

## Safety data sheet

PCT safety data sheet pursuant to Regulation (EC) No 1907/2006 in the currently applicable version.

Date/revision date: 04 July 2022

**Product:** Retanol Xtreme Pro 1

**Print date:** 23 August 2021

### SECTION 1: Identification of the substance/mixture and of the company/undertaking

<b>1.1. Product identifier</b>	<b>Retanol Xtreme Pro 1</b>
<b>1.2. Relevant identified use of the substance or mixture and uses advised against</b>	<u>Relevant identified use:</u> Additive for cement screed
<b>1.3. Details of the supplier of the safety data sheet</b>	<u>Company:</u> PCT Chemie GmbH 71106 Magstadt Germany phone: +49 7159 4062-0 Email address: info@pct-chemie.de
<b>1.4. Emergency contact</b>	Telephone: +49 7159 4062-0

### SECTION 2: Potential hazards

<b>2.1. Classification of the substance or mixture</b>	<u>According to Regulation (EC) No 1272 / 2008 (CLP):</u> According to GHS criteria the product is not liable to classification.
<b>2.2. Labelling elements</b>	<u>According to Regulation (EC) No 1272 / 2008 (CLP):</u> According to GHS criteria the product is not subject to labelling.
	<u>Signal word:</u> No signal word.
	<u>Hazard statement:</u> No hazard statement.
	<u>Supplemental labelling elements:</u> EUH208: Contains triisobutyl phosphite, may cause allergic reactions. EUH210: Safety data sheet available on request.
	<u>Safety instructions (prevention):</u> P280c: Wear protective gloves.
<b>2.3. Other hazards</b>	<u>According to Regulation (EC) No 1272 / 2008 (CLP):</u>

## Safety data sheet

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	No particular hazards known, if stored and handled as prescribed/indicated.
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## SECTION 3: Composition/information on ingredients

<b>3.1. Substances</b>	Not applicable.
<b>3.2. Mixtures</b>	<p><u>Chemical characterisation:</u> Aliphatic acid condensate, additives</p> <p><u>Hazardous ingredients (GHS) according to Regulation (EC) No 1272/2008:</u> Triisobutyl phosphate Content (W/W): <math>\geq 0.2\%</math> - <math>\leq 0.7\%</math> CAS No: 126-71-6 EC No: 204-798-3 Skin Sens. 1B H317</p> <p><u>Hazardous ingredients according to Regulation 1999/45/EC:</u> Triisobutyl phosphate Content (W/W): <math>\geq 0.2\%</math> - <math>\leq 0.7\%</math> CAS No: 126-71-6 EC No: 204-798-3 Hazard symbol(s): Xi R phrases: 43</p>
For the classifications not written out in full in this section, including the hazard designation, the hazard symbols, the R phrases and hazard statements, the full text is listed in section 16.	

## SECTION 4: First-aid measures

<b>4.1. Description of the first-aid measures</b>	Remove polluted clothes.
	<u>After skin contact:</u> Clean off immediately with plenty of soap and water.
	<u>After eye contact:</u>

**Safety data sheet**

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	<p>Immediately wash affected eyes for at least 15 minutes under running water with eyelids held open, consult an eye specialist.</p> <p><u>After swallowing:</u> Immediately rinse mouth and drink plenty of water, seek medical attention.</p>
<b>4.2. Most important symptoms and effects, both acute and delayed</b>	<p><u>Symptoms:</u> The most important known symptoms and effects are described in the labelling of the product (see section 2) and/or in section 11.</p>
<b>4.3. Indication of any immediate medical attention or special treatment needed</b>	<p><u>Treatment:</u> Symptomatic treatment, no specific antidote known.</p>

**SECTION 5: Fire-fighting measures**

<b>5.1. Extinguishing agents</b>	<p><u>Suitable extinguishing agents:</u> Water, spray water, foam, dry extinguishing agent, carbon dioxide</p>
<b>5.2. Special hazards arising from the substance or mixture</b>	<p>Carbon dioxide, carbon monoxide, harmful vapours, nitrogen oxides, fumes, carbon black</p>
<b>5.3. Advice for firefighters</b>	<p><u>Special protective gear:</u> Wear protective respiratory gear that is independent of recirculating air.</p>

**SECTION 6: Accidental release measures**

<b>6.1. Personal precautions, protective equipment and emergency procedures</b>	<p><u>Advice for non-emergency personnel:</u> Wear protective gear. Do not inhale vapour/aerosol/spray mist. Avoid substance contact. Please follow the usual precautions when dealing with chemical products for construction. Prevent skin contact by keeping a safe distance or by wearing suitable protective clothing.</p>
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## Safety data sheet

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**Product:** Retanol Xtreme Pro 1

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	<p><u>Indications for emergency personnel:</u> Use protection as stated in section 8 to prevent any contamination of skin, eyes and personal clothing.</p>
<b>6.2. Environmental protection measures</b>	Tainted water/extinguishing water should not get into the sewerage/surface water/groundwater. Disposal according to official regulations.
<b>6.3. Methods and material for containment and cleaning up</b>	Absorb with liquid-binding material. Contain/dam up. Larger quantities need to be pumped out. Dispose of absorbed material in accordance with the regulations.
<b>6.4. Reference to other sections</b>	For more information on exposure limits and controls/personal protection measures and information on the disposal, please refer to sections 7, 8 and 13.

