section 16.

4. First-aid measures

Description of first aid measures

Inhalation	Remove affected person from source of contamination. Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. Get medical attention if any discomfort continues.
Ingestion	Do not induce vomiting. Never give anything by mouth to an unconscious person. Do not induce vomiting. Rinse mouth thoroughly with water. Get medical attention.
Skin Contact	Remove affected person from source of contamination. Remove contaminated clothing. Wash skin thoroughly with soap and water. Get medical attention if any discomfort continues.
Eye contact	Remove affected person from source of contamination. Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes and get medical attention.

Most important symptoms and effects, both acute and delayed

General information	The severity of the symptoms described will vary dependent on the concentration and the length of exposure.
Inhalation	Irritation of nose, throat and airway.

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Ingestion	No specific symptoms known.
Skin contact	Prolonged skin contact may cause redness and irritation.
Eye contact	Irritation of eyes and mucous membranes.

Indication of immediate medical attention and special treatment needed

Notes for the doctor	Treat symptomatically.
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5. Fire-fighting measures

Extinguishing media

Suitable extinguishing media Extinguish with the following media: Water spray. Foam, carbon dioxide or dry powder.

Unsuitable extinguishing media Do not use water jet as an extinguisher, as this will spread the fire.

Special hazards arising from the substance or mixture

Specific hazards Carbon dioxide (CO₂). Carbon monoxide (CO).

Hazardous combustion products Oxides of carbon. Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours.

Advice for firefighters

Protective actions during firefighting Containers close to fire should be removed or cooled with water. Be aware of danger of explosion.

Special protective equipment for firefighters Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

Personal precautions For personal protection, see Section 8.

Environmental precautions

Environmental precautions Do not discharge into drains or watercourses or onto the ground.

Methods and material for containment and cleaning up

Methods for cleaning up Provide adequate ventilation. Wear suitable protective equipment, including gloves, goggles/face shield, respirator, boots, clothing or apron, as appropriate. Absorb in vermiculite, dry sand or earth and place into containers. Avoid the spillage or runoff entering drains, sewers or watercourses. Inform authorities if large amounts are involved.

Reference to other sections For personal protection, see Section 8. See Section 11 for additional information on health hazards. Collect and dispose of spillage as indicated in Section 13.

7. Handling and storage

Precautions for safe handling

Usage precautions Avoid spilling. Avoid contact with skin and eyes.

Conditions for safe storage, including any incompatibilities

Storage precautions Store in tightly-closed, original container in a dry, cool and well-ventilated place. Protect from freezing and direct sunlight. Store at temperatures not exceeding 25°C/77°F.

Specific end uses(s)

Specific end use(s) The identified uses for this product are detailed in Section 1.2.

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8. Exposure Controls/personal protection

Control parameters

Occupational exposure limits

Exposure limits of constituents where known and applicable are given below

Exposure controls

Protective equipment



Appropriate engineering controls

All handling should only take place in well-ventilated areas.

Eye/face protection

The following protection should be worn: Chemical splash goggles or face shield.

Hand protection

It is recommended that gloves are made of the following material: Nitrile rubber. It should be noted that liquid may penetrate the gloves. Frequent changes are recommended.

Other skin and body protection

Wear appropriate clothing to prevent any possibility of skin contact.

Hygiene measures

Provide eyewash station. Do not smoke in work area. Wash hands at the end of each work shift and before eating, smoking and using the toilet. Wash promptly if skin becomes contaminated. Promptly remove any clothing that becomes contaminated. When using do not eat, drink or smoke.

Respiratory protection

No specific recommendations. Respiratory protection may be required if excessive airborne contamination occurs. If ventilation is inadequate, suitable respiratory protection must be worn. Wear a respirator fitted with the following cartridge: Gas filter, type A2.

Environmental exposure controls

Keep container tightly sealed when not in use.

9. Physical and Chemical Properties

Information on basic physical and chemical properties

Appearance	Liquid.
Color	Light (or pale). Straw.
Odor	Mild.
Odor threshold	Not available.
pH	Not applicable.
Melting point	Scientifically unjustified.
Initial boiling point and range	Not available.
Flash point	96°C
Evaporation rate	Not available.
Flammability (solid, gas)	Not applicable.
Upper/lower flammability or explosive limits	Not available.
Other flammability	Not available.

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Vapour pressure	0.11 hPa @ 20°C Estimated value.
Vapour density	Not available.
Relative density	1.005 - 1.015 @ 20°C
Solubility(ies)	Forms an emulsion with water.
Partition coefficient	Not applicable.
Auto-ignition temperature	Not available.
Decomposition Temperature	Not applicable.
Viscosity	32 - 34 s @ 20°C
Explosive properties	Not applicable.
Oxidising properties	Not applicable.
Other information	Not available.

