

## Vega

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

#### 1.1 - Product identifier

Trade name/designation Vega

Chemical name

Product-type Mixture

Product code 61800

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

Relevant identified uses

- PC35: Washing and cleaning products  
(including solvent based products).

#### 1.3 - Details of the supplier of the safety data sheet

Super Formula

Millers Close

NR21 8NW Fakenham United Kingdom

Telephone : +44 1328 851407

Website <https://superformula.co.uk/>

+4423128 851407 sales@superformula.com

#### 1.4 - Emergency telephone number

01328 851407 (Office Hours Only)

United Kingdom: NHS Direct: 111

### SECTION 2: Hazards identification

#### 2.1 - Classification of the substance or mixture

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

Acute Tox. 4 Inhalation	Acute toxicity (inhalative) - Category 4
Skin Corr. 1	Skin corrosion, Category 1
Eye Dam. 1	Serious eye damage, Category 1

#### 2.2 - Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Contains: phosphoric acid ... %, orthophosphoric acid ... % (CAS No.: 7664-38-2) | nitric acid ...% [C > 70 %]  
(CAS No.: 7697-37-2)

Signal word : Danger

Hazard pictograms



Hazard statements

H314	Causes severe skin burns and eye damage
H332	Harmful if inhaled

Precautionary statements



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P260	Do not breathe fume/gas/mist/vapours/spray.
P261	Avoid breathing fume/gas/mist/vapours/spray.
P264	Wash hands thoroughly after handling.
P271	Use only outdoors or in a well-ventilated area.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P301+P330+P331	IF SWALLOWED: rinse mouth. Do NOT induce vomiting.
P303+P361+P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].
P304+P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310	Immediately call a POISON CENTER/a doctor.
P312	Call a a POISON CENTER/a doctor if you feel unwell.
P363	Wash contaminated clothing before reuse.
P405	Store locked up.
P501	Dispose of contents/container to an appropriate recycling or disposal facility in accordance with local/regional/national regulation.

EUH-phrases : None

### 2.3 - Other hazards

PBT-substance. - This substance does not meet the PBT/vPvB criteria of REACH, Annex XIII.

## SECTION 3: Composition / information on ingredients

### 3.1 - Substances

Not applicable

### 3.2 - Mixtures

Chemical name	No	%	Class(es)	Specific concentration limit
phosphoric acid ... %, orthophosphoric acid ... %	CAS No. : 7664-38-2 Index No. : 015-011-00-6 EC No. : 231-633-2	15 - 30	Skin Corr. 1B - H314	Skin Corr. 1B - H314 : 25>=%<=100 Skin Irrit. 2 - H315 : 10>=%<25 Eye Irrit. 2 - H319 : 10>=%<25
nitric acid ...% [C > 70 %]	CAS No. : 7697-37-2 Index No. : 007-004-00-1 EC No. : 231-714-2	< 5	Acute Tox. 1 Inhalation - H330 Ox. Liq. 2 - H272 Skin Corr. 1A - H314	Ox. Liq. 2 - H272 : 99>=%<=100 Ox. Liq. 3 - H272 : 70>=%<99

## SECTION 4: First aid measures

### 4.1 - Description of first aid measures

#### Following inhalation

- Provide fresh air.
- After inhaling vapours, first symptoms of poisoning may develop hours later, so always consult a doctor.
- When in doubt or if symptoms are observed, get medical advice.
- Medical examination necessary even merely on suspicion of intoxication.



