

**Section 1. Identification****1.1 Product Identifier** 3330

Product Name	PHENYLAMMONIUM CHLORIDE
CAS Number	142-04-1
REACH Registration No	A registration number is not available as the substance or its uses are exempt, the annual tonnage does not require a registration or the registration is envisaged for a later date.
Molecular Formula	$C_6H_9ClN = 129.59$

**1.2 Relevant identified uses of the substance or mixture & uses advised against**

Uses of Material	Chemical for industrial and laboratory use. Not suitable for domestic use.
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**1.3 Supplier** Vickers Laboratories Ltd

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Phone	44 0113 2362811
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**1.4 Emergency Telephone** (08:00-16:30) +44(0) 113 2362811  
(24hr) 112  
(Have this document to hand)**Section 2. Hazards Identification****2.1 Classification of the substance or mixture****Classification according to regulation 1272/2008/EC**

Acute toxicity, category 3 (oral)	H301: Toxic if swallowed.
Acute toxicity, category 3 (dermal)	H311: Toxic in contact with skin.
Acute toxicity, category 3 (inhalation)	H331: Toxic if inhaled.
Serious eye damage/irritation, category 1	H318: Causes serious eye damage.
Skin sensitization, category 1	H317: May cause an allergic skin reaction.
Germ cell mutagenicity, category 2	H341: Suspected of causing genetic defects.
Carcinogenicity, category 2	H351: Suspected of causing cancer.
Spec target organ tox - repeat, category 1	H372: Causes damage to organs through prolonged or repeated exposure.
Hazard to aquatic environment, category 1	H400: Very toxic to aquatic life.

**2.2 Label elements****Labelling according to regulation 1272/2008/EC**

Signal word	Danger
Hazard Pictograms	



**Hazard Statements** Toxic if swallowed, inhaled and in contact with skin. Suspected of causing cancer. Suspected of causing genetic defects. May cause an allergic skin reaction. Causes serious eye damage. May cause damage to organs though prolonged or repeated exposure. Very toxic to aquatic life.

**Precautionary Statements** Wear protective gloves / protective clothing / eye protection. Avoid breathing dust. Do not eat, drink or smoke when using this product. **IF SWALLOWED:** Immediately call a POISON CENTER or doctor/physician. **IF ON SKIN:** Wash with plenty of soap and water. **IF IN EYES:** Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do and continue rinsing.

## Section 3. Composition

### 3.1 Substances

Component	CAS No.	EEC No.	REACH No.	Conc w/w	CLP Classification (1272/2008/CE)
Phenylamine Hydrochloride	142-04-1	205-519-8		>97%	Acute Tox. 3 (O), Acute Tox. 3 (D), Acute Tox. 3 (I), Eye Dam. 1, Skin Sens. 1, Muta. 2, Carc. 2, STOT RE 1, Aquatic Acute 1

## Section 4. First Aid

### 4.1 Description of first aid measures

Eyes	Irrigate thoroughly with plenty of water for at least 10 minutes, holding the eye open. If discomfort persists OBTAIN MEDICAL ATTENTION.
Skin	Wash off skin thoroughly with water.
Inhalation	Remove from exposure. If breathing is difficult, give oxygen.
Ingestion	Wash out the patients mouth thoroughly with water. In severe cases or if exposure has been great, OBTAIN MEDICAL ATTENTION.
Personal protection for first aiders	Wear protective gloves / eye protection.

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

No further relevant information available.

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

No further relevant information available.

## Section 5. Fire Fighting

### 5.1 Extinguishing media

Extinguishing Media	Water spray, foam, dry powder or carbon dioxide.
Unsuitable Media	Nothing specified.

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

Hazards	May evolve toxic fumes if involved in a fire.
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### 5.3 Advice for firefighters

Advice for firefighters	Consider all other materials in the vicinity.
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## Section 6. Accidental Release Measures

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

Personal Protection Avoid breathing dust-wear respiratory protective equipment. Do not allow other people to enter area. Do not allow general use of area until it is safe to do so.

## 6.2 Environmental precautions

Environmental Do not discharge into drains or rivers.

## 6.3 Methods and material for containment and cleaning up

Major Spillage Sweep up, place in a bag and hold for waste disposal. Ventilate area and wash spill site after material pickup is complete.

Minor Spillage Sweep up, place in a bag and hold for waste disposal. Ventilate area and wash spill site after material pickup is complete.

## 6.4 Reference to other sections

See section 8.2 for information on protective equipment and section 13 for information on disposal.

# Section 7. Storage & Handling

## 7.1 Precautions for safe handling

Avoid contact with skin and eyes. Do not breath dust. Do not allow to contaminate clothing.

Ensure Local Exhaust Ventilation maintains dust concentrations below the recommended limits.

## 7.2 Conditions for safe storage, including any incompatibilities

Store in a cool dark place.

## 7.3 Specific end use(s)

See section 1.2.

# Section 8. Workplace Exposure & Personal Protection

## 8.1 Control parameters

Component	CAS No	Concentration	Workplace Exposure Limits	
			Long Term (8hr TWA)	Short Term 15min period
Phenylamine Hydrochloride	142-04-1	>97%	-	-

Exposure data source(s) No occupational exposure data currently available.

## 8.2 Exposure controls

Respiratory Protection Wear NIOSH/MSHA-approved respirator.

Hand Protection Wear gloves.

