

Issued on 03/07/2013 - Rev. # 1 on 26/08/2013 in conformity to Regulation (EC) No 453/2010 of 20 May 2010

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

#### 1.1. Product identification

Product code : CGT-550  
Trades code : 071

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

Pickling and electropolishing - electrolytic fluid, for Stainless Steel metals - for use with electrolytic equipment.  
Industrial uses [SU3] Professional uses [SU22]

Uses advised against  
Do not use for purposes other than those listed

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

Cougartron  
Hesselager 15  
2605 Brøndby  
Denmark

#### 1.4. Emergency telephone number

tel. 0045 43 46 20 10

### SECTION 2. Hazards identification

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

CAS 7664-38-2 CEE 015-011-00-6 EINECS 231-633-2

2.1.1 Classification according to Directive 1999/45/EEC:

Classification:  
C; R34

Nature of special risks attributed:  
R34 - Causes burns.

The product is corrosive and, if brought into contact with the skin, causes burns, could damage the thickness of skin tissue.

#### 2.2. Label elements

Labeling according to Directive (EC) No 1999/45:

Provided symbols:  
C - Corrosive



Attributed risk:  
R34 - Causes burns.

Precautionary statements:

- S9 - Keep container in a well-ventilated place.
- S25 - Avoid contact with eyes.
- S26 - In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
- S36/37/39 - Wear suitable protective clothing, gloves and eye/face protection.
- S45 - In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).
- S60 - This material and its container must be disposed of as hazardous waste.

Issued on 03/07/2013 - Rev. # 1 on 26/08/2013 in conformity to Regulation (EC) No 453/2010 of 20 May 2010

S64 - If swallowed, rinse mouth with water (only if the person is conscious).

Contains:

phosphoric acid ... %

For professional use only

### 2.3. Other hazards

Substance/mixture meets the criteria for PBT/vPvB according to Regulation (EC) No 1907/2006, Annex XIII

No information on other hazards

## SECTION 3. Composition/information on ingredients

### 3.1 Substances

Irrilevant

### 3.2 Mixtures

Refer to paragraph 16 for full text of risk phrases and hazard statements

Substance	Concentration	Classification	Index	CAS	EINECS	REACH
phosphoric acid ... %	> 75 <= 100%	C; R34 Skin Corr. 1B, H314	015-011-00-6	7664-38-2	231-633-2	

## SECTION 4. First aid measures

### 4.1. Description of first aid measures

Inhalation:

Air the area. Move immediately the contaminated patient from the area and keep him at rest in a well ventilated room.  
CALL A PHYSICIAN.

Direct contact with skin (of the pure product):

Take contaminated clothing Immediately off.  
Wash immediately with plenty of running water and possibly with soap, the areas of the body that have, or are only suspected to have, come in contact with the product.  
Consult a physician immediately

Direct contact with eyes (of the pure product):

Wash immediately and thoroughly with running water, keeping eyelids open for at least 10 minutes, then protect your eyes with a dry sterile gauze. Seek medical advice immediately  
Do not use eye drops or ointments of any kind before the examination or advice from an oculist.

Ingestion:

Drink water with egg white; do not give bicarbonate.  
Absolutely do not induce vomiting or emesis. Seek medical advice immediately.

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

No data available.

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

Immediately call a POISON CENTER or doctor/physician.

### SECTION 5. Firefighting measures

#### 5.1. Extinguishing media

Advised extinguishing agents:

Water spray, CO<sub>2</sub>, foam, dry chemical, depending on the materials involved in the fire.

Extinguishing means to avoid:

Water jets. Use water jets only to cool the surfaces of the containers exposed to fire.

#### 5.2. Special hazards arising from the substance or mixture

No data available.

#### 5.3. Advice for firefighters

Use protection for the breathing apparatus

Safety helmet and full protective suit.

The spray water can be used to protect the people involved in the extinction

You may also use selfrespirator, especially when working in confined and poorly ventilated area and if you use halogenated extinguishers (Halon 1211 fluobrene, Solkan 123, NAF, etc...)

Keep containers cool with water spray

### SECTION 6. Accidental release measures

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

6.1.1 For non-emergency personnel:

Leave the area surrounding the spill or release. Do not smoke

Wear mask, gloves and protective clothing.

6.1.2 For emergency responders:

Wear mask, gloves and protective clothing.

Eliminate all unguarded flames and possible sources of ignition. No smoking.

