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C : Corrosive



8 : Corrosive substance.

**Danger**



**Producer**

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

**1.1. Product identifier**

Identification of the product : Liquid.  
 Trade name : TORNAX-S  
 Type of product : Acidic cleaner.

**1.2. Other**

Use : Industrial. See product bulletin for detailed information.

**1.3. - Company**

Company identification : CID LINES NV  
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**1.4. Emergency telephone number**

+ 32 70 245 245

**SECTION 2. Hazards identification**

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

**Classification EC 67/548 or EC 1999/45**

: C; R34

**Hazard Class and Category Code Regulation EC 1272/2008 (CLP)**


• Health hazards : Skin corrosion - Category 1B - Danger (CLP : Skin Corr. 1B)  
 Serious eye damage - Category 1 - Danger (CLP : Eye Dam. 1)

**2.2. Label elements**

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### SECTION 2. Hazards identification (continued)

#### Labelling EC 67/548 or EC 1999/45

• Symbol(s)



: C: Corrosive.

• R Phrase(s)

: R34 : Causes burns.

• S Phrase(s)

: S26 : In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S28 : After contact with skin, wash immediately with plenty of water

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 when possible).

#### Labelling Regulation EC 1272/2008 (CLP)

• Hazard pictograms



• Hazard pictograms code

: SGH05

• Signal words

: Danger

• Hazard statements

: H314 : Causes severe skin burns and eye damage.

• Pictograms (Precautionary statements)



• Precautionary statements

- Prevention

: P280 : Wear protective gloves/protective clothing/eye protection/face protection.  
P260 : Do not breathe dust/fume/gas/mist/vapours/spray.

- Response

: P303: IF ON SKIN (or hair) : Remove immediately all contaminated clothing. Wash with plenty of soap and water.

P304+P340: IF INHALED : Remove to fresh air and keep at rest in a position comfortable for breathing. Immediately call a POISON CENTER or doctor. Specific treatment is urgent.

P305: IF IN EYES : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor. Specific treatment.

P301+P330+P331+P310+P321: IF SWALLOWED : Rinse mouth. Do NOT induce vomiting. Immediately call a POISON CENTER or doctor. Specific treatment.


### 2.3. Other hazards

None under normal conditions.

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### SECTION 3. Composition/information on ingredients

Substance / Preparation	: Preparation.					
Substance name	Contents	CAS No	EC No	Index No	REACH	Classification
Phosphoric acid	20 - 40 %	7664-38-2	231-633-2	015-011-00-6	-----	C; R34 ----- Skin Corr. 1B Eye Dam 1
Non ionic surfactant - alcohol C10 ethoxylate	5 - 15 %	160875-66-1	-----	-----	-----	Xn; R22 Xi; R41 ----- Eye Dam 1 Acute Tox. 4 (oral)
2-(2-butoxyethoxy)ethanol	1 - 5 %	112-34-5	203-961-6	603-096-00-8	-----	Xi; R36 ----- Eye irrit 2
[[[(phosphonomethyl)imino]bis[(ethylenitrilo)bis(methylene)]]] tetrakisphosphonic	1 - 5 %	22042-96-2	244-751-4	-----	-----	Xi; R36/38 ----- Eye irrit 2 Skin Irrit. 2

### SECTION 4. First aid measures

#### 4.1. Description of first aid measures

##### First aid

- Inhalation : Remove victim to fresh air. Allow the victim to rest. Obtain medical attention if breathing difficulty persists.
- Skin contact : Remove contaminated clothing and shoes. Flush with plenty of water. Seek medical attention if ill effect or irritation develops.
- Eye contact : Rinse immediately with plenty of water. (Keep a bottle of water at hand). Seek medical attention immediately.
- Ingestion : Rinse mouth. DO NOT INDUCE VOMITING. If swallowed seek medical advice immediately and show this container or label.

#### 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

No data available.

### SECTION 5. Fire-fighting measures

#### 5.1. Extinguishing media

Extinguishing media : Carbon dioxide. Dry chemical. Foam. Water spray. Do not use a heavy water stream.

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

No data available.

#### 5.3. Advice for fire-fighters

- Flammable class : Not flammable.
- Protection against fire : Wear proper protective equipment.
- Special procedures : Exercise caution when fighting any chemical fire.


### SECTION 6. Accidental release measures

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

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### SECTION 6. Accidental release measures (continued)

**Personal precautions** : Spill should be handled by trained cleaning personnel properly equipped with respiratory and eye protection.

#### 6.2. Environmental precautions

**Environmental precautions** : Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

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

**After spillage and/or leakage** : Clean up any spills as soon as possible, using an absorbent material to collect it. Use suitable disposal containers. Dilute residues and flush.

#### 6.4. Reference to other sections

No data available.

### SECTION 7. Handling and storage

#### 7.1. Precautions for safe handling

**Handling** : Handle in accordance with good industrial hygiene and safety procedures. Ensure prompt removal from eyes, skin and clothing. Wash hands and other exposed areas with mild soap and water before eat, drink or smoke and when leaving work.