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	<ul style="list-style-type: none"><li>- Symptoms may develop several hours following exposure; medical observation therefore necessary for at least 48 hours.</li></ul>
<u>Following skin contact</u>	<ul style="list-style-type: none"><li>- Wash immediately with: Water</li><li>- When in doubt or if symptoms are observed, get medical advice.</li></ul>
<u>After eye contact</u>	<ul style="list-style-type: none"><li>- In case of contact with eyes flush immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart and consult an ophthalmologist.</li></ul>
<u>After ingestion</u>	<ul style="list-style-type: none"><li>- Rinse mouth thoroughly with water.</li><li>- Do NOT induce vomiting.</li></ul>

### 4.2 - Most important symptoms and effects, both acute and delayed

<u>Symptoms and effects - Following inhalation</u>	<ul style="list-style-type: none"><li>- Symptoms can occur only after several hours.</li><li>- There may be shortness of breath and irritation of the throat and chest.</li><li>- Vapours may cause drowsiness and dizziness.</li></ul>
<u>Symptoms and effects - Following skin contact</u>	<ul style="list-style-type: none"><li>- Causes severe skin burns</li></ul>
<u>Symptoms and effects - After eye contact</u>	<ul style="list-style-type: none"><li>- Serious eye damage/eye irritation</li></ul>
<u>Symptoms and effects - After ingestion</u>	<ul style="list-style-type: none"><li>- If swallowed danger of perforation of the esophagus and the stomach (strong corrosive effects).</li><li>- There may be soreness and redness of the mouth and throat. Nausea and stomach pain may occur.</li></ul>

### 4.3 - Indication of any immediate medical attention and special treatment needed

- Treat symptomatically. Antidotal dispensation.
- Eye bathing equipment should be available on site.

## SECTION 5: Firefighting measures

### 5.1 - Extinguishing media

<u>Suitable extinguishing media</u>	<ul style="list-style-type: none"><li>- ABC-powder</li><li>- Carbon dioxide (CO<sub>2</sub>)</li><li>- Foam</li><li>- Extinguishing powder</li></ul>
<u>Unsuitable extinguishing media</u>	<ul style="list-style-type: none"><li>- Full water jet</li></ul>

### 5.2 - Special hazards arising from the substance or mixture

<u>Special hazards arising from the substance or mixture</u>	<ul style="list-style-type: none"><li>- Hazardous combustion products</li></ul>
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### 5.3 - Advice for firefighters

- Remove product from area of fire.
- Wear a self-contained breathing apparatus and chemical protective clothing.
- Do not allow run-off from fire-fighting to enter drains or water courses.

## SECTION 6: Accidental release measures



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### 6.1 - Personal precautions, protective equipment and emergency procedures

#### For non-emergency personnel

- Use personal protection equipment.
- Remove persons to safety.
- Wear breathing apparatus if exposed to vapours/dusts/aerosols.
- If outside, keep bystanders upwind and away from danger point.
- Mark out the contaminated area with signs and prevent access to unauthorised access.

#### For emergency responders

- Wear breathing apparatus if exposed to vapours/dusts/aerosols.

### 6.2 - Environmental precautions

- Contain the spillage using bunding.
- Do not allow large spills to enter into surface water or drains.
- Ensure waste is collected and contained.

### 6.3 - Methods and material for containment and cleaning up

#### Methods and material for containment

- Soak up inert absorbent and dispose as waste requiring special attention.
- Clean-up should be dealt with only by qualified personnel familiar with the specific substance.
- Clear spills immediately.

#### Methods and material for cleaning up

- Absorb with liquid-binding material (sand, diatomaceous earth, acid- or universal binding agents).
- Take up mechanically, placing in appropriate containers for disposal.
- Clear contaminated areas thoroughly.
- Ventilate affected area.

#### Inappropriate techniques

- No information available.

### 6.4 - Reference to other sections

- Personal protection equipment: see section 8

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## SECTION 7: Handling and storage

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### 7.1 - Precautions for safe handling

#### Recommendation

- Avoid: Eye contact
- It is recommended to design all work processes always so that the following is excluded: Eye contact
- After use replace the closing cap immediately.
- Vapours/aerosols must be exhausted directly at the point of origin.
- All work processes must always be designed so that the following is excluded: generation/formation of aerosols
- All work processes must always be designed so that the following is excluded: Inhalation
- See section 8.

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### Advices on general occupational hygiene

- When using do not eat, drink, smoke, sniff.
- Wash hands before breaks and after work.
- Work in well-ventilated zones or use proper respiratory protection.