Provision of sufficient ventilation.

Evacuate the danger area and, in case, consult an expert.

#### 6.2. Environmental precautions

Contain spill with earth or sand.

If the product has entered a watercourse in sewers or has contaminated soil or vegetation, notify it to the the authorities.

Discharge the remains in compliance with the regulations

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

6.3.1 For containment:

Rapidly recover the product, wear a mask and protective clothing

Recover the product for reuse, if possible, or for removal. Possibly absorb it with inert material.

Prevent it from entering the sewer system.

6.3.2 For cleaning up:

After wiping up, wash with water the area and materials involved

6.3.3 Other information:

None in particular.

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Issued on 03/07/2013 - Rev. # 1 on 26/08/2013 in conformity to Regulation (EC) No 453/2010 of 20 May 2010

#### 6.4. Reference to other sections

Refer to paragraphs 8 and 13 for more information

### SECTION 7. Handling and storage

#### 7.1. Precautions for safe handling

Avoid contact and inhalation of vapors. See also paragraph 8 below.  
At work do not eat or drink.

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

Keep in original container closed tightly. Do not store in open or unlabeled containers.  
Keep containers upright and safe by avoiding the possibility of falls or collisions.  
Always store in well ventilated areas.  
Store in a cool place, away from sources of heat and direct exposure of sunlight.

#### 7.3. Specific end use(s)

Industrial Manufacturing (all):  
Handle with extreme caution.  
Store in a well ventilated area, away from direct heat sources.

Public domain (administration, education, entertainment, services, craftsmen):  
Handle with care.  
Store in a dry, ventilated place away from sources of heat,  
Keep container tightly closed.

### SECTION 8. Exposure controls/personal protection

#### 8.1. Control parameters

Related to substances:  
Phosphoric acid ... %  
TLV: 1 mg / m<sup>2</sup> as TWA 3 mg / m<sup>2</sup> as STEL (ACGIH 2004).  
MAK: (Inhalable fraction) 2 mg / m<sup>2</sup> Peak limitation category: I (2); Pregnancy risk group: C; (DFG 2005).  
EU OEL: 1 mg/m<sup>3</sup> (8h), 2 mg/m<sup>3</sup> (short-term).

#### 8.2. Exposure controls

Appropriate engineering controls:  
Industrial Manufacturing (all):  
No specific control expected



Public domain (administration, education, entertainment, services, craftsmen):  
No specific control expected

Individual protection measures:

(a) Eye / face protection  
When handling the pure product use safety glasses (spectacles cage) (EN 166).

(b) Skin protection

(i) Hand protection  
When handling the pure product use chemical resistant protective gloves (EN 374-1/EN374-2/EN374-3)

Issued on 03/07/2013 - Rev. # 1 on 26/08/2013 in conformity to Regulation (EC) No 453/2010 of 20 May 2010

(ii) Other

When handling the pure product wear full protective skin clothing.

(c) Respiratory protection

Not needed for normal use.

(d) Thermal hazards

No hazard to report

Environmental exposure controls:

Use according to good working practices to avoid pollution into the environment.

## SECTION 9. Physical and chemical properties

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

Physical and chemical properties	Value	Determination method
Appearance	liquid	
Odour	odorless	
Odour threshold	not determined	
pH	acido	
Melting point/freezing point	not determined	
Initial boiling point and boiling range	not determined	
Flash point	nonflammable	
Evaporation rate	not determined	
Flammability (solid, gas)	irrelevant	
Upper/lower flammability or explosive limits	irrelevant	
Vapour pressure	not determined	
Vapour density	not determined	
Relative density	1,57±0,1 g/cc a 20°C	
Solubility	in water	
Water solubility	totaly	
Partition coefficient: n-octanol/water	not determined	
Auto-ignition temperature	irrelevant	
Decomposition temperature	not determined	
Viscosity	not determined	
Explosive properties	irrelevant	
Oxidising properties	irrelevant	

### 9.2. Other information

No data available.

## SECTION 10. Stability and reactivity

### 10.1. Reactivity

No reactivity hazards

Issued on 03/07/2013 - Rev. # 1 on 26/08/2013 in conformity to Regulation (EC) No 453/2010 of 20 May 2010

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### 10.2. Chemical stability

No hazardous reaction when handled and stored according to provisions.

