

## 1. Identification of the substance/preparation and of the company/undertaking

**1.1 Product Identifier** Vanodine Footbath Solution

**1.2 Relevant Identified uses of the substance or mixture and uses advised against**

Uses: Disinfectant

Restrictions: At this time we do not have information on use restrictions

**1.3 Details of the supplier of the safety data sheet**

Company: Complete Pool Controls Ltd  
Unit 2, The Park  
Stoke Orchard  
Bishops Cleeve  
Gloucestershire  
GL52 7RS

Telephone: +44 (0) 8712 229081

Fax: +44 (0) 8712 229083

E-mail: [sales@cpc-chemicals.co.uk](mailto:sales@cpc-chemicals.co.uk)

**1.4 Emergency Telephone**

Tel: +44 (0) 8712 229081 (office hours) +44 (0) 1242 300271 (outside of office hours)

## 2. Hazard Identification

**2.1 Classification of the substance or mixture**

**Classification according to Regulation (EC) No 1272/2008**

Hazard Class	Hazard Category	Target Organs	Hazard Statements
Skin Irrit	Category 1		H314

For the full text of the H statements mentioned in this section see Section 16.

**Classification according to EU Directives 67/548/EEC or 1999/45/EC**

Hazard Symbol/Category of danger	Risk phrases
Irritant (Xi)	R36/38

For the full text of the R phrases mentioned in this section see Section 16.

**Most important adverse effects**

Human Health: See section 11 for toxicological information

Physical & Chemical Hazards: See section 9 for physicochemical information

Potential environmental effects: See section 12 for environmental information

**2.2 Label elements**

**Labelling according to Regulation (EC) No 1272/2008**

Hazard symbols:



Signal word: Warning

Hazard statements: H315 Causes skin irritation

H320 Causes eye irritation

Prevention

P264: Wash thoroughly after handling

P273: Avoid release to the environment

P280: Wear protective gloves/protective clothing/eye protection/face protection

Response

P301+330+331: IF SWALLOWED: Rinse mouth. Do NOT induce vomiting

P301+310: IF SWALLOWED: Immediately call a POISON CENTRE or doctor/physician

P303+361+353: IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water

P363: Wash contaminated clothing before reuse

**Hazardous components which must be listed on the label**

iodine and phosphoric acid

**2.3 Other Hazards**

No other information is available

Trade Name: Vanodine Footbath Solution

### 3. Composition/information on ingredients

#### 3.1 Substances

Chemical nature: Liquid  
Mixture of substances listed below with nonhazardous additions

Chemical Name			CAS No:	EINECS	Amount %
Iodine	Xn		7553-56-2	231-633-2	1 - 2%
Phosphoric Acid	Xn		7664-38-2		1 - 2%
Non-ionic Surfactants	C				5 - 15%
Non-ionic Surfactants	Xi				10 - 20%

### 4. First Aid measures

#### 4.1 Description of first aid measures

General Advice: Take off all contaminated clothing immediately.

If Inhaled: In case of accident by inhalation; remove casualty to fresh air. Consult a doctor.

In case of skin contact: Wash off immediately with plenty of soap & water. If irritation appears seek medical advice

In case of eye contact: Rinse immediately with plenty of water, also under eyelids for at least 15 minutes. Remove contact lenses. Consult a doctor

If swallowed: Clean mouth with water and drink plenty of water. DO NOT INDUCE VOMITING. Consult a doctor.

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

Symptoms: No further information available.  
Effects: No further information available.

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

Treatment Treat symptomatically

### 5. Fire fighting measures

#### 5.1 Extinguishing media:

Suitable extinguishing media: Suitable extinguishing media for the surrounding fire should be used.  
Unsuitable extinguishing media: No information available

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

Specific Hazards during fire: During heating or in case of fire noxious fumes may be produced.

#### 5.3 Advice for fire-fighters

Special protective equipment: In the event of fire, wear self-contained breathing apparatus.  
Wear appropriate body protection (full protective suit).