### 7.2 - Conditions for safe storage, including any incompatibilities

- Storage class Non-combustible substances of acute toxicity, category 3 / hazardous substances that are toxic or produce chronic effects
- Ensure adequate ventilation of the storage area.
- Keep container tightly closed in a cool, well-ventilated place.
- Only use containers specifically approved for the substance/product.

### 7.3 - Specific end use(s)

## SECTION 8: Exposure controls/personal protection

### 8.1 - Control parameters

### 8.2 - Exposure controls

#### Appropriate engineering controls

- Ensure there is sufficient ventilation

#### Individual protection measures, such as personal protective equipment

- Eye protection



- Protective Clothing
- Protective gloves



#### Environmental exposure controls

- Do not get in eyes, on skin, or on clothing.
- Prevent undiluted product from reaching surface water.

## SECTION 9: Physical and chemical properties

### 9.1 - Information on basic physical and chemical properties

<u>Physical state</u>	Liquid	<u>Appearance</u>	Liquid
<u>Colour</u>	colourless	<u>Odour</u>	odourless
Odour threshold		No data available	
pH		0.3	
Melting point		No data available	
Freezing point		No data available	
Boiling point		No data available	
Flash point		No data available	
Evaporation rate		No data available	
flammability		No data available	
Lower explosion limit		No data available	



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Upper explosion limit	No data available
Vapour pressure	No data available
Vapour density	No data available
Relative density	No data available
Density	No data available
Solubility (Water)	Soluble in water.
Solubility (Ethanol)	No data available
Solubility (Acetone)	No data available
Solubility (Organic solvents)	No data available
Log KOC	No data available
Auto-ignition temperature	No data available
Decomposition temperature	No data available
Kinematic viscosity	No data available
Dynamic viscosity	Non-viscous

### Particle characteristics

Particle size	No data available
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## 9.2 - Other information

VOC content	No data available
Minimum ignition energy	No data available
Conductivity	No data available

## SECTION 10: Stability and reactivity

### 10.1 - Reactivity

- This material is considered to be non-reactive under normal use conditions.

### 10.2 - Chemical stability

- The product is chemically stable under recommended conditions of storage, use and temperature.

### 10.3 - Possibility of hazardous reactions

- No hazardous reaction when handled and stored according to provisions.

### 10.4 - Conditions to avoid

- Avoid direct sunlight.
- Avoid excessive heat for prolonged periods of time.

### 10.5 - Incompatible materials

- Strong Acids and Oxidising Agents

### 10.6 - Hazardous decomposition products

- Does not decompose when used for intended uses.

## SECTION 11: Toxicological information

### 11.1 - Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity - Acute toxicity (inhalative) - Category 4 - Harmful if inhaled



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### Toxicity : Mixture

LD50 oral (rat)	No data available
LD50 dermal (rat)	No data available
LD50 dermal (rabbit)	No data available
LC50 inhalation (rat)	No data available
LC50 inhalation dusts and mists (rat)	No data available
LC50 inhalation vapours (rat)	No data available

- Harmful by inhalation.
- Toxic by inhalation.

Skin corrosion/irritation - Skin corrosion, Category 1 - Causes severe skin burns and eye damage

Serious eye damage/eye irritation - Serious eye damage, Category 1

- Risk of serious damage to eyes.
- Causes serious eye irritation.

Respiratory or skin sensitisation - Not classified

Germ cell mutagenicity - Not classified

Carcinogenicity - Not classified

Reproductive toxicity - Not classified

STOT-single exposure - Not classified

STOT-repeated exposure - Not classified

Aspiration hazard - Not classified

### 11.2 - Information on other hazards

## SECTION 12: Ecological information

### 12.1 - Toxicity

#### Toxicity : Mixture

EC50 48 hr crustacea	No data available
LC50 96 hr fish	No data available
ErC50 algae	No data available
ErC50 other aquatic plants	No data available
NOEC chronic fish	No data available
NOEC chronic crustacea	No data available
NOEC chronic algae	No data available
NOEC chronic other aquatic plants	No data available

- The substance/mixture does not fulfill the criteria of the acute aquatic toxicity according to Regulation (EC) No 1272/2008 [CLP], Annex I.

