

ACCORDING TO EC-REGULATIONS 1907/2006 (REACH), 1272/2008 (CLP) & 2015/830

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

1.1 Product identifier

Product Name:	PAE.5 (Aerospace)
CAS No:	Not applicable.
EC No:	Not applicable.
REACH Registration No:	Not known.

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

Identified Use(s):	For the electrolytic chemical etching of metals
Uses Advised Against :	None.

1.3 Details of the supplier of the safety data sheet

Manufacturer	
Company Identification:	Pryor Marking Technology
Address of Manufacturer:	Global HQ: Egerton Street Sheffield UK
Postal code:	S1 4JX
Telephone:	+44 (0) 1142766044
Fax	+44 (0)1142766890
E-mail	info@pryormarking.com
Office hours	8:30-17:00

1.4 Emergency telephone number	+44 (0)1142766044 Monday to Thursday, 08:30 - 17:30 GMT (08:30 - 15:30 Friday), English
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SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

2.1.1 Classification according to Regulation (EC) No 1272/2008 (CLP)

Not classified

2.2 Label elements

According to Regulation (EC) No. 1272/2008 (CLP)

Product Name	PAE5 (Aerospace)
Hazard Pictogram(s)	None
Signal Word(s)	None
Hazard Statement(s)	None
Precautionary Statement(s)	None

2.3 Other hazards

None known.

2.4 Additional Information

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

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.2 Mixtures

HAZARDOUS INGREDIENT(S)	CAS No.	EC No. / REACH Registration No.	%W/W	Hazard Statement(s)	Hazard Pictogram(s)
Sodium nitrite	7632-00-0	231-555-9	1-5	Ox. Sol. 3 H272 Acute Tox. 3 H301 Aquatic Acute 1 H400	GHS03 GHS06 GHS09
Sodium nitrate	7631-99-4	231-554-3	0.1-1	Ox. Sol. 3 H272 Eye Irrit. 2 H319	GHS03 GHS07
EDTA Disodium Salt	139-33-3	205-358-3	<0.1	Acute Tox. 4 H332 STOT RE 2 H373	GHS07 GHS08
Nonylphenol, ethoxylated	9016-45-9	500-024-6	<0.1	Acute Tox. 4 H302 Skin Irrit. 2 H315 Eye Irrit. 2 H319 Aquatic Chronic 2 H411	GHS07 GHS09

For full text of H Statements see section 16.

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures

Inhalation	Remove to fresh air. Get medical attention if any discomfort continues.
Skin Contact	Flush with water. Seek medical attention if irritation persists.
Eye Contact	Immediately flush with water. Remove any contact lenses and open eyes wide apart. Get medical attention if any discomfort continues.
Ingestion	Do not induce vomiting. Seek medical attention if feeling unwell.

4.2 Most important symptoms and effects, both acute and delayed

None anticipated. Treat symptomatically.

4.3 Indication of any immediate medical attention and special treatment needed

Unlikely to be required but if necessary treat symptomatically.

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media

Suitable Extinguishing media	As appropriate for surrounding fire.
Unsuitable extinguishing media	None.

5.2 Special hazards arising from the substance or mixture

Heating may cause decomposition.

5.3 Advice for firefighters

Fire fighters should wear complete protective clothing including self-contained breathing apparatus. Dike fire control water for later disposal.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Provide adequate ventilation. Wear suitable gloves if prolonged skin contact is likely.

6.2 Environmental precautions

Spillages or uncontrolled discharges into watercourses must be alerted to the appropriate regulatory body.

6.3 Methods and material for containment and cleaning up

Adsorb spillages onto sand, earth or any suitable adsorbent material. Contain spillages with sand, earth or any suitable adsorbent material. Earth may be shovelled to contain spillage and to avoid contamination of sewers and watercourses.

6.4 Reference to other sections

See Also Section 8, 13.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling

Prevent material from entering surface waters, drains and soil.

7.2 Conditions for safe storage, including any incompatibilities

Storage temperature	Ambient.
Storage life	Stable under normal conditions.
Incompatible materials	None known.

7.3 Specific end use(s)

For the electrolytic chemical etching of metals

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

8.1.1 Occupational Exposure Limits

None assigned.

8.2 Exposure controls

8.2.1. Appropriate engineering controls

Ensure adequate ventilation.

8.2.2. Personal protection equipment



Eye Protection

Wear safety glasses with side protection (EN166) if contact with the eyes is likely



Skin protection

Gloves should be worn where repeated or prolonged contact can occur.



