



ARIDION 120 C1

SAFETY DATA SHEET

ACCORDING TO EC-REGULATIONS 1907/2006 (REACH), 1272/2008 (CLP) & 453/2010

1. SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1	Product identifier	
	Product Name	ARIDION 120 C1
	Chemical Name	Perfluorodecyl Acrylate
	Product code	ARID120C1
	CAS No.	27905-45-9
	EINECS No.	248-722-7
	REACH Registration No.	To be assigned.
1.2	Relevant identified uses of the substance or mixture and uses advised against	
	Identified use(s)	Water repellency treatment.
	Uses advised against	None known.
1.3	Details of the supplier of the safety data sheet	
1.3.1	Manufacturer	
	Company Identification	P2i Limited, 127 North, Milton Park, Abingdon, Oxfordshire, OX14 4SA United Kingdom.
	Telephone	+44 (0) 1235 833100
	Fax	+44 (0) 1235 861214
	E-Mail (competent person)	info@p2i.com
1.4	Emergency telephone number	
	Emergency Phone No.	+44 (0)1235 833100 (English language. GMT, 09:00 – 17:30, Mon-Fri)

2. SECTION 2: HAZARDS IDENTIFICATION

2.1	Classification of the substance or mixture	
2.1.1	Regulation (EC) No. 1272/2008 (CLP).	Skin Irrit. 2 Eye Irrit. 2 Specific target organ toxicity — single exposure, STOT SE 3 May cause respiratory irritation.
2.1.2	Directive 67/548/EEC & Directive 1999/45/EC	R36/37/38: Irritating to eyes, respiratory system and skin.
2.2.1	Label elements	
	Product Name	According to Regulation (EC) No. 1272/2008 (CLP). ARIDION 120 C1
	Hazard pictogram(s)	





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Signal word(s)	Warning
Hazard statement(s)	H315: Causes skin irritation. H319: Causes serious eye irritation. H335: May cause respiratory irritation.
Precautionary statement(s)	P261: Avoid breathing dust/fume/gas/mist/vapours/spray. P280: Wear protective gloves/protective clothing/eye protection/face protection. P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P308+P313: IF exposed or concerned: Get medical advice/attention. P362: Take off contaminated clothing and wash before reuse. P403+P233: Store in a well-ventilated place. Keep container tightly closed.
2.3 Other hazards	None known.
2.4 Additional Information	For full text of H/P phrases see section 16.

3. SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances

EC Classification No. 1272/2008

Hazardous ingredient(s)	%W/W	CAS No.	EC No.	REACH Registration No.	Hazard statement(s)
Perfluorodecyl Acrylate	ca.100	27905-45-9	248-722-7	None assigned.	Skin Irrit. 2; H315 Eye Irrit. 2; H319 STOT SE 3; H335

EC Classification No. 67/548/EEC

Hazardous ingredient(s)	%W/W	CAS No.	EC No.	REACH Registration No.	EC Classification and Risk Phrases
Perfluorodecyl Acrylate	ca.100	27905-45-9	248-722-7	None assigned.	R36/37/38

3.2 Mixture Not applicable.

3.2 Additional Information

For full text of H/P phrases see section 16.

4. SECTION 4: FIRST AID MEASURES



4.1 Description of first aid measures

Inhalation

If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell.

Skin Contact

IF ON SKIN: Wash with plenty of soap and water. Take off contaminated clothing and wash before reuse. If skin irritation occurs: Get medical advice/attention.

Eye Contact

IF IN EYES: Rinse cautiously with water for several minutes.



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Ingestion	Remove contact lenses, if present and easy to do. Continue rinsing. If irritation develops and persists, get medical attention. IF SWALLOWED: Do NOT induce vomiting. Drink two glasses of water. Immediately call a POISON CENTER or doctor/physician.
4.2 Most important symptoms and effects, both acute and delayed	Headache, dizziness, nausea and vomiting.
4.3 Indication of any immediate medical attention and special treatment needed	IF exposed or concerned: Get medical advice/attention.

5. SECTION 5: FIRE-FIGHTING MEASURES

5.1 Extinguishing media	
Suitable Extinguishing Media	Extinguish preferably with foam, carbon dioxide or dry chemical.
Unsuitable Extinguishing Media	None anticipated.
5.2 Special hazards arising from the substance or mixture	May give off toxic fumes in a fire.
5.3 Advice for fire-fighters	Fire fighters should wear complete protective clothing including self-contained breathing apparatus. Chemical protection suit. Keep containers cool by spraying with water if exposed to fire. Evacuate if necessary.

6. SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures	Caution - spillages may be slippery. Shut off leaks if without risk. Ensure full personal protection (including respiratory protection) during removal of spillages. Avoid contact with skin and eyes.
6.2 Environmental precautions	Do not allow to enter drains, sewers or watercourses. Avoid release to the environment.
6.3 Methods and material for containment and cleaning up	Contain spillages with sand, earth or any suitable adsorbent material. Absorb spillage in inert material and shovel up. Transfer to a lidded container for disposal or recovery. Wash the spillage area with water.
6.4 Reference to other sections	See Also Section 8, 13.

7. SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling	Avoid contact with skin and eyes. Use personal protective equipment as required. See Section: 8. Wash hands thoroughly after handling. Do not eat, drink or smoke when using this product.
7.2 Conditions for safe storage, including any incompatibilities	Store in a cool/low-temperature, well-ventilated (dry) place. Keep only in original container. Keep containers properly sealed when not in use. Keep away from heat and direct sunlight. Use hard impervious surfaced areas.
Storage Temperature	Ambient.
Storage Life	Stable under normal conditions.
Incompatible materials	None known.
7.3 Specific end use(s)	Water repellency treatment.