### 12.2 - Persistence and degradability

Biochemical oxygen demand (BOD)	No data available
Chemical oxygen demand (COD)	No data available



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% of biodegradation in 28 days	No data available
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- No information available.

### 12.3 - Bioaccumulative potential

Bioconcentration factor (BCF)	No data available
Log KOC	No data available

- No indication of bioaccumulation potential.

### 12.4 - Mobility in soil

- No information available.

### 12.5 - Results of PBT and vPvB assessment

- This substance does not meet the PBT/vPvB criteria of REACH, Annex XIII.

### 12.6 - Endocrine disrupting properties

### 12.7 - Other adverse effects

- No information available.

## SECTION 13: Disposal considerations

### 13.1 - Waste treatment methods

Waste treatment methods - Waste disposal according to directive 2008/98/EC, covering waste and dangerous waste.  
- Handle contaminated packages in the same way as the substance itself.

Sewage disposal - No information available.

Special precautions for waste treatment - Waste requires special monitoring.  
- Collect the waste separately.  
- Send to a hazardous waste incinerator facility under observation of official regulations.  
- Waste requires monitoring.  
- The waste is to be kept separate from other types of waste until its disposal.

Community or national or regional provisions - No information available.

## SECTION 14: Transport information

### 14.1 - UN number or ID number

UN number (ADR) : UN1760  
UN number (RID) : Not applicable  
UN number (ADN) : Not applicable  
UN number (IMDG) : Not applicable  
UN number (IATA) : Not applicable

### 14.2 - UN proper shipping name



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UN proper shipping name (ADR) : CORROSIVE LIQUID, N.O.S.

### 14.3 - Transport hazard class(es)

ADR Transport hazard class(es) : 8  
ADR Classification code: : C9  
Pictograms



Pictograms

### 14.4 - Packing group

Packing group : III

### 14.5 - Environmental hazards

Environmental hazards : No  
Marine pollutant : No

### 14.6 - Special precautions for user

#### ADR

ADR Classification code: : C9  
ADR Special provisions : 274  
ADR Limited quantity (LQ) : 5L  
ADR Excepted quantities : E1  
ADR Packing instructions : P001 IBC03 LP01 R001  
ADR Special packing provisions :  
ADR Mixed packing provisions : MP19  
Instructions for portable tanks and bulk containers : T7  
Special provisions for portable tanks and bulk containers : TP1 TP28  
ADR tank code : L4BN  
ADR tanks special provisions :  
Vehicle for tank carriage : AT  
ADR Transport category : 3  
ADR Tunnel restriction code : E  
ADR Special provisions loading, unloading and handling :  
Special provisions - Packages : V12  
Special provisions - Bulk :  
Special provisions - Operation :  
ADR Hazard identification number (Kemler No.) : 80

### 14.7 - Maritime transport in bulk according to IMO instruments

## SECTION 15: Regulatory information

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



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Substances REACH candidates None

Substances Annex XIV None

Substances Annex XVII None

VOC content No data available

### 15.2 - Chemical Safety Assessment

Chemical safety assessment carried out for the product - No information available.

## SECTION 16: Other information

### SDS versions

Version	Issue date	Author	Description of the amendments
1	26/09/2022		

### Texts of the regulatory sentences

Acute Tox. 1 Inhalation	Acute toxicity (inhalative) - Category 1
Acute Tox. 4 Inhalation	Acute toxicity (inhalative) - Category 4
Eye Dam. 1	Serious eye damage, Category 1
H272	May intensify fire; oxidiser
H314	Causes severe skin burns and eye damage
H330	Fatal if inhaled
H332	Harmful if inhaled
Ox. Liq. 2	Oxidising liquids - Category 2
Ox. Liq. 3	Oxidising liquids - Category 3
Skin Corr. 1	Skin corrosion, Category 1
Skin Corr. 1A	Skin corrosion, Category 1A
Skin Corr. 1B	Skin corrosion, Category 1B

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