Respiratory protection

Normally no personal respiratory protection is necessary.

Thermal hazards

None known.

8.2.3. Environmental Exposure Controls

Do not release large quantities into the surface water or into drains.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance:	Liquid.
	Colour: Colourless.
Odour:	Not known.
Odour threshold:	Not known.
pH:	Not known.
Melting point/freezing point:	Not known.
Initial boiling point and boiling range:	Not known.
Flash Point:	Not known.
Evaporation rate:	Not known.
Flammability (solid, gas):	Not known.
Upper/lower flammability or explosive limits:	Not known.
Vapour pressure:	Not known.
Vapour density:	Not known.
Density (g/ml):	Not known.
Relative density:	Not known.
Solubility(ies):	Solubility (Water) : Soluble Solubility (Other) : Not known.
Partition coefficient: n-octanol/water:	Not known.
Auto-ignition temperature:	Not known.
Decomposition Temperature (°C):	Not known.
Viscosity:	Not known.
Explosive properties:	Not known.
Oxidising properties:	Not known.

9.2 Other information

None.

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity

None anticipated.

10.2 Chemical Stability

Stable under normal conditions.

10.3 Possibility of hazardous reactions

No hazardous reactions known if used for its intended purpose.

10.4 Conditions to avoid

None anticipated.

10.5 Incompatible materials

Not known.

10.6 Hazardous decomposition products

Oxides of nitrogen may be generated if the substance is involved in a fire.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute toxicity - Ingestion	Not classified.
	Calculated acute toxicity estimate (ATE) - 3232 mg/kg bw
Acute toxicity - Skin Contact	Not classified.
Acute toxicity - Inhalation	Not classified.
	Calculated acute toxicity estimate (ATE) 3793 mg/l
Skin corrosion/irritation	Not classified.
Serious eye damage/irritation	Not classified.
Skin sensitization data	Not classified.
Respiratory sensitization data	Not classified.
Germ cell mutagenicity	Not classified.
Carcinogenicity	Not classified.
Reproductive toxicity	Not classified.
Lactation	Not classified.
STOT - single exposure	Not classified.
STOT - repeated exposure	Not classified.
Aspiration hazard	Not classified.

11.2 Other information

Not known.

SECTION 12: ECOLOGICAL INFORMATION

12.1. Toxicity

Toxicity - Aquatic invertebrates	Not known.
Toxicity - Fish	Not known.
Toxicity - Algae	Not known.
Toxicity - Sediment Compartment	Not classified.
Toxicity - Terrestrial Compartment	Not classified.

12.2. Persistence and Degradation

Not known.

12.3. Bioaccumulative potential

Not known.

12.4. Mobility in soil

Not known.

12.5. Results of PBT and vPvB assessment

Not known.

12.6 Other adverse effects

Not known.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Dispose of contents in accordance with local, state or national legislation.

13.2 Additional Information

Disposal should be in accordance with local, state or national legislation.

SECTION 14: TRANSPORT INFORMATION

Not classified as dangerous for transport.

SECTION 15: REGULATORY INFORMATION

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

Candidate List of Substances of Very High Concern for Authorisation	Not listed
REACH: ANNEX XIV list of substances subject to authorisation	Not listed
REACH: Annex XVII Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles	Not listed
Community Rolling Action Plan (CoRAP)	Not listed
Regulation (EC) N° 850/2004 of the European Parliament and of the Council on persistent organic pollutants	Not listed
Regulation (EC) N° 2037/2000 on substances that deplete the ozone layer	Not listed
Regulation (EU) N° 649/2012 of the European Parliament and of the Council concerning the export and import of hazardous chemicals	Nonylphenol ethoxylates (C ₂ H ₄ O) _n C ₁₅ H ₂₄ O (9016-45-9)
National regulations - Other	Not known.

15.2 Chemical Safety Assessment

A REACH chemical safety assessment has not been carried out.

SECTION 16: OTHER INFORMATION

Hazard Statement(s):

H272: May intensify fire; oxidiser
H301: Toxic if swallowed
H302: Harmful if swallowed
H315: Causes skin irritation
H319: Causes serious eye irritation
H332: Harmful if inhaled
H373: May cause damage to organs through prolonged or repeated exposure
H400: Very toxic to aquatic life
H411: Toxic to aquatic life with long lasting effects.

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