

SECTION 1: Product and Company identification

1.1. Product identifier

Product form : Liquid
Product name : Pho Cid
Product code : D42

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

1.2.1. Relevant identified uses

Main use category : industrial
Use of the substance/mixture : See product bulletin for detailed information.
Function or use category : Acidic cleaner.

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

CID LINES NV
Waterpoortstraat, 2
B-8900 Ieper - Belgique
T + 32 57 21 78 77 - F +32 57 21 78 79
sds@cidlines.com - <http://www.cidlines.com>

1.4. Emergency telephone number

Country	Organisation/Company	Address	Emergency number
BELGIUM	Centre Anti-Poisons/Antigifcentrum c/o Hôpital Central de la Base - Reine Astrid	Rue Bruyn B -1120 Brussels	+32 70 245 245
CANADA	CANUTEC		(613) 996-6666
FINLAND	Poison Information Centre	P.O.B 790 (Tukholmankatu 17) HUS SF - 00029 Helsinki	+358 9 471 977
Ísland	Eitrunarmiðstöð Landspítali	Fossvogi 108 Reykjavik	+354 543 22 22
NETHERLANDS	Nationaal Vergiftigingen Informatie Centrum Uitsluitend bestemd om artsen te informeren bij accidentele vergiftigingen	Huispostnummer B.00.118, PO Box 85500 3508 GA Utrecht	+31 30 274 88 88
SWITZERLAND	Centre Suisse d'Information Toxicologique Swiss Toxicological Information Centre	Freiestrasse 16 Postfach CH-8028 Zurich	+41 44 251 51 51 (International) 145 (National)
UNITED KINGDOM	Guy's & St Thomas' Poisons Unit Medical Toxicology Unit, Guy's & St Thomas' Hospital Trust	Avonley Road SE14 5ER London	0870 243 2241
USA	American Association of Poison Control Centers		1-800-222-1222
Worldwide	www.who.int/ipcs/poisons/centre/directory/en		
Ελλάδα	Poisons Information Centre Children's Hospital "Agliaia, Kyriakou"	11527 Athens	+30 10 779 3777

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Labelling according to OSHA 29 CFR 1910.1200

Skin Corr. 1A H314

Full text of H-phrases: see section 16

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

Labelling according to OSHA 29 CFR 1910.1200

Hazard pictograms (CLP) :



GHS05

Signal word (CLP) : Danger

Pho Cid

Safety Data Sheet

According to OSHA 29 CFR 1910.1200

Hazard statements (CLP)	: H314 - Causes severe skin burns and eye damage
Precautionary statements (CLP)	: P280 - Wear protective gloves/protective clothing/eye protection/face protection P260 - Do not breathe dust/fume/gas/mist/vapours/spray P303 - IF ON SKIN (or hair): Remove immediately all contaminated clothing. Wash with plenty of soap and water. 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/physician Specific treatment. P301+P330+P331+P310+P321 - IF SWALLOWED Rinse mouth Do NOT induce vomiting Immediately call a POISON CENTER or doctor/physician Specific treatment.

2.3. Other hazards

No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable

3.2. Mixture

Name	Product identifier	%	Classification
Phosphoric acid	(CAS No) 7664-38-2 (EC no) 231-633-2 (EC index no) 15-011-00-6 (REACH-no) 01-2119485924-24	< 30	Met. Corr. 1, H290 Skin Corr. 1B, H314
Sulphuric acid	(CAS No) 7664-93-9 (EC no) 231-639-5 (EC index no) 16-020-00-8 (REACH-no) 01-2119458838-20	5 - 15	Skin Corr. 1A, H314

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures after inhalation	: Assure fresh air breathing. Allow the victim to rest. Seek medical attention immediately.
First-aid measures after skin contact	: Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse. Seek medical advice.
First-aid measures after eye contact	: Rinse immediately with plenty of water. Seek medical attention immediately.
First-aid measures after ingestion	: Rinse mouth. Do not induce vomiting because of corrosive effects. Take to hospital.

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

No additional information available

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

No additional information available

SECTION 5: Firefighting measures

5.1. Extinguishing media

No additional information available

5.2. Special hazards arising from the substance or mixture

Reactivity : Thermal decomposition generates :Corrosive vapours.

5.3. Advice for firefighters

Precautionary measures fire	: Exercise caution when fighting any chemical fire.
Firefighting instructions	: Use water spray or fog for cooling exposed containers.
Protection during firefighting	: Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures : Spill should be handled by trained cleaning personnel properly equipped with respiratory and eye protection.

6.1.1. For non-emergency personnel

No additional information available

6.1.2. For emergency responders

No additional information available

6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if product enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Collect spills and put it into appropriated container.