10. Stability and reactivity

Reactivity	See the other subsections of this section for further details.
Stability	Stable at normal ambient temperatures.
Possibility of hazardous reactions	May polymerize violently. Store in original container to avoid contamination. Polymerizes easily with evolution of heat. Avoid heat. Avoid light.
Conditions to avoid	Polymerizes when heated. Avoid heat, flames and other sources of ignition. Avoid exposure to high temperatures or direct sunlight. Avoid contact with the following materials: Acids. Oxidizing agents.
Materials to avoid	Strong oxidizing agents. Strong reducing agents. Inorganic peroxides. Organic peroxides/hydroperoxides. Strong acids. Strong alkalis.
Hazardous decomposition products	Fire creates: Carbon monoxide (CO). Carbon dioxide (CO ₂).

11. Toxicological information

Information on toxicological effects

Toxicological effects	No information available.
<u>Serious eye damage/irritation</u>	
Serious eye damage/irritation	Irritation of eyes is assumed.
<u>Skin sensitisation</u>	
Skin sensitisation	Sensitizing.
<u>Germ cell mutagenicity</u>	
Genotoxicity - in vitro	This substance has no evidence of mutagenic properties.
<u>Carcinogenicity</u>	
Carcinogenicity	There is no evidence that the product can cause cancer.
<u>Reproductive toxicity</u>	

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Reproductive toxicity - development	This substance has no evidence of toxicity to reproduction.
Inhalation	May cause respiratory system irritation.
Skin Contact	Irritating to skin. May cause sensitisation by skin contact.
Eye contact	Irritating to eyes.
Route of entry	Skin and/or eye contact
Target Organs	Skin Eyes
Medical Symptoms	Skin irritation. Irritation of eyes and mucous membranes.

12. Ecological Information

Toxicity

Acute toxicity - fish Not available.

Acute toxicity - aquatic invertebrates Not available.

Acute toxicity - aquatic plants Not available.

Acute toxicity - microorganisms Not available.

Acute toxicity - terrestrial Not available.

Chronic toxicity - fish early life stage Not available.

Chronic toxicity - aquatic invertebrates Not available.

Persistence and degradability

Persistence and degradability The product is expected to be biodegradable.

Bioaccumulative potential

Bio-Accumulative Potential Bioaccumulation is unlikely to be significant because of the low water-solubility of this product.

Partition coefficient Not applicable.

Mobility in soil

Mobility The product has poor water-solubility.

Results of PBT and vPvB assessment

Results of PBT and vPvB assessment Not relevant

Other adverse effects

Other adverse effects Not known.

13. Disposal considerations

Waste treatment methods

Disposal methods Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

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Waste class 08 04 09 08 04 11 08 04 15 15 01 10 16 10 01 16 05 08

14. Transport information

General The product is not covered by international regulations on the transport of dangerous goods (IMDG, IATA, DoT).

UN Number

Not applicable.

UN proper shipping name

Not applicable.

Transport hazard class(es)

Not applicable.

Transport labels

Packing group

Not applicable.

Environmental hazards

Environmentally Hazardous Substance

No.

Special precautions for user

Not applicable.

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code Not applicable.

15. Regulatory information

International Regulations

US Federal Regulations

SARA Section 302 Extremely Hazardous Substances Tier II Threshold Planning Quantities
Not listed.

CERCLA/Superfund, Hazardous Substances/Reportable Quantities (EPA)
Not listed.

SARA Extremely Hazardous Substances EPCRA Reportable Quantities
Not listed.

SARA 313 Emission Reporting
Not listed.

SARA (311/312) Hazard Categories
Acute
Chronic

OSHA Highly Hazardous Chemicals
Not listed.

US State Regulations

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California Proposition 65 Carcinogens and Reproductive Toxins

Not listed.

Massachusetts "Right To Know" List

Not listed.

Minnesota "Right To Know" List

Not listed.

New Jersey "Right To Know" List

Not listed.

Pennsylvania "Right To Know" List

Not listed.

Inventories

EU - EINECS/ELINCS

All the ingredients are listed or exempt.

Canada - DSL/NDSL

All the ingredients are listed or exempt.

US - TSCA

All the ingredients are listed or exempt.

Australia - AICS

All the ingredients are listed or exempt.

Japan - MITI

All the ingredients are listed or exempt.

Korea - KECI

All the ingredients are listed or exempt.

China - IECSC

All the ingredients are listed or exempt.

Philippines - PICCS

All the ingredients are listed or exempt.

New Zealand - NZIOC

All the ingredients are listed or exempt.

16. Other information

Revision date	5/28/2015
Revision	9
Supersedes date	13/12/2012
Hazard statements in full	H317 May cause an allergic skin reaction. H319 Causes serious eye irritation.
NFPA - flammability hazard	Burns only if pre-heated. (1)
NFPA - health hazard	Temporary incapacitation, injury. (2)
NFPA - instability hazard	Unstable if heated. (1)

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ACA HMIS Health rating.	Moderate hazard. (2)
ACA HMIS Physical hazard rating.	Unstable if heated. (1)
ACA HMIS Flammability rating.	Burns only if pre-heated. (1)

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