## SECTION 7: Handling and storage

<b>7.1. Precautions for safe handling</b>	Avoid aerosol formation. Avoid inhaling mist/vapours. Avoid contact with skin. The usual precautions in handling with chemicals are to be observed.
	<p><u>Guideline for a safe handling:</u> No special precautions necessary when applied correctly.</p>
	<p><u>Guideline for fire and explosion protection:</u> No special precautions necessary.</p>
<b>7.2. Conditions for safe storage, including any incompatibilities</b>	Keep only in the original container in a cool, well-ventilated place away from ignition sources, heat or flame. Protect from direct sunlight. Store in a frost-protected area.
	<p><u>Storage class:</u> Non-flammable liquids.</p>

**Safety data sheet**

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<b>7.3. Specific end uses</b>	In the case of the identified relevant use according to section 1 the indications set forth in this section 7 must be observed.
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**SECTION 8: Exposure limits and control/personal protective equipment**

<b>8.1. Parameters to be monitored</b>	<u>Components with occupational exposure limits:</u> No occupational exposure limits to be monitored known.
<b>8.2. Exposure limits and control</b>	<u>Personal protective equipment:</u> Hand protection gear: Hand protection gear: suitable chemical resistant protective gloves (EN 374). Because of the considerable number of product types, please observe the Operating Instructions of the respective manufacturer. Eye protection: Safety goggles with side protection. (frame of glasses for ex. EN 166) <u>General protection and hygiene measures:</u> Do not inhale gases/vapours/aerosols. Avoid contact with skin, eyes and clothing. Avoid exposure. Please follow the usual precautions when dealing with chemical products for construction. Wearing of closed work clothing is recommended. Do not eat, drink or smoke while using. Wash hands and/or face before breaks and at the end of work. Thoroughly clean and care for skin after handling the product. Gloves must be inspected regularly and prior to each use. Replace, if required (for ex. small leaks). <u>Environmental exposure limits and control:</u>

**Safety data sheet**

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	See sections 6 and 7.
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**SECTION 9: Physical and chemical properties**

<b>9.1. Information on basic physical and chemical properties</b>  <b>Properties</b>	<u>Form:</u> Liquid
	<u>Colour:</u> Light yellow
	<u>Odour:</u> Typical
	<u>Change of state:</u> Boiling point/boiling range: 100 °C
	<u>Flash point:</u> Not applicable.
	<u>Self-inflammability:</u> Not spontaneously inflammable.
	<u>Explosion hazard:</u> Not explosion-prone.
	<u>Oxidising properties:</u> Not oxidising.
	<u>Vapour pressure at 20°C:</u> 23 hPA
	<u>Density:</u> Approx. 1.08 g/cm <sup>3</sup> (at 20°C)
	<u>Relative density:</u> Approx. 1.08
	<u>Relative vapour density (air):</u> Not determined.
	<u>Partition coefficient: n-octanol/water:</u> Not required.
	<u>Thermal decomposition:</u> Not determined.
	<u>Viscosity, dynamic:</u> Not determined.
<u>Solubility in / miscibility with water:</u> Mixable	

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	<u>pH value:</u> 5-6
<b>9.2. Miscellaneous information</b>	Indicate other physical and chemical parameters in this section, if required.

**SECTION 10: Stability and reactivity**

<b>10.1. Reactivity</b>	No dangerous reactions, if stored and handled as prescribed/indicated.
<b>10.2. Chemical stability</b>	The product is stable, if stored and handled as prescribed/indicated.
<b>10.3. Possibility of dangerous reactions</b>	No dangerous reactions, if stored and handled as prescribed.
<b>10.4. Conditions to avoid</b>	See section 7 – Handling and storage.
<b>10.5. Incompatible materials</b>	<u>Substances to avoid:</u> Strong acids, strong bases, strong oxidising agents, reactive chemical products.
<b>10.6. Dangerous decomposition products</b>	No dangerous decomposition products, if stored and handled as prescribed/indicated.

**SECTION 11: Toxicological information**

<b>11.1. Information on toxicological effects</b>	<u>Acute toxicity:</u> Assessment acute toxicity: On account of the available data, the classification criteria are not met.
	<b>Primary irritant effect:</b>
	<u>Corrosive/irritant to skin:</u> On account of the available data, the classification criteria are not met.
	<u>Serious eye damage/eye irritation:</u> On account of the available data, the classification criteria are not met.