Pho Cid

Safety Data Sheet

According to OSHA 29 CFR 1910.1200

6.4. Reference to other sections

No additional information available

SECTION 7: Handling and storage

7.1. Precautions for safe handling

- Precautions for safe handling : Ensure prompt removal from eyes, skin and clothing. Both local exhaust and general room ventilation are usually required. Avoid all unnecessary exposure.
- Hygiene measures : Keep away from food, drink and animal feeding stuffs. Wash hands and other exposed areas with mild soap and water before eat, drink or smoke and when leaving work.

7.2. Conditions for safe storage, including any incompatibilities

- Storage conditions : Keep only in the original container in a cool, well ventilated place. Keep container closed when not in use. Do not store in corrodable metal.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Pho Cid		
Denmark	Grænseværdie (ceiling) (ppm)	Grænseværdie (ceiling) (ppm)
Denmark	Grænseværdie (ceiling) (mg/m ³)	Grænseværdie (ceiling) (mg/m ³)
Phosphoric acid (7664-38-2)		
EU	IOELV TWA (mg/m ³)	1 mg/m ³
EU	IOELV STEL (mg/m ³)	2 mg/m ³
Belgium	Limit value (mg/m ³)	1 mg/m ³
Belgium	Short time value (mg/m ³)	2 mg/m ³
Finland	HTP-arvo (8h) (mg/m ³)	1 mg/m ³
Finland	HTP-arvo (15 min)	2 mg/m ³
France	VME (mg/m ³)	1 mg/m ³
France	VME (ppm)	0,2 ppm
France	VLE (mg/m ³)	2 mg/m ³
France	VLE (ppm)	0,5 ppm
Germany	TRGS 900 Occupational exposure limit value (mg/m ³)	2 mg/m ³
Germany	TRGS 900 Limitation of exposure peaks (mg/m ³)	4 mg/m ³
Germany	Remark (TRGS 900)	(gemessen als einatembare Fraktion)
Netherlands	Grenswaarde TGG 8H (mg/m ³)	1 mg/m ³
Netherlands	Grenswaarde TGG 8H (ppm)	0,2 ppm
Netherlands	Grenswaarde TGG 15MIN (mg/m ³)	2 mg/m ³
Netherlands	Grenswaarde TGG 15MIN (ppm)	0,5 ppm
Sulphuric acid (7664-93-9)		
EU	Local name	Sulphuric acid (mist)
EU	IOELV TWA (mg/m ³)	0,05 mg/m ³
Belgium	Local name	Acide sulfurique
Belgium	Limit value (mg/m ³)	1 mg/m ³
Belgium	Short time value (mg/m ³)	3 mg/m ³
Finland	HTP-arvo (8h) (mg/m ³)	0,05 mg/m ³
Finland	HTP-arvo (15 min)	0,1 mg/m ³
Finland	Huomautus (FI)	(Torakaalijae)
Germany	Local name	Schwefelsäure
Germany	TRGS 900 Occupational exposure limit value (mg/m ³)	0,1 mg/m ³
Germany	Remark (TRGS 900)	DFG, EU, Y
United Kingdom	Local name	Sulphuric acid (mist)
United Kingdom	WEL TWA (mg/m ³)	0,05 mg/m ³
United Kingdom	Remark (WEL)	The mist is defined as the thoracic fraction

Phosphoric acid (7664-38-2)

DNEL/DMEL (Workers)

Acute - local effects, inhalation	2 mg/m ³
Long-term - local effects, inhalation	1 mg/m ³

Pho Cid

Safety Data Sheet

According to OSHA 29 CFR 1910.1200

Phosphoric acid (7664-38-2)	
DNEL/DMEL (General population)	
Long-term - local effects, inhalation	0,73 mg/m ³
Sulphuric acid (7664-93-9)	
DNEL/DMEL (Workers)	
Acute - local effects, inhalation	0,1 mg/m ³
Long-term - local effects, inhalation	0,05 mg/m ³
PNEC (Water)	
PNEC aqua (freshwater)	0,0025 mg/l Assessment factor: 10
PNEC aqua (marine water)	0,00025 mg/l
PNEC (Sediment)	
PNEC sediment (freshwater)	0,002 mg/kg dwt
PNEC sediment (marine water)	0,002 mg/kg dwt
PNEC (STP)	
PNEC sewage treatment plant	8,8 mg/l Assessment factor: 10

8.2. Exposure controls

Hand protection	: Wear suitable gloves resistant to chemical penetration.
Eye protection	: Chemical goggles or face shield with safety glasses.
Skin and body protection	: Wear suitable protective clothing.
Respiratory protection	: Approved dust or mist respirator should be used if airborne particles are generated when handling this material.



