

# SAFETY DATA SHEET

according to Regulation (EC) No. 453/2010

## MA-42 COMPONENT

Revision Date: 30-Nov-2010

Revision Number: 9

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

**Product Identifier**

**Product Name** MA-42 COMPONENT

**Relevant identified uses of the substance or mixture and uses advised against**

**Recommended Use** Surfactant

**Uses Advised Against** No information available

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

Halliburton Energy Services  
Halliburton House, Howemoss Place  
Kirkhill Industrial Estate  
Dyce  
Aberdeen, AB21 0GN  
United Kingdom

Emergency Phone Number: +44 1224 795277 or +1 281 575 5000

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

For further information, please contact

**E-Mail address:** [fdunexchem@halliburton.com](mailto:fdunexchem@halliburton.com)

**Emergency telephone number**

+44 1224 795277 or +1 281 575 5000

**Emergency telephone \$45 - (EC)1272/2008**

|                       |                                                                                                                         |
|-----------------------|-------------------------------------------------------------------------------------------------------------------------|
| <b>Europe</b>         | <b>112</b>                                                                                                              |
| <b>Denmark</b>        | Poison Control Hotline (DK): +45 82 12 12 12                                                                            |
| <b>France</b>         | ORFILA (FR): + 01 45 42 59 59                                                                                           |
| <b>Germany</b>        | Poison Center Berlin (DE): +49 030 30686 790                                                                            |
| <b>Italy</b>          | Poison Center, Milan (IT): +39 02 6610 1029                                                                             |
| <b>Netherlands</b>    | National Poisons Information Center (NL): +31 30 274 88 88 (NB: this service is only available to health professionals) |
| <b>Norway</b>         | Poisons Information (NO): + 47 22 591300                                                                                |
| <b>Poland</b>         | Poison Control and Information Centre, Warsaw (PL): +48 22 619 66 54; +48 22 619 08 97                                  |
| <b>Spain</b>          | Poison Information Service (ES): +34 91 562 04 20                                                                       |
| <b>United Kingdom</b> | NHS Direct (UK): +44 0845 46 47                                                                                         |

### 2. HAZARDS IDENTIFICATION

**Classification of the substance or mixture**

**REGULATION (EC) No 1272/2008**

|                                     |                  |
|-------------------------------------|------------------|
| Skin Corrosion / irritation         | Category 2- H315 |
| Serious Eye Damage / Eye Irritation | Category 2- H319 |

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

For the full text of the R-phrases mentioned in this Section, see Section 16

## 2. HAZARDS IDENTIFICATION

**Classification** Xn - Harmful.

**Risk Phrases** R22 Harmful if swallowed.  
R36/38 Irritating to eyes and skin.

### Label Elements

#### Hazard Pictograms



**Signal Word** Warning

#### Hazard Statements

H315 - Causes skin irritation  
H319 - Causes serious eye irritation

#### Contains

**Substances**  
Phenyl acetate

**CAS Number**  
122-79-2

#### Precautionary Statements - EU (§28, 1272/2008)

P264 - Wash face, hands and any exposed skin thoroughly after handling  
P280 - Wear protective gloves  
P302 + P352 - IF ON SKIN: Wash with plenty of soap and water  
P332 + P313 - If skin irritation occurs: Get medical advice/attention  
P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing  
P337 + P313 - If eye irritation persists: Get medical advice/attention

#### Other Hazards

None known

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

| Substances     | EINECS    | CAS Number | PERCENT   | EEC Classification | EU - CLP Substance Classification           | REACH No.         |
|----------------|-----------|------------|-----------|--------------------|---------------------------------------------|-------------------|
| Phenyl acetate | 204-575-0 | 122-79-2   | 60 - 100% | Xi; R36/38         | Skin Irrit. 2 (H315)<br>Eye Irrit. 2 (H319) | No data available |

For the full text of the R-phrases mentioned in this Section, see Section 16

## 4. FIRST AID MEASURES

#### Description of first aid measures

##### Inhalation

If inhaled, remove from area to fresh air. Get medical attention if respiratory irritation develops or if breathing becomes difficult.

