

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

### 1.1 Product identifier

Pestwest Quantum

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

**Relevant identified uses:** Fly attractant.

**Uses advised against:** Not to be used other than as identified.

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

**Address:** PestWest Australia Pty Ltd, 4 Tesla Link, Wangara Perth, W.A 6065, Australia **Tel:** +61 8 9302 2088

## SECTION 2: Hazards identification

### 2.1. Classification of the mixture

Not classified as hazardous according to the Global harmonised System (GHS) while intact.

### 2.2. Label elements

**Signal Word:** None

**Hazard statements:**

None applicable

**Precautionary statements:**

None applicable

**To avoid risks to human health and the environment, comply with instructions for use.**

### 2.3. Other hazards

None expected under normal conditions of use.

## SECTION 3: Composition/information on ingredients

### 3.2 Mixtures

If the lamps are broken, the following materials may be released.

Component	% by weight	Cas No.	EC No.	EC Classification	
Glass	>90				
Strontium borate, europium doped	<2	102110-29-2	310-028-8		
Krypton	<0.1	7439-90-9	231-098-5	GHS04	H280 OSHA-H01
Argon	<0.1	7440-37-1	231-147-0	GHS04	H280 OSHA-H01
Mercury	<0.1	7439-97-6	231-106-7	Repr. 1B GHS06 GHS08 GHS09	H360D H330 H372 H410
Tungsten	<0.1	7440-33-7	231-143-9		
Metals	<2				
Capping Cement	<2				

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

**General:** If during or after use/exposure you begin to feel unwell, seek medical attention bringing a copy of the product label/the SDS.

**Eye contact:** Wash eyes, including under eyelids, immediately with copious amounts of water for 15 minutes.

**Skin contact:** Apply normal first aid for glass cuts if such occur through lamp breakage.

**Ingestion:** In the unlikely event of ingestion of a large quantity of material, seek medical attention.

**Inhalation:** If discomfort, irritation or symptoms of pulmonary involvement develop, remove from exposure and seek medical attention.

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

None

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

Treat symptomatically.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

**Suitable extinguishing agents:** Use extinguishing agents suitable for surrounding fire.

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

Hazardous decomposition products produced in fire. Silicon dioxide, aluminium oxides, mercury oxides, strontium oxide, boric oxides, europium oxides, metal oxide, tungsten oxides.

### 5.3. Advice for firefighters

Wear self-contained breathing apparatus and appropriate protective equipment. Fire residues and contaminated extinguishing media should be disposed according to current regulation. Warn those at risk that toxic fumes are produced.

## SECTION 6: Accidental release measures

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

Wear appropriate PPE (See section 8.2). Ensure adequate ventilation. Avoid contact with skin or eyes.

### 6.2. Environmental precautions

Do not flush into surface water or sanitary sewer system.

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

Not applicable if lamp is in original state. If lamps are broken ventilate area where breakage occurred. Clear up using special mercury vacuum cleaner or other appropriate agent for preventing vaporisation. Take standard measures for clearing up broken glass and deposit in a lockable container.

### 6.4. Reference to other sections

See section 8 for protective clothing / See section 7 for safe handling / See section 13 for disposal.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Under normal circumstances non needed.

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

No special precautions.

### 7.3. Specific end use(s)

See section 1.2.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

The following exposure limits apply when working with broken lamps.

Mercury TWA: 0.003ppm / 0.025mg/m<sup>3</sup>

Tungsten TWA: 5 mg/m<sup>3</sup>

STEL: 10mg/m<sup>3</sup>

### 8.2. Exposure controls

In normal usage No PPE Required.

**General safety and hygiene measures:** Handle in accordance with good industrial hygiene and safety practice. Wearing of closed work clothing is recommended. Store work clothing separately. Keep away from food, drink and animal feeding stuffs.

## SECTION 9: Physical and chemical properties

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

Appearance:	Article.
Odour:	None.
Odour threshold:	Not applicable.
pH:	Not applicable.
Melting point/freezing point:	>480°C
Initial boiling point/boiling range:	Not applicable
Flash point:	Not applicable
Evaporation rate:	Not applicable.
Flammability:	Not applicable.
Upper/lower flammability or explosive limits:	Not applicable.
Vapor pressure:	Not applicable.
Vapor density:	Not applicable.
Relative density:	Not applicable.
Solubility(ies):	Not applicable.
Partition coefficient n-octanol/water (log Kow):	Not applicable.
Auto-ignition temperature:	Not applicable.
Decomposition temperature:	Not applicable.
Viscosity:	Not applicable.
Explosive properties:	Not applicable.
Oxidising properties:	No available data.

### 9.2 Other Information

No further relevant information

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

### 10.2. Chemical stability

Stable under recommended conditions of storage and handling.

### 10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

### 10.4. Conditions to avoid

None known.

### 10.5. Incompatible materials

None Known.

### 10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

Based on the data available, if product is handled correctly and used according to instructions, there are no known hazardous effects for human health.

### 11.2. Other Data

See section 2.3

## SECTION 12: Ecological information

### 12.1. Toxicity

Product not tested. Data provided for components where available.

Mercury:

LC50: 0.004 mg/l 96h (Fish)

EC50: 0.0052 mg/l 48h (daphnia)

IC50: 0.3 mg/l 72h (algae)

### 12.2. Persistence and degradability

Product not tested.

### 12.3. Bio accumulative potential

Product not tested no data available.

### 12.4. Mobility in soil

Product not tested, No data available.

### 12.5. Results of PBT and vPvB assessment

No further data available.

### 12.6. Other adverse effects

No further data available

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

All fluorescent lamps contain some amount of mercury. All disposal options should be evaluated with respect to the requirements of the relevant local and national legislation. Before disposing of waste lamps check with state, country, and/or local officials for current guidelines and regulations.

## SECTION 14: Transport information

### 14.1. UN number

2809.

### 14.2. UN proper shipping name

Mercury in manufacturing articles.

### 14.3. Transport hazard class(es).

8(6.1).

### 14.4. Packing group

Not applicable.

### 14.5. Environmental hazards

Not applicable.

### 14.6. Special precautions for user

Not applicable.

### 14.7. Transport in bulk according to Annex II of Marpol and the IBC Code.

Not applicable.

## SECTION 15: Regulatory information

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

The product is not covered by any current regulation.

Ensure that all local and national rules are observed.

### 15.2. Chemical safety assessment

No Chemical Safety Assessment has been carried out for this substance/mixture by the supplier.

## SECTION 16: Other information

Use only in accordance with label instructions.

The information in this data sheet should be considered when undertaking a risk assessment under the COSHH regulations.

### Ingredient classification data:

Gasses under pressure	H280 Contains gas under pressure; may explode if heated.
Acute toxicity (inhalation) cat 1	H330 Fatal if inhaled.
Reproductive toxicity cat 1	H360D May damage fertility or the unborn child.
Specific target organ toxicity, repeated exposure cat1	H372 causes damage to organs through prolonged or repeat exposure
Aquatic toxicity Chronic cat1	H410 Very toxic to aquatic life with long lasting effects.

### This safety data sheet does not constitute a risk assessment.

The information contained within this data sheet is strictly for general guidance only and should not be relied upon over and above this. This data sheet is intended to provide general health and safety guidance on the handling, storage and transportation of the preparation. The information provided in this data sheet is accurate at the date of publication and will be updated as and when appropriate. No liability will be accepted by Starkeys for any loss, injury or damage arising from any failure to comply with the information and advice contained within this data sheet and/or failure to comply with the manufacturer's guidelines, product label data and any associated technical usage literature.