Other information : When using, do not eat, drink or smoke. Provide local exhaust or general room ventilation.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Colour	: colourless.
Odour	: Characteristic.
Odour threshold	: No data available
pH	: ca 2 (1%)
Relative evaporation rate (butyl acetate=1)	: No data available
Melting point	: No data available
Freezing point	: -10 °C
Boiling point	: 100 °C
Flash point	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: No data available
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: ca 1,22
Solubility	: Water: 100 %
Log Pow	: No data available
Log Kow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available

9.2. Other information

No additional information available

Pho Cid

Safety Data Sheet

According to OSHA 29 CFR 1910.1200

SECTION 10: Stability and reactivity

10.1. Reactivity

Thermal decomposition generates :Corrosive vapours.

10.2. Chemical stability

No additional information available

10.3. Possibility of hazardous reactions

No additional information available

10.4. Conditions to avoid

No additional information available

10.5. Incompatible materials

Avoid contact with :Strong alkalis.

10.6. Hazardous decomposition products

Thermal decomposition generates :Corrosive vapours.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity : Corrosive.

Sulphuric acid (7664-93-9)

LD50 oral rat 2140 mg/kg

LC50 inhalation rat (mg/l) 0,51 g/m³

Skin corrosion/irritation : Causes severe skin burns and eye damage.

pH: ca 2 (1%)

Serious eye damage/irritation : Serious eye damage, category 1, implicit

pH: ca 2 (1%)

Respiratory or skin sensitisation : Corrosive.

Germ cell mutagenicity : No data available.

Carcinogenicity : No data available.

Reproductive toxicity : No data available.

Specific target organ toxicity (single exposure) : No data available.

Specific target organ toxicity (repeated exposure) : No data available.

Aspiration hazard : No data available.

SECTION 12: Ecological information

12.1. Toxicity

Sulphuric acid (7664-93-9)

LC50 other aquatic organisms 1 96h 10 - 100 mg/l Algae

EC50 Daphnia 1 48h

EC50 other aquatic organisms 1 80 - 90 mg/l Reje

12.2. Persistence and degradability

Pho Cid

Persistence and degradability 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 additional information available

12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

No additional information available

Pho Cid

Safety Data Sheet

According to OSHA 29 CFR 1910.1200

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Regional legislation (waste) : Dispose in a safe manner in accordance with local/national regulations.

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

14.1. UN number

UN-No. (ADR) : 3264

14.2. UN proper shipping name

Proper Shipping Name (ADR) : CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S.

Transport document description (ADR) : UN 3264 CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S. (Phosphoric acid), 8, III, (E)

14.3. Transport hazard class(es)

Class (ADR) : 8

Danger labels (ADR) : 8



14.4. Packing group

Packing group (UN) : III

14.5. Environmental hazards

Other information : Clean up even minor leaks or spills if possible without unnecessary risk.

14.6. Special precautions for user

Special transport 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.

14.6.1. Overland transport

Hazard identification number (Kemler No.) : 80

Classification code (ADR) : C1

Orange plates :



Tunnel restriction code (ADR) : E

LQ : LQ07

Excepted quantities (ADR) : E1

14.6.2. Transport by sea

Ship Safety Act : Corrosive substances

Port Regulation Law : Corrosive substances

MFAG-No : 154

14.6.3. Air transport

Instruction "cargo" (ICAO) : Packaging instructions cargo : 820

Instruction "passenger" (ICAO) : Packaging instructions passenger: 818

Civil Aeronautics Law : Corrosive substances

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

Not applicable

SECTION 15: Regulatory information

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

15.1.1. EU-Regulations

Contains no substances with Annex XVII restrictions

Pho Cid is not on the REACH Candidate List

Contains no substance on the REACH candidate list

Contains no REACH Annex XIV substances

Other information, restriction and prohibition regulations : Ensure all national/local regulations are observed.

Pho Cid

Safety Data Sheet

According to OSHA 29 CFR 1910.1200

15.1.2. National regulations

Water hazard class (WGK) : 1 - slightly hazardous to water

15.2. Chemical safety assessment

No additional information available

SECTION 16: Other information

Full text of R-, H- and EUH-phrases:

Met. Corr. 1	Corrosive to metals, Category 1
Skin Corr. 1A	Skin corrosion/irritation, Category 1A
Skin Corr. 1B	Skin corrosion/irritation, Category 1B
H290	May be corrosive to metals
H314	Causes severe skin burns and eye damage
R34	Causes burns
R35	Causes severe burns
C	Corrosive

SDS_U

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product