#### 4. FIRST AID MEASURES

|                  |                                                                                                                                                                                 |
|------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Eyes</b>      | In case of contact, immediately flush eyes with plenty of water for at least 15 minutes and get medical attention if irritation persists.                                       |
| <b>Skin</b>      | Wash with soap and water. Get medical attention if irritation persists.                                                                                                         |
| <b>Ingestion</b> | If swallowed, induce vomiting immediately by giving two glasses of water and sticking fingers down throat; never give anything to an unconscious person. Get medical attention. |

**Most Important symptoms and effects, both acute and delayed**

May cause eye and skin irritation.

**Indication of any immediate medical attention and special treatment needed**

|                           |                       |
|---------------------------|-----------------------|
| <b>Notes to Physician</b> | Treat symptomatically |
|---------------------------|-----------------------|

#### 5. FIREFIGHTING MEASURES

**Extinguishing media****Suitable Extinguishing Media**

Water fog, carbon dioxide, foam, dry chemical.

**Extinguishing media which must not be used for safety reasons**

None known.

**Special hazards arising from the substance or mixture****Special Exposure Hazards**

Use water spray to cool fire exposed surfaces. Closed containers may explode in fire. Decomposition in fire may produce toxic gases.

**Advice for firefighters****Special Protective Equipment for Fire-Fighters**

Full protective clothing and approved self-contained breathing apparatus required for fire fighting personnel.

#### 6. ACCIDENTAL RELEASE MEASURES

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

Use appropriate protective equipment. Wear self-contained breathing apparatus in enclosed areas.

See Section 12 for additional information

**Environmental precautions**

Prevent from entering sewers, waterways, or low areas.

**Methods and material for containment and cleaning up**

Isolate spill and stop leak where safe. Contain spill with sand or other inert materials. Scoop up and remove.

**Reference to other sections**

See Section 12 for additional information.

#### 7. HANDLING AND STORAGE

**Precautions for Safe Handling**

Avoid contact with eyes, skin, or clothing. Avoid breathing vapors. Wash hands after use. Launder contaminated clothing before reuse.

**Hygiene Measures**

Handle in accordance with good industrial hygiene and safety practice

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

Store away from oxidizers. Store away from alkalis. Store in a cool well ventilated area. Keep container closed when not in use. Product has a shelf life of 24 months.

**Specific End Use(s)**

|                          |                          |
|--------------------------|--------------------------|
| <b>Exposure Scenario</b> | No information available |
|--------------------------|--------------------------|

|                         |                          |
|-------------------------|--------------------------|
| <b>Other Guidelines</b> | No information available |
|-------------------------|--------------------------|

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Control parameters**

| Substances     | EU             | UK OEL         | Netherlands    | France OEL     | Germany MAK/TRK |
|----------------|----------------|----------------|----------------|----------------|-----------------|
| Phenyl acetate | Not applicable | Not applicable | Not applicable | Not applicable | Not applicable  |

| Substances     | Italy          | Poland         | Hungary        | Czech Republic | Denmark        |
|----------------|----------------|----------------|----------------|----------------|----------------|
| Phenyl acetate | Not applicable | Not applicable | Not applicable | Not applicable | Not applicable |

**Derived No Effect Level (DNEL)** No information available.

**Predicted No Effect Concentration (PNEC)** No information available.

**Exposure controls**

**Engineering Controls** Use in a well ventilated area.

**Personal protective equipment**

**Respiratory Protection** Organic vapor respirator.

**Hand Protection** Impervious rubber gloves.

**Skin Protection** Rubber apron.

**Eye Protection** Chemical goggles; also wear a face shield if splashing hazard exists.

**Other Precautions** Eyewash fountains and safety showers must be easily accessible.

**Environmental Exposure Controls** No information available

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Information on basic physical and chemical properties**

**Physical State:** Liquid

**Color:** White

**Odor:** Phenolic

**Odor Threshold:** No information available

PropertyValuesRemarks/ Method**pH:**

5.2

**Melting Point/Range**

No data available

**Freezing Point/Range (C):**

-4°C

**Boiling Point/Range**

195°C

**Flash Point**

80°C

**PMCC****Evaporation rate**

No data available

**Vapor Pressure**

0.01 mmHg

**Vapor Density**

No data available

**Specific Gravity**

1.07

**Water Solubility**

Partly soluble

**Solubility in other solvents**

No data available

**Partition coefficient: n-octanol/water**

No data available

**Autoignition Temperature**

No data available

**Decomposition Temperature**

No data available

**Viscosity**

No data available

**Explosive Properties**

No information available

**Oxidizing Properties**

No information available

Other information**VOC Content (%)**

No data available

## 10. STABILITY AND REACTIVITY

Reactivity

Not applicable

Chemical Stability

Stable

Possibility of Hazardous Reactions

Will Not Occur

Conditions to Avoid

## 10. STABILITY AND REACTIVITY

None anticipated

### **Incompatible Materials**

Strong alkalis. Contact with water.

