

# Safety Data Sheet

## WELCO PROFESSIONAL STEAM DESCALER

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

- 1.1. Product identifier Welco Professional Steam Descaler
- 1.2. Relevant identified uses of the substance or mixture and uses advised against  
Connect Distribution Services Ltd.
- 1.3. Details of the supplier of the safety data sheet  
McKlords Ltd  
Bodelwyddan Business Park  
Abergele Road, Bodelwyddan, LL18 5SX  
Telephone : 01745 585995  
Telefax : 01745 585755  
E-mail address : enquiries@mcklords.com
- 1.4. Emergency telephone number Mon-Fri (8:30 – 17:00):01745 585995

### 2. Hazards identification.

#### 2.1. Classification of the substance or mixture:

The product is classified as hazardous pursuant to the provisions set forth in Directives 67/548/EEC and 1999/45/EC and/or EC Regulation 1272/2008 (CLP) (and subsequent amendments and supplements). The product requires a safety datasheet that complies with the provisions of EC Regulation 1907/2006 and subsequent amendments. Any additional information concerning the risks for health and/or the environment are given in sections 11 and 12 of this sheet.

#### 2.1.1. Regulation 1272/2008 (CLP) and following amendments and adjustments.

Hazard classification and indication: Skin Irrit. 2 H315/320  
GHS07

#### 2.1.2. Directive 67/548/EEC and following amendments and adjustments.

Hazard classification and indication: Danger Symbols: Xi  
R phrases: 36/38

The full wording of the Risk (R) and hazard (H) phrases is given in section 16 of the sheet.

#### 2.2. Label elements:

(EC) No. 1272/2008

Warning symbols:



Signal Word:

Warning

Hazard Statement/s:

H315/320 Causes skin and eye irritation.

Directive (1999/45/EEC)

Symbol



IRRITANT

Risk Phrase/s:

R36/38 Irritating to the eyes and skin

2.3. Other hazards:

None

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### 3. Composition/information on ingredients.

3.1. Substances.: Information not relevant.

3.2. Mixtures.

Contains:

PHOSPHORIC ACID

CAS	CHIP Classification	CLP Classification	Percent
7664-38-2	Corrosive; C; R34	H314, Skin Corr.1B	1 – 10 %

The full wording of the Risk (R) and hazard (H) phrases is given in section 16 of the sheet.

### 4. First aid measures

4.1. Description of first aid measures

General information

Remove soiled or soaked clothing immediately. Ensure that the First Aid Personnel are aware of the product involved, and take precautions to protect themselves (e.g. wear personal protection equipment).

After inhalation:

In case of accident by inhalation: remove casualty to fresh air and keep at rest. In case of lung irritation, first treatment with dexametason aerosol (spray). If breathing is irregular or stopped, administer artificial respiration. Call a physician immediately

After contact with skin

In case of contact with skin wash off with water.

After contact with eyes

In case of contact with eyes rinse thoroughly with plenty of water and seek medical advice

After ingestion

Call in a physician immediately and show him the Safety Data Sheet.

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

Symptoms:

Irritation to skin and eyes

Hazards:

Skin and eye contact.

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

Treatment

Treat symptomatically.

### 5. Firefighting measures.

5.1. Extinguishing media.

SUITABLE EXTINGUISHING MEDIA

The product is non-flammable. Use extinguishing media appropriate for surrounding fire.

EXTINGUISHING MEDIA WHICH SHALL

NOT BE USED FOR SAFETY REASONS:

None in particular.

5.2. Special hazards arising from the substance or mixture.

HAZARDS CAUSED BY EXPOSURE IN

THE EVENT OF FIRE

The product is non-flammable. Hazards caused by exposure would be for the surrounding fire.

5.3. Advice for fire fighters.

GENERAL INFORMATION

The product is non-flammable. Use extinguishing media appropriate for surrounding fire.

SPECIAL PROTECTIVE EQUIPMENT FOR FIRE-FIGHTERS Wear full protective clothing and breathing apparatus if there is a risk of exposure to smoke or fumes from other source.

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### 6. Accidental release measures

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

Wear suitable personal protective equipment.  
Ensure adequate ventilation.

#### 6.2. Environmental precautions

Contain contaminated water/fire fighting water  
Do not allow entry to drains, water courses or soil

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

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders). Keep in suitable, closed containers for disposal. Clean-up methods - small spillage: Neutralize with chalk, alkali solution or ammonia.

#### 6.4. Reference to other sections

##### Additional information

Small spills should present no problem Information regarding Safe handling, see chapter 7. Information regarding personal protective measures see, chapter 8. Information regarding Waste Disposal, see chapter 13.

### 7. Handling and storage.

7.1. Precautions for safe handling:

Store in closed, labelled containers.

7.2. Conditions for safe storage, including any incompatibilities.

Normal storage conditions without particular incompatibilities.