Eye Protection Use tightly fitting chemical splash proof glasses or goggles.

Skin Protection Avoid contact with skin. If skin contact or contamination of clothing is likely, protective clothing must be worn.

Special Hazards No special precautions required.

# Section 9. Physical & Chemical Properties

## 9.1 Information on basic physical and chemical properties

Appearance Green deliquescent crystals or crystalline powder.  
Odour Slight ammoniacal odour.  
pH Not applicable  
Boiling Point Not available  
Melting Point Not applicable  
Flash Point Not applicable  
Upper Flammable Limit Not applicable  
Lower Flammable Limit Not applicable  
Auto Ignition Not applicable

Explosive Properties	No.
Oxidising Properties	No.
Vapour Pressure	Not applicable
Relative Density	1.5274
Water Solubility	23%

## 9.2 Other information

No data available.

## Section 10. Stability & Reactivity

10.1	Reactivity	No data available.
10.2	Chemical Stability	Stable under normal conditions
10.3	Possibility of hazardous reactions	No data available.
10.4	Conditions to Avoid	Exposure to light.
10.5	Incompatible Materials	Strong oxidising agents.
10.6	Hazardous Decomposition Products	In combustion emits toxic fumes of carbon monoxide, carbon dioxide, hydrogen chloride gas, and nitrogen oxides.

## Section 11. Toxicological Information

### 11.1 Information on toxicological effects

Eyes	The vapour is irritating to the eyes. Causes serious eye damage.
Skin	Contact with the solid or dust will be irritating to the skin. May be fatal if absorbed through skin. Absorption leads to the formation of methemoglobin which causes cyanosis.
LD50 Skin	Not available
Ingestion	May be fatal if swallowed.
LD50 Oral	840mg/kg Rat
Inhalation	May be fatal if inhaled. Symptoms of exposure may include burning sensation, coughing, wheezing, shortness of breath, nausea, & vomiting.
LD50 Inhalation	Not available
TCLo	Not available
Carcinogenicity	Possible Carcinogen.
Mutagenicity	A mutagen.
Reproductive Effects	Not specified.

## Section 12. Ecological

12.1	Toxicity	Not specified.
	LC50 Algal	Not available
	LC50 Crustacea	Not available
	LC50 Fish	Not available
12.2	Persistence and degradability	No data available.
12.3	Bioaccumulative potential	No data available.
12.4	Mobility in soil	No data available.
12.5	Results of PBT & vPvB assessment	Assessment not required.
12.6	Other adverse effects	None known at present.

## Section 13. Disposal Considerations

### 13.1 Waste treatment methods

Disposal Methods	Dissolve or mix the material with a combustible solvent. Burn in a chemical incinerator equipped with afterburners and scrubbers.
Contaminated Packaging	Burn in a chemical incinerator equipped with afterburners and scrubbers.

## Section 14. Transport Information

14.1 UN Number	1548
14.2 Proper Shipping Name	Aniline hydrochloride
14.3 Transport classes	
UN classification	6.1
Subsidiary hazard(s)	None
Transport category	2
ADR Hazard ID	60
Tunnel Restriction Code	E
14.4 Packing Group	III
14.5 Environment hazards	See section 12.
14.6 Special precautions for user	No special precautions required.
14.7 Transport in bulk	Not transported in bulk.



## Section 15. Regulatory Information

### 15.1 Safety, health and environment regulations specific for substance/mixture.

#### Classification, Labeling & Packaging of Substances & Mixtures Regulations (1272/2008/CE)

Classification Acute toxicity, category 3 (oral); Acute toxicity, category 3 (dermal); Acute toxicity, category 3 (inhalation); Serious eye damage/irritation, category 1; Skin sensitization, category 1; Germ cell mutagenicity, category 2; Carcinogenicity, category 2; Spec target organ tox - repeat, category 1; Hazard to aquatic environment, category 1

Signal word Danger

Hazard Pictograms



Hazard Statements H301+H311+H331, H351, H341, H317, H318, H372, H400  
Toxic if swallowed, inhaled and in contact with skin. Suspected of causing cancer. Suspected of causing genetic defects. May cause an allergic skin reaction. Causes serious eye damage. May cause damage to organs through prolonged or repeated exposure. Very toxic to aquatic life.

Hazard Statements (Packs of 500ml/g or less) H301+H311+H331, H351, H341, H317, H318, H372  
Toxic if swallowed, inhaled and in contact with skin. Suspected of causing cancer. Suspected of causing genetic defects. May cause an allergic skin reaction. Causes serious eye damage. May cause damage to organs through prolonged or repeated exposure.

Precautionary Statements P280, P261, P270, P301+P310, P302+P352, P305+P351+P338  
Wear protective gloves / protective clothing / eye protection. Avoid breathing dust. Do not eat, drink or smoke when using this product. IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. IF ON SKIN: Wash with plenty of soap and water. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do and continue rinsing.

Precautionary Statements (Packs of 500ml/g or less) P280, P261, P270, P305+P351+P338  
Wear protective gloves / protective clothing / eye protection. Avoid breathing dust. Do not eat, drink or smoke when using this product. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do and continue rinsing.

## 15.2 Chemical safety assessment

Assessment not required.

## Section 16. Other Information

The information contained in this document only covers the hazards presented by this material, it DOES NOT constitute a workplace risk assessment. See sections 11 for toxicological information and section 12 for ecological information.

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