

**Safety data sheet**  
according to 1907/2006/EC, Article 31

Printing Date: 14.12.2020

Version Number: 3.0

Revision Date: 14.12.2020

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

### 1.1 Product identifier:

Trade name: OPTEVA™ ESE® 942

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

Relevant identified uses of the substance or mixture: Cement Additive

Identified uses advised against: No further relevant information available.

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

#### Manufacturer/supplier:

GCP Applied Technologies  
Unit 1  
Widnes Business Park  
Waterside Lane  
Widnes  
WA8 8UB

Tel: ++44 (0)1925 855330

[www.gcpat.com](http://www.gcpat.com)

Further information obtainable from: [msds.gcp@gcpat.com](mailto:msds.gcp@gcpat.com)

### 1.4 Emergency telephone number:

For Chemical Emergency: (Spill, Leak, Fire, Exposure or Accident) - Call CHEMTREC (Day/Night) on:

Within USA & Canada : 800-424-9300,  
Outside USA & Canada : +1 703-741-5970

National emergency telephone number: CHEMTREC UK +(44)-870-8200418

## SECTION 2: Hazards identification

### 2.1 Classification of the substance or mixture:

Classification according to Regulation (EC) No 1272/2008 The product is not classified, according to the CLP regulation.

### 2.2 Label elements:

Labelling according to Regulation (EC) No 1272/2008 Not classified.

Hazard pictograms Not classified.

Signal word Not classified.

Hazard statements Not classified.

#### Additional information:

EUH210 Safety data sheet available on request.

### 2.3 Other hazards:

#### Results of PBT and vPvB assessment:

PBT: Not applicable.

vPvB: Not applicable.

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**SECTION 3: Composition/information on ingredients****3.2 Chemical characterization: Mixture:****Description:**

Mixture of substances listed below with non-hazardous additions.

For further information, please refer to the product technical data sheet.

**Dangerous components:**

CAS: 107-21-1 EINECS: 203-473-3 Index number: 603-027-00-1 Reg.nr.: 01-2119456816-28-XXXX	Ethylene glycol	STOT RE 2, H373 Acute Tox. 4, H302	1-<3%
CAS: 111-46-6 EINECS: 203-872-2 Index number: 603-140-00-6 Reg.nr.: 01-2119457857-21-XXXX	Diethylene glycol	STOT RE 2, H373 Acute Tox. 4, H302	1-<3%

**SECTION 4: First aid measures****4.1 Description of first aid measures:****General information:** Get medical advice/attention if you feel unwell.**After inhalation:** No special measures required.**After skin contact:** Wash with plenty of soap and water.**After eye contact:** Rinse cautiously with water for several minutes.**After swallowing:**

Rinse mouth.

Do NOT induce vomiting.

**4.2 Most important symptoms and effects, both acute and 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: Firefighting measures****5.1 Extinguishing media:****Suitable extinguishing agents:** CO<sub>2</sub>, powder or water spray. Fight larger fires with water spray.**5.2 Special hazards arising from the substance or mixture:** No further relevant information available.**5.3 Advice for firefighters:****Protective equipment:** Wear self-contained respiratory protective device.**Additional information:** Collect contaminated fire fighting water separately. It must not enter the sewage system.**SECTION 6: Accidental release measures****6.1 Personal precautions, protective equipment and emergency procedures:**

Wear protective equipment. Keep unprotected persons away.

**6.2 Environmental precautions:** Inform respective authorities in case of seepage into water course or sewage system.**6.3 Methods and material for containment and cleaning up:**

Send for recovery or disposal in suitable receptacles.

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### 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.

## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling:

Do not eat, drink or smoke when using this product.

Store in a well-ventilated place. Keep container tightly closed.

Keep only in original packaging.

Use only outdoors or in a well-ventilated area.

**Information about fire - and explosion protection:** No special measures required.

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

#### STORAGE

**Information about storage in one common storage facility:** No special measures required.

#### Further information about storage conditions:

Protect from frost.

Store in a dry place.

Keep cool.

**7.3 Specific end use(s):** No further relevant information available.

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters:

**Additional information about design of technical facilities:** No further data; see item 7.

#### Ingredients with limit values that require monitoring at the workplace:

##### 107-21-1 Ethylene glycol

WEL	Short-term value: 104** mg/m <sup>3</sup> , 40** ppm
	Long-term value: 10* 52** mg/m <sup>3</sup> , 20** ppm
	Sk *particulate **vapour

##### 111-46-6 Diethylene glycol

WEL	Long-term value: 101 mg/m <sup>3</sup> , 23 ppm
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**Additional information:** Based on the lists valid at the date of SDS creation.

### 8.2 Exposure controls:

#### PERSONAL PROTECTIVE EQUIPMENT

##### General protective and hygienic measures:

The usual precautionary measures are to be adhered to when handling chemicals.

##### Respiratory protection:

Control exposure to ingredients with workplace control parameters if mentioned above. If no ingredients are listed, respiratory protection is generally not required.

If exposure limits are listed and may be exceeded, use approved respiratory protective equipment and filter type appropriate for the listed ingredients. (NIOSH, CEN, etc.).

EN 143.

##### Protection of hands:

Protective gloves.

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EN 374.

**Material of gloves:** PVC gloves.**Penetration time of glove material:**

The exact breakthrough time has to be determined by the manufacturer of the protective gloves and has to be observed.