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8. SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

8.1.1 Occupational exposure limits Not established.

8.1.2 Biological limit value Not established.

8.1.3 PNECs and DNELs Not established.

8.2 Exposure controls

8.2.1 Appropriate engineering controls Provide adequate ventilation to avoid build up of vapours.

8.2.2 Personal protection equipment Use personal protective equipment as required.

Eye/face protection



Wear protective eye glasses for protection against liquid splashes. Wear eye protection with side protection (EN166).

Skin protection (Hand protection/ Other)



The gloves type used must be chosen based on the work activity and duration as well as concentration/quantity of material being handled. Wear impervious gloves (EN374).

Respiratory protection



Normally no personal respiratory protection is necessary. In case of inadequate ventilation wear respiratory protection.

Thermal hazards

Not applicable.

8.2.3 Environmental Exposure Controls

Avoid release to the environment.

9. SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance	Liquid
Colour.	Colourless
Odour	Odourless
Odour threshold (ppm)	Not available.
pH (Value)	Not available.
Melting point (°C)	-3°C
Boiling Point (°C)	90°C at 4mm Hg
Flash point (°C)	113°C [Closed cup]
Evaporation rate	Not available.
Flammability	Not available.
Explosive limit ranges	Not applicable.
Vapour pressure (mmHg) @ 37.8°C	Not available.
Vapour density (Air=1)	Not available.
Density	1.643 g/cm³
Solubility (Water)	Not available.
Solubility (Other)	Not available.
Partition coefficient (n-Octanol/water)	Not available.
Auto ignition point (°C)	Not available.
Decomposition temperature (°C)	Not available.
Viscosity	Not available.
Explosive properties	Not explosive.
Oxidising properties	Not oxidising.



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9.2 Other information None.

10. SECTION 10: STABILITY AND REACTIVITY

10.1	Reactivity	Stable under normal conditions.
10.2	Chemical stability	Stable under normal conditions.
10.3	Possibility of hazardous reactions	May give off noxious and toxic fumes in a fire.
10.4	Conditions to avoid	Keep away from flames and hot surfaces. Protect from moisture.
10.5	Incompatible materials	Water, Acids, Strong oxidising agents.
10.6	Hazardous Decomposition Product(s)	Carbon monoxide, Carbon dioxide.

11. SECTION 11: TOXICOLOGICAL INFORMATION

11.1	Information on toxicological effects	
	Acute toxicity	
	Ingestion	May be harmful if swallowed and enters airways.
	Inhalation	STOT SE 3; May cause respiratory irritation.
	Skin Contact	Skin Irrit. 2 May be harmful in contact with skin.
	Eye Contact	Eye Irrit. 2, Causes eye irritation.
	skin corrosion/irritation	Not classified.
	Serious eye damage/irritation	Eye Irrit. 2, Causes eye irritation.
	respiratory or skin sensitization	It is not a skin sensitiser. STOT SE 3; May cause respiratory irritation.
	Germ cell mutagenicity	Not classified.
	Carcinogenicity	Not classified.
	Reproductive toxicity	Not classified.
	STOT - single exposure	STOT SE 3; May cause respiratory irritation.
	STOT - repeated exposure	Not classified.
	Aspiration hazard	Not classified.
11.2	Other information	None.

12. SECTION 12: ECOLOGICAL INFORMATION

12.1	Toxicity	No data.
12.2	Persistence and degradability	Not readily biodegradable.
12.3	Bioaccumulative potential	No data.
12.4	Mobility in soil	No data.
12.5	Results of PBT and vPvB assessment	Not classified as PBT or vPvB.
12.6	Other adverse effects	None known.

13. SECTION 13: DISPOSAL CONSIDERATIONS

13.1	Waste treatment methods	Disposal should be in accordance with local, state or national legislation. Recover or recycle if possible.
13.2	Additional Information	None.

14. SECTION 14: TRANSPORT INFORMATION

Not classified as dangerous for transport.

14.1	UN number	None assigned.
14.2	UN Proper Shipping Name	None assigned.
14.3	Transport hazard class(es)	None assigned.



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14.4	Packing Group	None assigned.
14.5	Environmental hazards	Not classified as a Marine Pollutant.
14.6	Special precautions for user	None assigned.
14.7	Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code	None assigned.
14.8	Additional information	None.

15. SECTION 15: REGULATORY INFORMATION

15.1	Safety, health and environmental regulations/legislation specific for the substance or mixture	
15.1.1	EU regulations	
	Authorisations and/or restrictions on use	None.
15.1.2	National regulations	None known.
15.2	Chemical Safety Assessment	Not available.

16. SECTION 16: OTHER INFORMATION

The following sections contain revisions or new statements: 1-16.

References: None (Self classification).

Classification of the substance or mixture According to Regulation (EC) No. 1272/2008 (CLP).	Classification Procedure
Skin Irrit. 2; H315	Self classification
Eye Irrit. 2; H319	Self classification
STOT SE 3; H335	Self classification

LEGEND

LTEL	Long Term Exposure Limit
STEL	Short Term Exposure Limit
DNEL	Derived No Effect Level
PNEL	Predicted No Effect Concentration
PBT	PBT: Persistent, Bioaccumulative and Toxic
vPvB	vPvT: very Persistent and very Toxic
Skin Irrit. 2	Causes skin irritation. Category 2
Eye Irrit. 2	Causes serious eye irritation. Category 2
STOT SE 3	Specific target organ toxicity — single exposure Category 3

Training advice: Consideration should be given to the work procedures involved and the potential extent of exposure as they may determine whether a higher level of protection is required.

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Annex to the extended Safety Data Sheet (eSDS)

No information available.