



# E.P.G.C.- REACID 1

## Safety Data Sheet

according to Regulation (EC) No. 453/2010

Date of issue: 24/11/2015

Revision date: 24/11/2015

Supersedes: 07/01/2014

Version: 2.1

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

### 1.1. Product identifier

Product form : Mixture  
Product name : E.P.G.C.- REACID 1  
Product code : LIQ0921  
Type of product : Detergent

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

#### 1.2.1. Relevant identified uses

Main use category : Professional use

#### 1.2.2. Uses advised against

No additional information available

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

E.P.G.C.  
13, Rue des Forts  
59960 Neuville-en-Ferrain - France  
T 0033 3 20 25 06 21  
[info@epgc.com](mailto:info@epgc.com) - [www.epgc.com](http://www.epgc.com)

### 1.4. Emergency telephone number

Emergency number : INRS/ORFILA (France) : 33 1 45 42 59 59

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

#### Classification according to Regulation (EC) No. 1272/2008 [CLP]

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 Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms (CLP) :



GHS05

Signal word (CLP) : Danger  
Hazardous ingredients : phosphoric acid  
Hazard statements (CLP) : H314 - Causes severe skin burns and eye damage  
Precautionary statements (CLP) : P260 - Do not breathe spray, vapours, mist  
P280 - Wear protective gloves, protective clothing, eye protection, face protection  
P301+P330+P331 - IF SWALLOWED: rinse mouth. Do NOT induce vomiting  
P303+P361+P353 - IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower  
P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing  
P310 - Immediately call a POISON CENTER or doctor/physician

### 2.3. Other hazards

No additional information available

## SECTION 3: Composition/information on ingredients

### 3.1. Substance

Not applicable

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### 3.2. Mixture

Name	Product identifier	%	Classification according to Directive 67/548/EEC
phosphoric acid	(CAS No) 7664-38-2 (EC no) 231-633-2 (EC index no) 015-011-00-6 (REACH-no) 01-2119485924-24	> 30	C; R34
2-methoxymethylethoxypropanol substance with a Community workplace exposure limit	(CAS No) 34590-94-8 (EC no) 252-104-2 (REACH-no) 01-2119450011-60	7,36	Not classified
Name	Product identifier	Specific concentration limits	
phosphoric acid	(CAS No) 7664-38-2 (EC no) 231-633-2 (EC index no) 015-011-00-6 (REACH-no) 01-2119485924-24	(10 =< C < 25) Xi;R36/38 (C >= 25) C;R34	
Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
phosphoric acid	(CAS No) 7664-38-2 (EC no) 231-633-2 (EC index no) 015-011-00-6 (REACH-no) 01-2119485924-24	> 30	Skin Corr. 1B, H314
2-methoxymethylethoxypropanol substance with a Community workplace exposure limit	(CAS No) 34590-94-8 (EC no) 252-104-2 (REACH-no) 01-2119450011-60	7,36	Not classified
Name	Product identifier	Specific concentration limits	
phosphoric acid	(CAS No) 7664-38-2 (EC no) 231-633-2 (EC index no) 015-011-00-6 (REACH-no) 01-2119485924-24	(10 =< C < 25) Eye Irrit. 2, H319 (10 =< C < 25) Skin Irrit. 2, H315 (C >= 25) Skin Corr. 1B, H314	

Full text of R- and H-phrases: see section 16

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

First-aid measures general	: If on skin, take off contaminated clothing. If you feel unwell, seek medical advice (show the label where possible).
First-aid measures after inhalation	: Remove victim to fresh air. Assure fresh air breathing.
First-aid measures after skin contact	: Wash with plenty of soap and water. Rinse immediately contaminated clothing and skin with plenty of water before removing clothes.
First-aid measures after eye contact	: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists, take medical advice.
First-aid measures after ingestion	: Rinse mouth. Immediately give plenty of water.

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

Symptoms/injuries after inhalation	: Cough. Sore throat.
Symptoms/injuries after skin contact	: Redness, pain. Burns.
Symptoms/injuries after eye contact	: May cause severe irritation. Burns.
Symptoms/injuries after ingestion	: Irritation of the linings of the mouth, throat, and gastrointestinal tract.

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

Treat symptomatically.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

Suitable extinguishing media	: Alcohol resistant foam. Carbon dioxide. Water spray. Dry powder.
Unsuitable extinguishing media	: Do not use extinguishing media containing water.

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

Fire hazard	: Toxic and corrosive vapours are released.
Explosion hazard	: Product is not explosive.
Hazardous decomposition products in case of fire	: On heating/burning: release of toxic and corrosive gases/vapours (phosphorus oxides).

### 5.3. Advice for firefighters

Precautionary measures fire	: Self-contained breathing apparatus when in close proximity to fire.
Firefighting instructions	: Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment. Use water spray or fog for cooling exposed containers.
Protection during firefighting	: Do not enter fire area without proper protective equipment, including respiratory protection.

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### SECTION 6: Accidental release measures

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

General measures : Ensure adequate ventilation.

##### 6.1.1. For non-emergency personnel

Protective equipment : Personal protection. See Heading 8.2.

Emergency procedures : Avoid all contact with skin, eyes, or clothing. Evacuate area.

##### 6.1.2. For emergency responders

Protective equipment : Avoid breathing dust/fume/gas/mist/vapours/spray. Equip cleanup crew with proper protection. See Heading 8.2.

Emergency procedures : Stop leak if safe to do so. Mark out the contaminated area with signs and prevent access to unauthorized personnel. Evacuate unnecessary personnel.

#### 6.2. Environmental precautions

Avoid release to the environment. Prevent entry to sewers and public waters.

