

Revision: 27 Apr 2015

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## SAFETY DATA SHEET

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

#### 1.1 Product identifier

- Product Name: 90E
- Product Part Number: 163

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

- Use of the substance/mixture: Cleaning agent

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

- Name of Supplier: Elmer Wallace Limited
- Address of Supplier: 30 Nasmyth Road South, Colquhoun Park. Hillington Park, Glasgow G52 4RE.
- Telephone: 0141 8105530
- Responsible Person: John Darling
- Email: sales@elmerwallace.co.uk

#### 1.4 Emergency telephone number

- Emergency Telephone: Between 9am-5pm 0141 8105530
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### SECTION 2 Hazards identification

#### 2.1 Classification of the substance or mixture

- CLP: Met. Corr. 1, Eye Dam. 1
- CHIP:

#### 2.2 Label elements



- Signal Word: Danger
- Hazard phrases
  - May be corrosive to metals (H290).
  - Causes serious eye damage (H318).
- Precautionary Phrases
  - Wear protective gloves/protective clothing/eye protection/face protection (P280).
  - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing (P305+P351+P338).
  - Immediately call a POISON CENTER or doctor/physician (P310).

#### 2.3 Other hazards

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### SECTION 3 Composition/information on ingredients

#### 3.1 Substances

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**SECTION 3 Composition/information on ingredients (....)**

- NITRIC ACID
    - REACH Registration Number:
    - CAS Number: 7697-37-2
    - EC Number: 231-714-2
    - Symbols: GHS05
    - Concentration: 20% to 30%
    - H Phrases: H290,H314
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**SECTION 4 First aid measures**

## 4.1 Description of first aid measures

- Contact with eyes
  - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing (P305+P351+P338).
- Contact with skin
  - Wash with clean water
  - If skin irritation occurs: Get medical advice/attention (P332+P313).
- Ingestion
  - If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label (S62)
- Inhalation
  - Remove victim to fresh air and keep at rest in a position comfortable for breathing (P340).

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

- Can cause damage to the eyes and skin

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

- IF SWALLOWED: rinse mouth. Do NOT induce vomiting (P301+P330+P331).
  - Immediately call a POISON CENTER or doctor/physician (P310).
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**SECTION 5 Fire-fighting measures**

## 5.1 Extinguishing media

- Not flammable. In case of fire use extinguishing media appropriate to surrounding conditions

## 5.2 Special hazards arising from the substance or mixture

- May give off noxious and toxic fumes in a fire

## 5.3 Advice for firefighters

- Wear Breathing Apparatus
  - Prevent run off water from entering drains if possible
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**SECTION 6 Accidental release measures**

## 6.1 Personal precautions, protective equipment and emergency procedures

- Wear protective clothing as per section 8
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## **SECTION 6 Accidental release measures (....)**

### 6.2 Environmental Precautions

- Avoid release to the environment (P273).
- Do not allow to enter public sewers and watercourses

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

- Absorb spillage to prevent material damage (P390).

### 6.4 Reference to other sections

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## **SECTION 7 Handling and storage**

### 7.1 Precautions for safe handling

- Wear protective clothing as per section 8

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

- Keep only in original container (P234).
- Avoid contact with alkalis (strong bases)

### 7.3 Specific end use(s)

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## **SECTION 8 Exposure controls/personal protection**

### 8.1 Control parameters

- WEL: Work exposure limit
- NITRIC ACID
  - WEL (short term) 2.6 mg/m<sup>3</sup>
  - DNEL (inhalational) Industry long term 1.3 mg/m<sup>3</sup>
  - DNEL (inhalational) Industry short term 2.6 mg/m<sup>3</sup>

### 8.2 Exposure controls

- Engineering measures:
    - Ensure adequate ventilation
  - Eye/face protection:
    - Wear goggles to minimum standard of BS EN 166 1BT.
  - Hand protection:
    - Wear nitrile gloves
  - Skin protection:
    - Wear apron or other light protective clothing
  - Respiratory protection:
    - Wear approved respirator if exposure likely to exceed MEL/OES
  - Other protection:
    - None
  - Environmental exposure controls:
    - Avoid release to the environment (P273).
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## **SECTION 9 Physical and chemical properties**