**Precautions in handling and storage** : Avoid all unnecessary exposure.

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

**Storage** : Protect from freezing. Keep at temperature not exceeding 50°C Keep container closed when not in use.

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

No data available.

### SECTION 8. Exposure controls/personal protection

#### 8.1. Control parameters

##### Personal protection

- **Respiratory protection** : No special respiratory protection equipment is recommended under normal conditions of use with adequate ventilation.
- **Skin protection** : If skin contact or contamination of clothing is likely, protective clothing should be worn.
- **Eye protection** : Eye protection should only be necessary where liquid could be splashed or sprayed.
- **Hand protection** : Gloves.
- **Ingestion** : Ingestion unlikely.
- Industrial hygiene** : Provide local exhaust or general room ventilation.

#### 8.2. Occupational Exposure Limits

Acetic acid : TLV© -TWA [mg/m<sup>3</sup>] : 25

Acetic acid : TLV© -TWA [ppm] : 10


### 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 (continued)

#### • Appearance

Physical state : Liquid.  
 Colour : Colourless to light yellow.

#### • Odour

Odour : Acidic.

#### • pH

pH value in distilled water : 2.2 (1%)  
 Freezing point [°C] : <-20°C  
 Initial boiling point : 100  
 Flash point [°C] : Not applicable.

#### • Relative density

Density : 1.22

#### • Solubility

Solubility in water : Complete.  
 Auto-ignition temperature [°C] : Not applicable.

#### 9.2. Other information

No data available.

### SECTION 10. Stability and reactivity

#### 10.1. Reactivity

No data available.

#### 10.2. Chemical stability

No data available.

#### 10.3. Possibility of hazardous reactions

Hazardous properties : None under normal conditions.

#### 10.4. Conditions to avoid

No data available.

#### 10.5. Incompatible materials

Materials to avoid : Avoid contact with : Strong alkalis.

#### 10.6. Hazardous decomposition products

Hazardous decomposition products : None under normal conditions.

### SECTION 11. Toxicological information


#### 11.1. Information on toxicological effects

Acute toxicity : Corrosive to eyes and skin.  
 Rat oral LD50 [mg/kg] : >2000  
 Rabbit dermal LD50 [mg/kg] : No data available.  
 Rat inhalation LC50 [mg/l/4h] : No data available.

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### SECTION 12. Ecological information

#### 12.1. Toxicity

No data available.

#### 12.2. Persistence - degradability

##### **Biodegradation [%]**

: Readily biodegradable. >60% BOD, 28 days, Closed Bottle Test (OECD). The surfactant(s) contained in this preparation complies with the biodegradability 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 or at the request of a detergent-manufacturer.

#### 12.3. Bioaccumulative potential

No data available.

#### 12.4. Mobility in soil

No data available.

#### 12.5. Results of PBT and vPvB assessment

No data available.

#### 12.6. Other adverse effects

**WGK class (Germany)** : 1

### SECTION 13. Disposal considerations

#### 13.1. Waste treatment methods

##### **Disposal**

: Dispose of this material and its container at hazardous or special waste collection point. Dispose in a safe manner in accordance with local/national regulations.

### SECTION 14. Transport information

#### 14.1. UN Number

##### **General information**

- UN No. : 3264

#### 14.2. Proper shipping name

- Proper shipping name : 3264 CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S. (Phosphoric acid), 8, III, ADR

#### 14.3. Transport Hazard Classification

##### **19 Hazard Label(s)**



: 8

##### **Land transport**

- ADR/RID : Class : 8  
Group : III


- H.I. nr : 80

- ADR Class : 8

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#### SECTION 14. Transport information (continued)

##### Sea transport

- IMO-IMDG code : Class 8

IMO Packing group : III

##### Air transport

- ICAO/IATA : Packaging instructions cargo :  
Packaging instructions passenger:

- IATA - Class or division : 8

IATA Packing group : III

##### 14.4. Packing group

- ADR Packing group : III

##### 14.5. Environmental hazards

In case of spillage and/or leakage : Clean up even minor leaks or spills if possible without unnecessary risk.

##### 14.6. Special precautions for user

**Personal precautions** : The driver shall not attempt to deal with any fire of the load.

No naked lights. No smoking.

Keep public away from danger area.

NOTIFY POLICE AND FIRE BRIGADE IMMEDIATELY.

##### **Additional information**

##### 14.7. Bulk transport - annex II Marpol 73/78 - IBC

Not classified.

#### SECTION 15. Regulatory information

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

Ensure all national/local regulations are observed.

##### 15.2. Chemical Safety Assessment

No data available.

#### SECTION 16. Other information

**List of relevant R phrases (heading 3)** : R22 : Harmful if swallowed.  
R34 : Causes burns.  
R36 : Irritating to eyes.  
R36/38 : Irritating to eyes and skin.  
R41 : Risk of serious damage to eyes.

**List of relevant symbols (heading 3)** : C: Corrosive.  
Irritant.  
Harmful.

**Further information** : None.


The contents and format of this SDS are in accordance with EEC Commission "REACH" Regulation, EC 1907/2006

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