

**Iso Pro P Plaster-Plaster Separator**

**1. Identification of the substance / Preparation and Company:**

- 1.1 Identification of the substance or preparation:  
Commercial product name: Iso Pro P Plaster-Plaster Separator
- 1.2 Relevant identified uses of the substance or mixture and uses advised against:  
Application of the substance / the mixture: Coating  
No further relevant information available.
- 1.3 Manufacturer/Supplier: al dente Dentalprodukte GmbH  
Street / mailbox: Borsigstr. 1  
Country code. / postal code / city: D - 38644 Goslar  
Phone: 0 53 21 / 80031  
Fax: 0 53 21 / 50881  
E-mail / Website: [info@aldente.de](mailto:info@aldente.de) / [www.aldente.de](http://www.aldente.de)  
Further information obtainable from: al dente Dentalprodukte GmbH
- 1.4 Emergency telephone number  
al dente Dentalprodukte GmbH: +49 (0) 53 21 / 80031 (Mon-Fri. 8 a.m. – 4 p.m.)

**2. Hazards Identification:**

- 2.1 Classification of the substance or mixture  
Classification according to Regulation (EC) No 1272/2008
- |                   |      |   |
|-------------------|------|---|
| Flam. Liq. 2      | H225 | Highly flammable liquid and vapour.                   |
| Skin Irrit. 2     | H315 | Causes skin irritation.                               |
| Eye Irrit. 2      | H319 | Causes serious eye irritation.                        |
| STOT SE 3         | H336 | May cause drowsiness or dizziness.                    |
| Asp. Tox. 1       | H304 | May be fatal if swallowed and enters airways.         |
| Aquatic Acute 1   | H400 | Very toxic to aquatic life.                           |
| Aquatic Chronic 1 | H410 | Very toxic to aquatic life with long lasting effects. |

- 2.2 Label elements  
Labelling according to Regulation (EC) No 1272/2008: The product is classified and labelled according to the CLP regulation.

Hazard pictograms



GHS02 GHS07 GHS08 GHS09

Signal word: Danger.

Hazard-determining components of labelling:

heptane  
propan-2-ol  
methylcyclohexane  
cyclohexane

Hazard statements

H225	Highly flammable liquid and vapour.
H315	Causes skin irritation.
H319	Causes serious eye irritation.
H336	May cause drowsiness or dizziness.
H304	May be fatal if swallowed and enters airways.
H410	Very toxic to aquatic life with long lasting effects.

Precautionary statements

P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P241	Use explosion-proof [electrical/ventilating/lighting] equipment.
P261	Avoid breathing mist/vapours/spray.
P301+P310	IF SWALLOWED: Immediately call a POISON CENTER/ doctor.
P321	Specific treatment (see on this label).
P331	Do NOT induce vomiting.

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P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].  
 P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
 P362+P364 Take off contaminated clothing and wash it before reuse.  
 P405 Store locked up.

Labelling of packages where the contents do not exceed 125 ml  
 Hazard pictograms



GHS02 GHS07 GHS08 GHS09

Signal word

Hazard-determining components of labelling:

Danger  
 heptane  
 propan-2-ol  
 methylcyclohexane  
 cyclohexane

Hazard statements

H304 May be fatal if swallowed and enters airways.

Precautionary statements

P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/ doctor.

P331 Do NOT induce vomiting.

P405 Store locked up.

2.3 Other hazards:

Results of PBT and vPvB assessment

PBT:

Not applicable.

vPvB:

Not applicable.

**3. Composition / Information on Ingredients:**

3.2 Chemical characterization:

Description:


Mixture.

Mixture of substances listed below with non-hazardous additions.