### 10.3. Possibility of hazardous reactions

There are no hazardous reactions

### 10.4. Conditions to avoid

Store in cool, dry, well ventilated

### 10.5. Incompatible materials

Avoid contact with bases, oxidizing agents and active metals

### 10.6. Hazardous decomposition products

Does not decompose when used for intended uses.

## SECTION 11. Toxicological information

### 11.1. Information on toxicological effects

- (a) acute toxicity: not applicable
- (b) irritation: not applicable
- (c) corrosivity: The product is corrosive and, if brought into contact with skin, causes burns, destroying the whole thickness of skin tissue.
- (d) sensitisation: not applicable
- (e) repeated dose toxicity;: not applicable
- (f) carcinogenicity: not applicable
- (g) mutagenicity: not applicable
- (h) toxicity for reproduction: not applicable

Related to substances:

Phosphoric acid ... %

ROUTES OF EXPOSURE: The substance can be absorbed into the body by inhalation of its aerosol and by ingestion.

INHALATION RISK: A harmful contamination of the air will not be achieved at all or it will be very slowly on evaporation of this substance at 20 ° C.

EFFECTS OF SHORT-TERM EXPOSURE: The substance 'corrosive to the eyes, the skin and the respiratory tract.  
Corrosive on ingestion.

ACUTE HAZARDS / SYMPTOMS:

Inhalation: burning sensation. Cough. Shortness of breath. Sore throat.

SKIN: Redness. Pain. Skin burns. Blisters.

EYES: Pain. Redness. Severe deep burns.

INGESTION: Abdominal pain. Burning sensation. Shock or collapse.

Acute toxicity: LD50 oral (rat): 1530mg/Kg (anhydrous product)

## SECTION 12. Ecological information

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Issued on 03/07/2013 - Rev. # 1 on 26/08/2013 in conformity to Regulation (EC) No 453/2010 of 20 May 2010

### 12.1. Toxicity

Related to substances:

Phosphoric acid ... %

ENVIRONMENTAL EFFECTS: acidic, nutrient of undesirable algae.

ECOTOXICITY ':

Mosquitofish TLm 138 mg / l 24/26 hours in the water turbid 22-24 °

Persistence: while the acidity can be neutralized by natural water hardness, the phosphate may persist indefinitely.

Bioaccumulative potential: zero.

Use according to good working practices to avoid pollution into the environment.

### 12.2. Persistence and degradability

No data available.

### 12.3. Bioaccumulative potential

No data available.

### 12.4. Mobility in soil

No data available.

### 12.5. Results of PBT and vPvB assessment

Substance/mixture meets the criteria for PBT/vPvB according to Regulation (EC) No 1907/2006, Annex XIII

### 12.6. Other adverse effects

No adverse effects

## SECTION 13. Disposal considerations

### 13.1. Waste treatment methods

Do not reuse empty containers. Dispose of them in accordance with the regulations in force. Any remaining product should be disposed of according to applicable regulations by addressing to authorized companies.

Recover if possible. Send to authorized discharge plants or for incineration under controlled conditions. Operate according to local and National rules in force

## SECTION 14. Transport information

### 14.1. UN number

1805

If subject to the following characteristics is ADR exempt:

Combination packagings: per inner packaging 5 L per package 30 Kg

Inner packagings placed in skrink-wrapped or stretch-wrapped trays: per inner packaging 5 L per package 20 Kg



### 14.2. UN proper shipping name

PHOSPHORIC ACID, SOLUTION

### 14.3. Transport hazard class(es)

Class : 8

Label : 8

Issued on 03/07/2013 - Rev. # 1 on 26/08/2013 in conformity to Regulation (EC) No 453/2010 of 20 May 2010

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Tunnel restriction code : E  
Limited quantities : 5 L  
EmS : F-A, S-B

#### 14.4. Packing group

III

#### 14.5. Environmental hazards

Product is not environmentally hazardous  
Marine polluting agent : Not

#### 14.6. Special precautions for user

No data available.

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

It is not intended to carry bulk

### SECTION 15. Regulatory information

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

No data available.

#### 15.2. Chemical safety assessment

No chemical safety assessment was carried out by the supplier

### SECTION 16. Other information

#### 16.1. Other information

Description of the sentences of risk set out in paragraph 3  
R34 = Causes burns.

Description of the hazard statements exposed to point 3  
H314 = Causes severe skin burns and eye damage.

Classification based on data of all mixture components

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