Further Information: Do not inhale explosion gases or combustion gases  
Use water spray to cool containers

**6. Accidental release Measures**

**6.1 Personal precautions, protective equipment and emergency procedures**

Personal Precautions: Use personal protective equipment. Keep people away from and upwind of spill/leak. Provide adequate ventilation. Avoid contact with skin and eyes. Do not breathe vapours. For personal protection see Section 8.

**6.2 Environmental precautions**

Do not discharge into drains or rivers. Spillages into water courses must be alerted to the National River Authority

**6.3 Methods and materials for containment and cleaning up**

Methods and materials for containment and cleaning up: Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders) Keep in suitable closed containers for disposal.

**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**

Advice on safe handling: Ensure adequate ventilation. Use personal protective equipment. Avoid contact with skin and eyes. Emergency eye wash fountains and emergency showers should be available in the immediate vicinity. Do not mix with other products in their concentrated form.

Hygiene measures: Keep away from food, drink and animal feeding stuffs. Smoking, eating and drinking should be prohibited in the application area. Wash hands before breaks and at the end of the work day. Take off all contaminated clothing immediately. Provide adequate ventilation. Avoid contact with the skin and eyes.

**7.2 Conditions for safe storage, including any incompatibilities.**

Requirements for storage areas and containers: Prevent any seepage into the ground

Advice on protection against fire and explosion: No special measures required

Further information: Store in cool, dry conditions in well sealed receptacles

Advice on common storage: Keep away from food, drink and animal feedstuffs. Store away from metals. Store away from oxidising agents

Storage Temperature: No further information available

**7.3 Specific end uses**

Specific use(s) No information available

**8. Exposure control/personal protection**

**8.1 Control parameters**

Regulatory Basis: EU. Indicative Exposure and Directives relating to the protection of risks related to work exposure to chemical, physical, and biological agents.

	LTEL 8hr TWA		STEL (15mins)	
	ppm	mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>
Iodine	-	-	0.1	1
Phosphoric Acid	-	1	-	3

**8. Exposure control/personal protection****8.2 Exposure controls****Engineering measures**

Refer to protective measures listed in sections 7 and 8

**Personal protective equipment**

Respiratory protection Advice: Self contained breathing apparatus must be available in case of emergency

Hand protection

Advice: Gloves

Material: No information available

Eye protection Advice: Tightly fitting safety goggles

Skin protection Advice: Protective clothing

**Environmental exposure controls**

General advice: Do not flush into surface water or sanitary sewer systems

**9. Physical and chemical properties****9.1 Information on basic physical and chemical properties**

Form: Liquid

Colour: Dark Brown

Odour: Faint Iodine

Odour Threshold: Currently we do not have any information from our supplier about this.

pH @ 20°C: 1

Melting Point -2°C

Boiling point: 102°C

Flash point: N/A

Evaporation rate: Currently we do not have any information from our supplier about this.

Flammability (solid, gas) Currently we do not have any information from our supplier about this.

Vapour pressure: Currently we do not have any information from our supplier about this.

Relative vapour density: Currently we do not have any information from our supplier about this.

Density @ 20°C: 1.10 g/cm<sup>3</sup>

Water solubility: Fully miscible

Partition coefficient:n-octanol/water: Currently we do not have any information from our supplier about this.

Ignition temperature: Currently we do not have any information from our supplier about this.

Thermal decomposition: Currently we do not have any information from our supplier about this.

Viscosity, kinematic: Currently we do not have any information from our supplier about this.

Explosive properties: Currently we do not have any information from our supplier about this.

Oxidising properties: Product is not an oxidiser

**9.2 Other Information**

No further information available

**10. Stability and reactivity****10.1 Reactivity**

No information available

**10.2 Chemical stability**

No decomposition if stored and applied as directed

**10.3 Possibility of hazardous reactions**

No dangerous reactions known

**10.4 Conditions to avoid**

Do not store above 40°C

**10.5 Incompatible materials**

Strong oxidising agents

**10.6 Hazardous decomposition products**

Iodine vapour may be evolved.