Dangerous components:

CAS: 67-63-0 EINECS: 200-661-7 Index number: 603-117-00-0 RTECS: NT 8050000 Reg.nr.: 01-2119457558-25	<b>propan-2-ol</b> Flam. Liq. 2, H225;  Eye Irrit. 2, H319; STOT SE 3, H336	25-50 %
CAS: 142-82-5 EINECS: 205-563-8 Index number: 601-008-00-2 RTECS: MI 7700000	<b>heptane</b> Flam. Liq. 2, H225;  Asp. Tox. 1, H304;  Aquatic Acute 1, H400;  Skin Irrit. 2, H315; STOT SE 3, H336	10-25 %
CAS: 108-87-2 EINECS: 203-624-3 Index number: 601-018-00-7 RTECS: GV 6125000	<b>methylcyclohexane</b> Flam. Liq. 2, H225;  Asp. Tox. 1, H304;  Aquatic Chronic 2, H411;  Skin Irrit. 2, H315; STOT SE 3, H336	2,5-10 %
CAS: 110-82-7 EINECS: 203-806-2 Index number:	<b>cyclohexane</b> Flam. Liq. 2, H225;  Asp. Tox. 1, H304;  Aquatic Acute 1,	2,5-10 %

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601-017-00-1	H400; Aquatic Chronic 1, 4410;  Skin Irrit. 2, H315; STOT SE 3, H336	
RTECS:		
GU 6300000		

Additional information: For the wording of the listed risk phrases refer to section 16.

**4. First aid measures:** \*

4.1	Description of first aid measures After inhalation:	In case of unconsciousness place patient stably in side position for transportation. Supply fresh air; consult doctor in case of complaints.
4.2	After skin contact:	Immediately wash with water and soap and rinse thoroughly.
4.3	After eye contact:	Rinse open eye for several minutes under running water. If symptoms persist, consult a doctor.
4.4	After swallowing:	Do not induce vomiting; call for medical help immediately.
4.5	Most important symptoms and effects, both acute and delayed:	No further relevant information available.
4.6	Indication of any immediate medical attention and special treatment needed	No further relevant information available.

**5. Fire Fighting measures:** \*

5.1	Extinguishing media Suitable extinguishing agents:	CO <sub>2</sub> , powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
	For safety reasons unsuitable extinguishing agents:	Water with full jet
5.2	Special hazards arising from the substance or mixture	No further relevant information available.
5.3	Protective equipment:	No special measures required.

**6. Accidental release measures:** \*

6.1	Personal precautions, protective equipment and emergency procedures	Wear protective equipment. Keep unprotected persons away.
6.2	Environmental precautions:	Inform respective authorities in case of seepage into watercourse or sewage system. Do not allow to enter sewers / surface or ground water.
6.3	Methods and material for containment and cleaning up:	Absorb with liquid-binding material (sand, diatomite, universal binders and sawdust). Dispose contaminated material as waste according to item 13. Ensure adequate ventilation.
6.4	Reference to other sections:	See Section 7 for information on safe handling. See Section 8 for information on personal protection equipment. See Section 13 for disposal information.

**7. Handling and Storage:** \*

7.1	Precautions for safe handling Information about fire- and explosion protection:	Store in cool, dry place in tightly closed receptacles. Keep ignition sources away – Do not smoke. Protect against electrostatic charges.
7.2	Conditions for safe storage, including any incompatibilities Storage: Requirements to be met by storerooms and receptacles:	Store in a cool location.
	Information about storing in one common storage facility:	Not required.
7.3	Further information about storage conditions:  Specific end use(s)	Keep container tightly sealed. Store in cool, dry conditions in well-sealed receptacles. No further relevant information available.

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**8. Exposure controls / Personal protection:** \*

Additional information about design of technical facilities: No further data; see item 7.

8.1	Ingredients with limit values that require monitoring at the workplace:	
	67-63-0 propan-2-ol	
	WEL	Short-term value: 1250 mg/m <sup>3</sup> , 500 ppm Long-term value: 999 mg/m <sup>3</sup> , 400 ppm
	142-82-5 heptane	
	WEL	Long-term value: 500 ppm
	110-82-7 cyclohexane	
	WEL	Short-term value: 1050 mg/m <sup>3</sup> , 300 ppm Long-term value: 350 mg/m <sup>3</sup> , 100 ppm

8.2 Additional information: The lists valid during the making were used as basis.  
 Personal protective equipment: Keep away from foodstuffs, beverages and feed.  
 General protective and hygienic measures: Immediately remove all soiled and contaminated clothing.  
 Wash hands before breaks and at the end of work.  
 Avoid contact with the eyes and skin.  
 Respiratory protection: Not necessary if room is well-ventilated.

Protection of hands:



Protective gloves.

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation.