### 9.1 Information on basic physical and chemical properties

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**SECTION 9 Physical and chemical properties (....)**

- Appearance: Water white liquid
- Odour: Acrid
- pH: pH <2 at 100 % concentration
- Flashpoint: Not applicable
- Flammability: Not applicable
- Upper/lower flammability or explosive limits: Not applicable
- Density: Density 1.139 g/cm<sup>3</sup> at 20 deg C
- Solubility: Soluble in water
- Viscosity: Not applicable

9.2 Other information

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**SECTION 10 Stability and reactivity**

## 10.1 Reactivity

- No hazardous reactions known if used for its intended purpose

## 10.2 Chemical stability

- Considered stable under normal conditions

## 10.3 Possibility of hazardous reactions

- No hazardous reactions known if used for its intended purpose
- In case of fire ,toxic gases [CO,CO<sub>2</sub>,NO<sub>x</sub>] MAY BE FORMED

## 10.4 Conditions to avoid

- Avoid contact with alkalis (strong bases)

## 10.5 Incompatible materials

- May cause rubber to swell

## 10.6 Hazardous Decomposition Products

- No hazardous decomposition products known
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**SECTION 11 Toxicological information**

## 11.1 Information on toxicological effects

- Ingestion:  
May cause gastro-intestinal disturbances
- Serious eye damage/Irritation:  
Causes burns. Risk of corneal damage.
- Skin Corrosion/Irritation:  
May cause redness and irritation
- Inhalation:  
In cases of severe exposure, breathing difficulty may develop
- Other Health Effects  
None
- Toxicological information on ingredients:  
- NITRIC ACID  
LC50 (inhalation, rat) 1.56 mg/l/4h

## SECTION 12 Ecological information

Ecological information on ingredients:

### 12.1 Toxicity

- NITRIC ACID  
LC50 12.5 mg/l (96 hr)

### 12.2 Persistence and degradability

- NITRIC ACID  
Inorganic compound which does not biodegrade

### 12.3 Bioaccumulation Potential

- This product does not contain any substance expected to be bioaccumulating.

### 12.4 Mobility in soil

- miscible with water

### 12.5 Results of PBT and vPvB assessment

- Not a PBT according to REACH Annex XIII

### 12.6 Other Adverse Effects

- Avoid release to the environment (P273).
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## SECTION 13 Disposal considerations

### 13.1 Waste treatment methods

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## SECTION 14 Transport information



### 14.1 UN Number

- UN No.: 3264

### 14.2 UN Proper Shipping Name

- Proper Shipping Name: CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S.

### 14.3 Transport hazard class(es)

- Hazard Class: 8

### 14.4 Packing group

- Packing Group: III

### 14.5 Environmental hazards

### 14.6 Special precautions for user

### 14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC code

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## SECTION 15 Regulatory information

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

- Directive 67/548/EEC, Directive 1999/45/EC.
- Regulation [EC] No 1272/2008
- Any surfactants used in this product complies with the biodegradation criteria as laid down in regulation [EC] No 648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the member states and will be made available to them at their direct request of the detergent manufacturer.

### 15.2 Chemical Safety Assessment

- No chemical safety assessment has been carried out.
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## SECTION 16 Other information

Text not given with phrase codes where they are used elsewhere in this safety data sheet: - H290: May be corrosive to metals. H314: Causes severe skin burns and eye damage.

DNEL: Derived no effect level. PNEC: Predicted no effect concentration.

The information provided on this safety data sheet is correct to our knowledge at the date of this revision.

The information given only describes the products with regard to safety arrangements and is not to be considered as a warranty or quality specification and does not constitute a legal relationship.

The information contained in this safety data sheet relates only to specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in text.