### 11. Toxicological Information

#### 11.1 Information on toxicological effects

**Primary irritant effect:**

**on the skin:** Severely irritating to eyes

**on the eye:** Irritant to skin and mucous membranes

**Sensitization:** No further information available

**Carcinogenic** No further information available

**Mutagenic** No further information available

**Further Information:**

**Ingestion:** Low oral toxicity, but ingestion may cause irritation of the gastro-intestinal tract.

**Inhalation:** Not hazardous under conditions of good ventilation.

### 12. Ecological Information

**12.1 Toxicity** Harmful to fish and other aquatic life.

#### 12.2 Persistence and degradability

**Persistence** No further information available

**Degradability** This product, at use dilutions, is readily broken down by biological sewage plants.

**12.3 Bioaccumulative potential** Completely water soluble; bioaccumulation is unlikely.

**12.4 Mobility in soil** Surfactants or iodine will not build up in sediment or sewage sludge.

**12.5 Results of PBT and PvB** No further information available

#### 12.6 Other adverse effects

Effect on effluent treatment: At levels found in effluent, will have no adverse effects on biological treatment plants.

### 13. Disposal Considerations

#### 13.1 Waste treatment methods

**Product:** Disposal together with normal waste is not allowed. Special disposal required according to local regulations. Do not let product enter drains. Contact waste

**Contaminated packaging:** Empty contaminated packaging's thoroughly. They can be recycled after thorough and proper cleaning. Packagings that cannot be cleaned are to be disposed of in the same manner as the product.

**European Waste Catalogue No:** No waste code according to the European Waste Catalogue can be assigned for this product, as the intended use dictates the assignment. The waste code is established in consultation with the regional waste disposer.

Trade Name: Vanodine Footbath Solution

#### 14. Transport Information

<b>14.1 UN Number</b>	1760
<b>14.2 UN proper shipping name</b>	CORROSIVE LIQUID, N.O.S. (contains Phosphoric acid)
<b>14.3 Transport hazard class(es)</b>	
Class	8
Classification Code	C9
Hazard label	80
Transport Category	3
Tunnel Code	E
Special Marking	Symbol (fish and tree)
<b>14.4 Packaging Group</b>	III
<b>14.5 Environmental hazards</b>	
Environmentally Hazardous	Yes
Marine Pollutant	Yes
<b>14.6 Special precautions for user</b>	No further information available
<b>14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code</b>	No further information available

#### 15. Regulatory information

- 15.1 Safety, health and environmental regulations/legislation specific for this substance or mixture.**
- 15.2 Chemical Safety Assessment**
- No further information available

#### 16. Other information

Full text of R-phrases referred to under sections 2 and 3  
R36/38 Irritating to eyes and skin

Full text of H-statements referred to under sections 2 and 3  
H315 Causes skin irritation  
H320 Causes eye irritation

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16. Other information

• Abbreviations and acronyms:

- ADR: Accord europeen sur le transport des marchandises dangereuse par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
- RID: Reglement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations concerning the International Carriage of Dangerous Goods by Road)
- IMDG: International Maritime Code for Dangerous Goods
- IATA: International Air Transport Association
- IATA-DGR Dangerous goods Regulations by the 'International Air Transport Association' (IATA)
- ICAO: International Civil Aviation Organization
- GHS: Globally Harmonized System of Classification and Labelling of Chemicals
- EINECS European Inventory of Existing Commercial Chemical Substances.
- CAS: Chemicals Abstracts Service (division of the Americal Chemical Society)
- LC50: Lethal concentration, 50 percent
- LD50: Lethal dose, 50 percent

Revision	Date	By	Amendment
1	15/04/10	Linda Brueford	Created
2	28/11/11	Linda Brueford	Updated to 2011 European requirements and other minor editorial amendments