Material of gloves: The selection of suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material cannot be calculated in advance and has therefore to be checked prior to the application.

Penetration time of glove material: The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

For the permanent contact in work areas without heightened risk of injury (e.g. Laboratory) gloves made of the following material are suitable: Chloroprene rubber, CR  
 Fluorocarbon rubber (Viton)

As protection from splashes gloves made of the following materials are suitable: Nitrile rubber, NBR.

Eye protection:



Tightly sealed goggles.

**9. Physical and chemical properties:** \*

9.1 Information on basic physical and chemical properties

General information:

Appearance:

Form:

Fluid

Colour:

Clear

Odour:

Characteristic

Odour threshold:

Not determined.

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pH-value:	Not determined.
Change in condition:	
Boiling point / Boiling range:	78°C
Flash point:	-9°C
Flammability (solid, gaseous):	Not applicable.
Ignition temperature:	215°C
Decomposition temperature:	Not determined.
Self-igniting:	Product is not self-igniting.
Danger of explosion:	Product is not explosive. However, formation of explosive air/ vapour mixtures are possible.
Explosion limits:	
Lower:	1,1 Vol %
Upper:	12,0 Vol %
Vapour pressure at 20 °C:	48 hPa
Density at 20°C:	0,74 g/cm <sup>3</sup>
Relative density:	Not determined.
Vapour density:	Not determined.
Evaporation rate:	Not determined.
Solubility in / miscibility with water:	Not miscible or difficult to mix.
Partition coefficient (n-octanol/water):	Not determined.
Viscosity:	
Dynamic:	Not determined.
Kinematic:	Not determined.
Solvent content:	
Organic solvents:	>70 %
Water:	0 %
VOC (EC):	78 %
9.2 Other information:	No further relevant information available.

**10. Stability and Reactivity:** \*

10.1 Reactivity:	No further relevant information available.
10.2 Chemical stability	
Thermal decomposition / conditions to be avoided:	No decomposition if used according to specifications.
10.2 Possibility of hazardous reactions:	No dangerous reactions known.
10.3 Conditions to avoid:	No further relevant information available.
10.4 Incompatible materials:	No further relevant information available.
10.5 Hazardous decomposition products:	No dangerous decomposition products known.

**11. Toxicological Information:** \*

11.1 Acute toxicity:

LD/LC50 values relevant for classification:		
67-63-0 propan-2-ol		
Oral	LD50	5045 mg/kg (rat)
Dermal	LD50	12800 mg/kg (rabbit)
Inhalative	LC50/4 h	30 mg/l (rat)
108-87-2 methylcyclohexane		
Oral	LD50	2250 mg/kg (mouse)
110-82-7 cyclohexane		
Oral	LD50	12705 mg/kg (rat)

Primary irritant effect:	
Skin corrosion/irritation:	Causes skin irritation.
Serious eye damage/irritation:	Causes serious eye irritation.
Respiratory or skin sensitisation:	Based on available data, the classification criteria are not met.

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Additional toxicological information:

CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)

Germ cell mutagenicity:	Based on available data, the classification criteria are not met.
Carcinogenicity:	Based on available data, the classification criteria are not met.
Reproductive toxicity:	Based on available data, the classification criteria are not met.
STOT-single exposure:	Based on available data, the classification criteria are not met.
STOT-repeated exposure:	Based on available data, the classification criteria are not met.
Aspiration hazard:	May be fatal if swallowed and enters airways.

**12. Ecological Information:** \*

12.1 Toxicity	
Aquatic toxicity:	No further relevant information available.
12.2 Persistence and degradability:	No further relevant information available.
12.3 Bioaccumulative potential:	No further relevant information available.
12.4 Mobility in soil:	No further relevant information available.
Ecotoxicological effects:	
Remark:	Very toxic for fish.
Additional ecological information:	
General notes:	Water hazard class 2 (German Regulation) (Self-assessment): hazardous for water. Do not allow product to reach ground water, water course or sewage system. Also poisonous for fish and plankton in water bodies. Very toxic for aquatic organisms.
12.5 Results of PBT and vPvB assessment:	
PBT:	Not applicable.
vPvB:	Not applicable.
12.6 Other adverse effects:	No further relevant information available.