**Safety data sheet**

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	<p><u>Sensitisation of respiratory tract/skin:</u> The mixture does not cause skin sensitization. In spite of this, allergic reactions can occur in susceptible individuals.</p>
	<p><u>Germ cell mutagenicity:</u> On account of the available data, the classification criteria are not met.</p>
	<p><u>Carcinogenicity:</u> On account of the available data, the classification criteria are not met.</p>
	<p><u>Reproduction toxicity:</u> On account of the available data, the classification criteria are not met.</p>
	<p><u>Specific target organ toxicity after single exposure:</u> On account of the available data, the classification criteria are not met.</p>
	<p><u>Specific target organ toxicity after repeated exposure:</u> On account of the available data, the classification criteria are not met.</p>
	<p><u>Aspiration hazard:</u> On account of the available data, the classification criteria are not met.</p>
	<p><b>Additional toxicological information:</b></p>
	<p><u>Hazardous ingredients according to Regulation (EC) No 1272/2008:</u> Triisobutyl phosphate Content (W/W): &gt;= 0.2 % - &lt;= 0.7 % CAS No: 126-71-6 EC No: 204-798-3 Hazard symbol(s): Xi R phrases: 43</p>

**SECTION 12: Environmental information**

Mitglied im Verband:





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<b>12.1. Toxicity</b>	<u>Assessment of aquatic toxicity:</u> There is a high probability that the product is not acutely harmful to aquatic organisms.
<b>12.2. Persistence and degradability</b>	Assessment biodegradation and elimination (H <sub>2</sub> O): Not easily bio-degradable (according to OECD-criteria)
<b>12.3. Bioaccumulation potential</b>	No data available
<b>12.4. Mobility in soil</b>	No data available
<b>12.5. Results of the PBT and vPvB assessment</b>	The product does not meet the criteria for PBT (persistent/bioaccumulative/toxic), or vPvB (very persistent/very bioaccumulative)
<b>12.6. Other adverse effects</b>	No further relevant information available.

## SECTION 13: Disposal information

<b>13.1. Waste treatment methods</b>	Do not dispose with domestic waste. Must be disposed of in compliance with local regulations, e.g. to a suitable landfill or incineration plant.
	<u>Uncleaned packaging:</u> May be used again after cleaning.
	<u>Recommended detergent:</u> Water
	<u>Trading name:</u> Retanol Xtreme Pro 1

## SECTION 14: Shipment information

<b>14.1. UN number</b>	ADR/RID/ADN, IMDG, IATA not applicable
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<b>14.2. UN proper shipping name</b>	ADR/RID/ADN, IMDG, IATA not applicable
<b>14.3. Transport hazard class</b>	ADR/RID/ADN, IMDG, IATA not applicable
<b>14.4. Packing group</b>	ADR/RID/ADN, IMDG, IATA not applicable
<b>14.5. Environmental risks</b>	Marine pollutant: No
<b>14.6. Special precautions for user</b>	Not applicable.
<b>14.7. Transport in bulk according to Annex II of MARPOL Convention and the IBC Code</b>	Not applicable.
<b>Transport/further details</b>	No hazardous good according to the above specifications.
<b>UN "Model Regulation"</b>	Not applicable.

**SECTION 15: Legislation**

<b>15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture</b>	<p><u>Directive 2012/18/EU</u>  <u>Dangerous substances listed by name</u>          - ANNEX I          None of the ingredients is listed.</p>
	<p><b>National regulations:</b>  <u>Water hazard class:</u>          WGK 1 (self-classification):          Slightly hazardous to water.          If other legislation has to be applied and is not specified elsewhere in this Safety data sheet this can be found in this subsection.</p>
<b>15.2. Chemical safety assessment</b>	Chemical safety assessment not necessary.

**SECTION 16: Miscellaneous information**

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<b>Data sheet issuing authority</b>	PCT Chemie GmbH Hemmingen
<b>Contact person</b>	Dept.: Technical Services Bernhard Friedrich   Mobile: +49 151 526 50921
<p>Other intended applications should be discussed with the manufacturer.</p> <p>Full words of all classifications, including the hazard designation, hazard symbols, R phrases and hazard statements, if identified in section 2 or 3:</p> <p><b>EUH208:</b> Contains triisobutyl phosphate, may cause allergic reactions.</p> <p><b>EUH210:</b> Safety data sheet available on request</p> <p><b>Skin Sens. 1</b></p> <p><b>H317:</b> May cause an allergic skin reaction.</p> <p><b>Hazard symbol(s):</b> Xi irritant</p> <p><b>R phrases:</b> 43 May cause sensitisation by skin contact.</p>	

The information mentioned above is based on our current knowledge and does not present a warranty of any feature and therefore does not justify a legal relationship or any warranty claim. Existing laws and regulations need to be observed by the recipient's sole responsibility. The technical data sheet that is currently in force is downloadable at [www.pct-chemie.de](http://www.pct-chemie.de).