



# Material Safety Data

**A Searle  
& Co**

## Shell Water Detector

**Version**  
No. 004

**ISSUED**  
01/01/2018

**Status**

---

### 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY/UNDERTAKING

---

**Product Name**  
Shell Water Detector

**Product Type/Use**  
Article for determining the presence of finely dispersed un-dissolved water in jet fuel.

**Company Name**  
A Searle & Co

**Address**  
Unit 2 Mulberry Court,  
Bourne Road, Crayford, Kent,  
DA1 4BF

**Emergency Tel.**  
Tel: ++44 (0)1322 - 529119  
Fax: ++44 (0)1322 - 528528

**Telephone/Telex Number**  
Tel: ++44 (0)1322 - 529119  
Fax: ++44 (0)1322 - 528528

### 2. COMPOSITION/INFORMATION ON INGREDIENTS

---

**Preparation Description**

Capsule containing chemicals absorbed onto chromatography paper at concentrations which do not require classification as dangerous under EC criteria.

---

### 3. HAZARDS IDENTIFICATION

---

#### **EC Classification**

Not classified as Dangerous under EC criteria.

#### **Human Health Hazards**

No specific hazards under normal use conditions. Keep out of the reach of children. Due to the physical nature of the capsule, it may present a choking hazard if accidentally swallowed.

#### **Safety Hazards**

Not classified as flammable, but will burn.

#### **Environmental Hazards**

Capsule contents are not classified as dangerous for the environment.

---

### 4. FIRST AID MEASURES

---

#### **Symptoms and Effects**

Not expected to give rise to an acute hazard under normal conditions of use.

#### **Inhalation**

Due to the physical nature of the capsule, inhalation is unlikely.

#### **Skin**

Due to the physical nature of the capsule, contact with skin is unlikely.

#### **Eye**

Due to the physical nature of the capsule, eye contact is unlikely.

#### **Ingestion**

In the unlikely event of ingestion, obtain medical attention immediately.

#### **Advice to Doctor**

Treat symptomatically. Chemicals present in the capsule are at such small quantities that they are not hazardous to human health.

#### **Other Information**

Used capsules may contain jet fuel/residue. Refer to supplier Safety Data sheet for medical advice pertaining to Jet Fuel.

---

### 5. FIRE FIGHTING MEASURES

---

#### **Specific Hazards**

Combustion is likely to give rise to a complex mixture of airborne solid and liquid particulates and gases.

#### **Extinguishing Media**

Foam and dry chemical powder. Carbon dioxide, sand or earth may be used.

**Unsuitable Extinguishing Media**

Use of halon extinguishers should be avoided for environmental reasons.

**Protective Equipment**

Proper protective equipment including breathing apparatus must be worn when approaching a fire in a confined space.

---

## 6. ACCIDENTAL RELEASE MEASURES

---

**Personal Precautions**

When using the capsule, wear protection as appropriate for jet fuel, that is:-  
avoid contact with skin and eyes.  
wear PVC, Neoprene or nitrile rubber gloves.  
wear safety glasses or full face shield if splashes are likely to occur.

**Environmental Precautions**

Use appropriate containment to avoid environmental contamination. Inform local authorities if this cannot be prevented.

**Clean-up Methods**

Sweep up and remove to a suitable, clearly marked container for disposal in accordance with local regulations.

---

## 7. HANDLING AND STORAGE

---

**Handling**

Refer to manufacturer instructions for use. Take the necessary precautions when using jet fuel as advised in the relevant Fuel Safety Data Sheet.

**Storage**

Keep in a cool, dry, well-ventilated place. Use properly labelled and closable containers.

**Storage Temperatures**

0°C Minimum. 50°C Maximum.

---

## 8. EXPOSURE CONTROLS, PERSONAL PROTECTION

---

**Exposure**

**Limits**

No exposure limits established.

(OEL for Jet Fuel as total hydrocarbon vapour is 200mg/m<sup>3</sup> (ACGIH))

**Exposure Controls**

Use local exhaust ventilation if there is a risk of inhalation of vapours, mists or aerosols (from jet fuel).

**Respiratory Protection**

Not normally required.

**Hand Protection**

PVC or nitrile rubber gloves when using jet fuel.

**Eye Protection**

Wear safety glasses or full face shield if splashes are likely to occur, when using jet fuel.

**Environmental Exposure Controls**

Minimise release to the environment.

---

## 9. PHYSICAL AND CHEMICAL PROPERTIES

---

**Description**

Opaque capsule containing small pale yellow disc.

**Odour**

None.

---

## 10. STABILITY AND REACTIVITY

---

**Stability**

Stable.

**Conditions to Avoid**

Extremes of temperature and direct sunlight. Exposure to moist air/water vapour.

**Materials to Avoid**

Water

---

## 11. TOXICOLOGICAL INFORMATION

---

**Basis for Assessment**

Toxicological data have not been determined specifically for this product. Information given is based on a knowledge of the components and the toxicology of similar products.

**Eye Irritation**

Not applicable

**Skin Irritation**

Not applicable.

**Respiratory Irritation**

Not applicable.

**Carcinogenicity**

Components are not known to be associated with carcinogenic effects.

**Mutagenicity**

Not considered to be a mutagenic hazard.

**Reproductive Toxicity**

Not considered to be toxic to reproduction.

**Other Information**

The above information refers to the Shell Water Detector kit. When in use refer to the Jet Fuel Safety Data Sheet for relevant detailed toxicological data.

---

## 12. ECOLOGICAL INFORMATION

---

**Basis for Assessment**

Ecotoxicological data have not been determined specifically for this product. Information given is based on a knowledge of the components and the ecotoxicology of similar products.

**Persistence / Degradability**

Not expected to be readily biodegradable.

---

## 13. DISPOSAL CONSIDERATIONS

---

**Product Disposal**

Vent used product and dispose of all capsules as for other waste fuel contaminated articles, in accordance with prevailing regulations with a recognised collector or contractor. The competence of the contractor to deal satisfactorily with this type of product should be established beforehand. Do not pollute the soil, water or environment with the waste product.

**Container Disposal**

Recycle or dispose of aluminium container in accordance with the legislation in force with a recognised collector or contractor.

---

## 14. TRANSPORT INFORMATION

---

**Transport Information**

Not dangerous for transport under UN, IMO, and IATA/ICAO codes.

---

## 15. REGULATORY INFORMATION

---

**EC Symbols**

None.

**Risk Phrase**

Not classified under EU criteria.

**Safety Phrase**

Not classified under EU criteria.

**EINECS**

All components listed.

**Packaging & Labelling**

Do not swallow contents.

---

**16. OTHER INFORMATION**

---

**Revisions Highlighted**

No amendments made to information.

**References**

Contact your local supplier to obtain a Safety Data Sheet for Jet Fuel.

**Restrictions**

This product must not be used in applications other than recommended without first seeking the advice of the SHELL technical department.

**Further Information**

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It does not constitute a guarantee for any specific property of the product.

---

End of SDS

---