7.3. Specific end use(s):

Information not available. Refer product label

### 8. Exposure controls/personal protection

#### 8.1. Control parameters

Component: phosphoric acid	CAS-No. 7664-38-2
<b>Derived No Effect Level (DNEL)/Derived Minimal Effect Level (DMEL)</b>	
Workers, Long-term - local effects, Inhalation:	2.92 mg/m <sup>3</sup>
Population, Long-term - local effects, Inhalation:	0.73 mg/m <sup>3</sup>
<b>Other Occupational Exposure Limit Values</b>	
EU ELV, Short Term Exposure Limit (STEL): 2 mg/m <sup>3</sup> Indicative	
EU ELV, Time Weighted Average (TWA): 1 mg/m <sup>3</sup> Indicative	
EH40 WEL, Time Weighted Average (TWA): 1 mg/m <sup>3</sup>	
EH40 WEL, Short Term Exposure Limit (STEL): 2 mg/m <sup>3</sup>	
ELV (IE), Time Weighted Average (TWA): 1 mg/m <sup>3</sup> Indicative OELV	
ELV (IE), Short Term Exposure Limit (STEL): 2 mg/m <sup>3</sup> Indicative OELV	

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### 8.2. Exposure controls.

As the use of adequate technical equipment must always take priority over personal protection equipment, make sure that the workplace is well aired through effective local aspiration or bad air vent.

Ventilation:	No specific recommendation noted except this product must not be used in a confined space without good ventilation. Required, if exposure limit is exceeded (e.g. OEL). Required if vapours or aerosol are released. In case of brief exposure or low pollution use breathing filter apparatus. Combination filter:B-P2
Respirators:	No specific recommendation made as there are no known adverse affects.
Protective Gloves	Chemical resistant gloves required for prolonged or repeated contact.
EYE PROTECTION:	Wear approved safety goggles.
OTHER:	Incompatible with bases. Keep away from food, drink and animal feedingstuffs.

### Environmental exposure controls

General advice :	Do not flush into surface water or sanitary sewer system. If the product contaminates rivers and lakes or drains inform respective authorities. Avoid subsoil penetration. If material reaches soil inform authorities responsible for such cases.
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## 9. Physical and chemical properties

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

Physical state :	liquid
Form :	Liquid
Colour :	Colourless to greenish
Odour :	not specified
pH value :	8-10
Miscibility with water :	Miscible
Solubility/qualitative :	not tested.
Viscosity 20°C :	1.004
Specific gravity 20° C	1.087

9.2. Other information None

## 10. Stability and reactivity.

10.1. Reactivity:	There are no particular risks of reaction with other substances in normal conditions of use.
10.2. Chemical stability:	The product is stable in normal conditions of use and storage.
10.3. Possibility of hazardous reactions:	Exothermic reaction with: Alkali Metals

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- 10.4. Conditions to avoid: None in particular, however the usual precautions used for chemical products should be respected i.e. Strong acids and other chemicals.
- 10.5. Incompatible materials: Metal Substrates.
- 10.6. Hazardous decomposition products: Gives off hydrogen by reaction with metals. In case of fire hazardous decomposition products may be produced such as: oxides of phosphorus, phosphine

### 11. Toxicological information.

If large quantities are ingested, treat symptomatically. Do not induce vomiting. If irritant effects to skin and eyes occur, these will be mild to moderate, depending on exposure. If in contact with eyes, flushing with water is recommended. If contact with skin wash with clean water. If irritation persists over 72 hours seek medical attention.

- 11.1. Information on toxicological effects: Information not available.

### 12. Ecological information.

Use this product according to good working practices. Avoid littering. Inform the competent authorities, should large quantities of the product reach waterways or sewers or contaminate soil or vegetation.

- 12.1. Toxicity.: Information not available.
- 12.2. Persistence and degradability: Information not available.
- 12.3. Bio accumulative potential: Information not available
- 12.4. Mobility: Miscible in water.
- 12.5. Results of PBT and vPvB assessment: Not identified as a PBT and vPvB
- 12.6. Other adverse effects Information not available.

### 13. Disposal considerations

#### 13.1. Waste treatment methods

##### Product

Product should be disposed in accordance with relevant regulations .

### 14. Transport information

#### Section 14.1. to 14.5.

- ADR not restricted
- ADNR not restricted
- RID not restricted
- IATA not restricted
- IMDG not restricted

#### 14.6. Special precautions for user

May be corrosive to metals on prolonged contact. See sections 6 to 8 of this Safety Data Sheet.

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### 15. Regulatory information

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

Other regulations: Apart from the data/regulations specified in this chapter, no further information is available concerning safety, health and environmental protection.

15.2. Chemical safety assessment: No chemical safety assessment has been processed for the mixture.

### 16. Other information

R & H Phrases used in section 3

R 36/38: Irritating to eyes and skin  
R35: Causes Severe Burns  
H314 Causes severe skin burns and eye damage  
H315 Causes skin irritation  
H319 Causes serious eye irritation.  
H290 May be corrosive to metals

Legend

ADN	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
CAS	Chemical Abstracts Service
DMEL	Derived Minimal Effect Level (genotoxic substances)
DNEL	Derived No Effect Level
GHS	Globally Harmonized System
IATA	International Air Transport Association
IMDG	International Maritime Dangerous Goods
MARPOL	International Convention for the Prevention of Pollution From Ships
OEL	Occupational Exposure Limit
PBT	Persistent, Bio accumulative, Toxic
PNEC	Predicted No Effect Concentration
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals
RID	International Rule for Transport of Dangerous Substances by Railway
SVHC	Substances of Very High Concern
vPvB	very Persistent and very Bio accumulative

The data are based on the current state of our knowledge, and are intended to describe the product with regard to the requirements of safety. The data should not be taken to imply any guarantee of a particular or general specification. It is the responsibility of the user of the product to ensure to his satisfaction that the product is suitable for the intended purpose and method of use. We do not accept responsibility for any harm caused by the use of this information. In all cases, our general conditions of sale apply.