### **Hazardous Decomposition Products**

Phenol. Carbon monoxide and carbon dioxide. Toxic fumes.

## 11. TOXICOLOGICAL INFORMATION

### Information on Toxicological Effects

#### **Acute Toxicity**

##### **Inhalation**

May cause respiratory irritation.

##### **Eye Contact**

May cause moderate eye irritation.

##### **Skin Contact**

May cause moderate skin irritation. May cause a rash and itching of the skin.

##### **Ingestion**

May cause abdominal pain, vomiting, nausea, and diarrhea.

**Chronic Effects/Carcinogenicity** No data available to indicate product or components present at greater than 1% are chronic health hazards.

| Substances     | LD50 Oral         | LD50 Dermal       | LC50 Inhalation   |
|----------------|-------------------|-------------------|-------------------|
| Phenyl acetate | No data available | No data available | No data available |

## 12. ECOLOGICAL INFORMATION

### **Toxicity**

#### **Ecotoxicity Effects**

| Substances     | Toxicity to Algae        | Toxicity to Fish         | Toxicity to Microorganisms | Daphnia Magna (Water Flea) |
|----------------|--------------------------|--------------------------|----------------------------|----------------------------|
| Phenyl acetate | No information available | No information available | No information available   | No information available   |

### **Persistence and degradability**

No information available

### **Bioaccumulative potential**

No information available

### **Mobility in soil**

No information available

### **Results of PBT and vPvB assessment**

No information available.

### **Other adverse effects**

#### **Endocrine Disruptor Information**

This product does not contain any known or suspected endocrine disruptors

## 13. DISPOSAL CONSIDERATIONS

### **Waste treatment methods**

#### **Disposal Method**

Disposal should be made in accordance with federal, state, and local regulations.

#### **Contaminated Packaging**

Follow all applicable national or local regulations.

**14. TRANSPORT INFORMATION****IMDG/IMO**

UN Number: Not restricted.  
UN Proper Shipping Name: Not restricted  
Transport Hazard Class(es): Not applicable

**RID**

UN Number: Not restricted.  
UN Proper Shipping Name: Not restricted  
Transport Hazard Class(es): Not applicable

**ADR**

UN Number: Not restricted.  
UN Proper Shipping Name: Not restricted  
Transport Hazard Class(es): Not applicable

**IATA/ICAO**

UN Number: Not restricted.  
UN Proper Shipping Name: Not restricted  
Transport Hazard Class(es): Not applicable

**Special Precautions for User**

None

**Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code**

Not applicable

**15. REGULATORY INFORMATION****Safety, health and environmental regulations/legislation specific for the substance or mixture****International Inventories**

**EINECS Inventory** This product, and all its components, complies with EINECS  
**US TSCA Inventory** All components listed on inventory or are exempt.  
**Canadian DSL Inventory** All components listed on inventory or are exempt.

**Legend****TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory**EINECS/ELINCS** - European Inventory of Existing Commercial Chemical Substances/EU List of Notified Chemical Substances**DSL/NDL** - Canadian Domestic Substances List/Non-Domestic Substances List**Germany, Water Endangering  
Classes (WGK)**

WGK 2: Hazard to waters.

**Chemical Safety Assessment**

No information available

**16. OTHER INFORMATION****Full text of R-phrases referred to under Sections 2 and 3**

R22 Harmful if swallowed.

R36/38 Irritating to eyes and skin.

**Key literature references and sources for data**[www.ChemADVISOR.com/](http://www.ChemADVISOR.com/)**Revision Date:**

30-Nov-2010

**16. OTHER INFORMATION**

Revision Note

Not applicable

**This safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006****Disclaimer Statement**

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**End of Safety Data Sheet**