**Eye protection:**

Safety glasses with side shield protection.

EN 166.

**Body protection:**

Use personal protective equipment as required.

Take off contaminated clothing.

## SECTION 9: Physical and chemical properties

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

#### GENERAL INFORMATION

**Appearance:**

<b>Form:</b>	Liquid.
<b>Colour:</b>	Brown.
<b>Odour:</b>	Characteristic.
<b>Odour threshold:</b>	Not determined.

**pH-value (~) at 20 °C:** 11**Change in conditions:-**

<b>Melting point/freezing point:</b>	Undetermined.
<b>Initial boiling point and boiling range:</b>	>100 °C
<b>Flash point:</b>	>100 °C

**Flammability (solid, gas):** Not applicable.**Ignition temperature:** 290 °C**Decomposition temperature:** Not determined.**Auto-ignition temperature:** Not determined.**Explosive properties:** Product does not present an explosion hazard.

#### EXPLOSION LIMITS

<b>Lower:</b>	Not determined.
<b>Upper:</b>	Not determined.

**Vapour pressure:** Not determined.**Density at 20 °C:** 1 g/cm<sup>3</sup>**Vapour density:** Not determined.**Evaporation rate:** Not determined.**Solubility in/Miscibility with:-****Water:** Fully miscible.**Partition coefficient: n-octanol/water:** Not determined.

#### VISCOSITY

**Dynamic:** Not determined.**Kinematic:** Not determined.**Molecular weight:** Not applicable.**9.2 Other information:** No further relevant information available.

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**SECTION 10: Stability and reactivity****10.1 Reactivity:**

Stable under normal conditions.  
No further relevant information available.

**10.2 Chemical stability:**

**Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.

**10.3 Possibility of hazardous reactions**

No dangerous reactions known.  
No further relevant information available.

**10.4 Conditions to avoid:** No further relevant information available.

**10.5 Incompatible materials:** No further relevant information available.

**10.6 Hazardous decomposition products:**

Carbon monoxide and carbon dioxide.  
Nitrogen oxides (NO<sub>x</sub>).

**SECTION 11: Toxicological information****11.1 Information on toxicological effects:**

**ACUTE TOXICITY** Based on available data, the classification criteria are not met.

**LD/LC50 values relevant for classification:****111-46-6 Diethylene glycol**

Oral	LD50	1,120 mg/kg (human)
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**Primary irritant effect**

**Skin corrosion/irritation** Based on available data, the classification criteria are not met.

**Serious eye damage/irritation** Based on available data, the classification criteria are not met.

**Respiratory or skin sensitisation** Based on available data, the classification criteria are not met.

**Other information :****Repeated dose toxicity**

**Germ cell mutagenicity** Based on available data, the classification criteria are not met.

**Carcinogenicity** Based on available data, the classification criteria are not met.

**Reproductive toxicity** Based on available data, the classification criteria are not met.

**STOT-single exposure** Based on available data, the classification criteria are not met.

**STOT-repeated exposure** Based on available data, the classification criteria are not met.

**Aspiration hazard** Based on available data, the classification criteria are not met.

**SECTION 12: Ecological information****12.1 Toxicity:**

**AQUATIC TOXICITY** No further relevant information available.

**12.2 Persistence and degradability:** No further relevant information available.

**12.3 Bioaccumulative potential:** No further relevant information available.

**12.4 Mobility in soil:** No further relevant information available.

**ADDITIONAL ECOLOGICAL INFORMATION**

**General notes:** Not known to be hazardous to water.

**12.5 Results of PBT and vPvB assessment:**

**PBT:** Not applicable.

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vPvB: Not applicable.

**12.6 Other adverse effects:** No further relevant information available.

### SECTION 13: Disposal considerations

#### 13.1 Waste treatment methods:

**Recommendation:**



Must not be disposed together with household garbage. Do not allow product to reach sewage system.

#### European waste catalogue:

07 00 00	WASTES FROM ORGANIC CHEMICAL PROCESSES
07 01 00	wastes from the manufacture, formulation, supply and use (MFSU) of basic organic chemicals
07 01 99	wastes not otherwise specified

#### UNCLEANED PACKAGING

**Recommendation:** Disposal must be made according to official regulations.

### SECTION 14: Transport information

#### 14.1 UN-Number

ADR, IMDG, IATA

Not Regulated

#### 14.2 UN proper shipping name

ADR, IMDG, IATA

Not Regulated

#### 14.3 Transport hazard class(es)

ADR, ADN, IMDG, IATA

Class

Not Regulated

#### 14.4 Packing group

ADR, IMDG, IATA

Not Regulated

#### 14.5 Environmental hazards:

Not applicable.

#### 14.6 Special precautions for user:

Not applicable.

#### 14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code:

Not Regulated

### SECTION 15: Regulatory information

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

See Section 2 for hazard identification.

Directive 2012/18/EU

Named dangerous substances - ANNEX I None of the ingredients is listed.

**DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment – Annex II**

None of the ingredients is listed.

**15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

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**SECTION 16: Other information**

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

**Relevant phrases:**

H302 Harmful if swallowed.

H373 May cause damage to organs through prolonged or repeated exposure.

**Department issuing SDS:**

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GCP Applied Technologies (UK) Limited  
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Slough, Berkshire  
SL1 4EP

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**The first date of preparation:** 14.12.2020**Number of revision times and the latest revision date:** 3.0 / 14.12.2020

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