**13. Disposal Considerations:**

13.1 Product - Recommendation:	Must not be disposed together with the household garbage. Do not allow product to reach sewage system.
European waste catalogue:	
07 00 00	WASTES FROM ORGANIC CHEMICAL PROCESSES
07 07 00	Wastes from the MFSU of fine chemicals and chemical products not otherwise specified.
07 07 04	other organic solvents, washing liquids and mother liquors
Uncleaned packaging – Recommendation:	Disposal off according to official regulations.

**14. Transport Information:** \*

14.1 UN-Number	
ADR, IMDG, IATA	UN1993
14.2 UN proper shipping name	
ADR	1993 FLA MM ABLE LIQUID , N. O. S. (HEPTANE S, ISOPROPANOL (ISOPROPYL ALCOHOL))
IMDG, IATA	FLAMMABLE LIQUID, N.O.S. (HEPTANES, ISOPROPANOL (ISOPROPYL ALCOHOL))
14.3 Transport hazard class:	
ADR:	

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Class: 3 Flammable liquids.  
Label: 3  
IMDG, IATA



Class: 3 Flammable liquids.  
Label: 3  
ADR, IMDG, IATA

- 14.4 Packaging group: II
- 14.5 Environmental hazards:  
Marine pollutant: No.  
Special marking (ADR): Symbol (fish and tree)
- 14.6 Special precautions for user  
Warning: Flammable liquids.  
Danger code (Kemler): 33  
EMS Number: F-E, S-E
- 14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code:  
Transport/Additional information: ADR  
Excepted quantities (EQ): E2  
Limited quantities (LQ): 1L  
Transport category: 2  
Tunnel restriction code: D/E  
UN „Model Regulation“: UN1993, FLAMMABLE LIQUID, N.O.S., 3, II

**15. Regulatory Information:** \*

- 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture  
Labelling according to Regulation (EC) No 1272/2008: GHS label elements  
Directive 2012/18/EU  
REGULATION (EC) No 1907/2006 ANNEX XVII: Conditions of restriction: 3, 57
- 15.2 Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

**16. Further Information:** \*

This information is based on our present knowledge. However this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- 16.1 Relevant phrases:  
H225 Highly flammable liquid and vapour.  
H304 May be fatal if swallowed and enters airways.  
H315 Causes skin irritation.  
H319 Causes serious eye irritation.  
H336 May cause drowsiness or dizziness.  
H400 Very toxic to aquatic life.  
H410 Toxic to aquatic life with long lasting effects.  
H411 Very toxic to aquatic life with long lasting effects.
- 16.2 Abbreviations and acronyms:  
ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road).  
RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail).

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IMDG:	International Maritime Code for Dangerous Goods.
IATA:	International Air Transport Association.
IATA-DGR:	Dangerous Goods Regulations by the "International Air Transport Association".
ICAO:	International Civil Aviation Organization.
ICAO-TI:	Technical Instructions by the "International Civil Aviation Organization".
GHS:	Globally Harmonized System of Classification and Labelling of Chemicals.
EINECS:	European Inventory of Existing Commercial Chemical Substances
ELINCS:	European List of Notified Chemical Substances
CAS:	Chemical Abstracts Service (division of the American Chemical Society)
VOC:	Volatile Organic Compounds (USA, EU)
LC50:	Lethal concentration, 50 percent.
LD50:	Lethal dose, 50 percent.
PBT:	Persistent, Bioaccumulative and Toxic
vPvB:	very Persistent and very Bioaccumulative
Flam. Liq. 2:	Flammable liquids, Hazard Category 2
Skin Irrit. 2:	Skin corrosion/irritation, Hazard Category 2
Eye Irrit. 2:	Serious eye damage/eye irritation, Hazard Category 2
STOT SE 3:	Specific target organ toxicity - Single exposure, Hazard Category 3
Asp. Tox. 1:	Aspiration hazard, Hazard Category 1
Aquatic Acute 1:	Hazardous to the aquatic environment - AcuteHazard, Category 1
Aquatic Chronic 1:	Hazardous to the aquatic environment - Chronic Hazard, Category 1
Aquatic Chronic 2:	Hazardous to the aquatic environment - Chronic Hazard, Category 2

\* Data compared to the previous version altered.