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

For containment : Dike the product for recovery.

Methods for cleaning up : Absorb spillage to prevent material damage. Take up liquid spill into inert absorbent material, e.g.: sand, earth, vermiculite or kieselguhr. Use non-corrodable disposal containers. Rinse with plenty of water.

Other information : Never return spills in original containers for possible later re-use. Use suitable disposal containers.

#### 6.4. Reference to other sections

See Heading 8.

### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

Additional hazards when processed : Ensure adequate ventilation.

Precautions for safe handling : Do not eat, drink or smoke when using this product. Do not get in eyes, on skin, or on clothing. Use personal protective equipment as required. Do not breathe gas/fumes/vapour/spray.

Hygiene measures : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Wash contaminated clothing before reuse.

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

Technical measures : Install a retention tank.

Storage conditions : Store in original container. Keep in a cool, well-ventilated place.

Incompatible products : Strong bases. Reducing agents. Combustibles.

Incompatible materials : May be corrosive to some metals.

Storage temperature : 4 - 25 °C

Prohibitions on mixed storage : Bases.

Storage area : Store away from heat. Store in a well-ventilated place.

Special rules on packaging : Do not store in corrodable metal.

Packaging materials : PEHD. Synthetic material. Do not store in corrodable metal.

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

Acid cleaning product, descaling agent.

### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

phosphoric acid (7664-38-2)		
EU	Local name	Orthophosphoric acid
EU	IOELV TWA (mg/m³)	1 mg/m³
EU	IOELV STEL (mg/m³)	2 mg/m³
France	VME (mg/m³)	2 mg/m³
France	VME (ppm)	0,5 ppm
France	VLE (mg/m³)	1 mg/m³
France	VLE (ppm)	0,2 ppm
2-methoxymethylethoxypropanol (34590-94-8)		
EU	Local name	(2-Methoxymethylethoxy)-propanol
EU	IOELV TWA (mg/m³)	308 mg/m³
EU	IOELV TWA (ppm)	50 ppm
EU	Notes	Skin

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### 2-methoxymethylethoxypropanol (34590-94-8)

France	VLE (mg/m <sup>3</sup> )	308 mg/m <sup>3</sup>
France	VLE (ppm)	50 ppm

### aniline (62-53-3)

France	VLE (mg/m <sup>3</sup> )	10 mg/m <sup>3</sup>
France	VLE (ppm)	2 ppm

## 8.2. Exposure controls

Appropriate engineering controls	: Provide local exhaust or general room ventilation.
Personal protective equipment	: Insulated gloves. Safety glasses. Gas mask with filter type E.
Hand protection	: Use neoprene or rubber gloves. (EN 134)
Eye protection	: Eye protection (standard EN 166)
Skin and body protection	: Use chemically protective clothing and boots (type PVC).
Respiratory protection	: In case of insufficient ventilation, wear suitable respiratory equipment. Gas mask with filter type E



Thermal hazard protection	: None necessary.
Environmental exposure controls	: Do not allow the product to be released into the environment.
Other information	: Emergency eye wash fountains should be available in the immediate vicinity of any potential exposure.

## SECTION 9: Physical and chemical properties

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

Physical state	: Liquid
Colour	: pink.
Odour	: Pungent.
Odour threshold	: Not tested
pH	: 0 - 1
Relative evaporation rate (butylacetate=1)	: Not applicable
Relative evaporation rate (ether=1)	: Not applicable
Melting point	: Not tested
Freezing point	: Not tested
Boiling point	: Not tested
Flash point	: Not tested
Critical temperature	: Not tested
Auto-ignition temperature	: Not tested
Decomposition temperature	: Not tested
Flammability (solid, gas)	: Not applicable Non flammable
Vapour pressure	: Not tested
Relative vapour density at 20 °C	: Not tested
Relative density	: 1,245 - 1,345
Solubility	: Material highly soluble in water.
Log Pow	: Not tested
Viscosity, kinematic	: Not tested
Viscosity, dynamic	: Not tested
Explosive properties	: Not applicable.
Oxidising properties	: No data available
Explosive limits	: No data available

### 9.2. Other information

Additional information	: None
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### SECTION 10: Stability and reactivity

#### 10.1. Reactivity

Reacts violently with : Bases. React violently in contact with oxidation agents.

#### 10.2. Chemical stability

Stable under normal conditions of storage, handling and use.

#### 10.3. Possibility of hazardous reactions

Contact with metallic substances may release flammable hydrogen gas.

#### 10.4. Conditions to avoid

High temperature.

#### 10.5. Incompatible materials

Oxidizing agent. Bases.

#### 10.6. Hazardous decomposition products

On burning: release of toxic and corrosive gases/vapours e.g.: (phosphorus oxides). Carbon oxides (CO, CO2).

### SECTION 11: Toxicological information

#### 11.1. Information on toxicological effects

Acute toxicity : Not classified

##### 2-methoxymethylethoxypropanol (34590-94-8)

LD50 oral rat	> 5000 mg/kg
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LD50 dermal rabbit	> 10000 mg/kg
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Skin corrosion/irritation : Causes severe skin burns and eye damage.  
pH: 0 - 1

Serious eye damage/irritation : Serious eye damage, category 1, implicit  
pH: 0 - 1

Respiratory or skin sensitisation : Not classified

Germ cell mutagenicity : Not classified

Carcinogenicity : Not classified

Reproductive toxicity : Not classified

Specific target organ toxicity (single exposure) : Not classified

Specific target organ toxicity (repeated exposure) : Not classified

Aspiration hazard : Not classified

### SECTION 12: Ecological information

#### 12.1. Toxicity

Ecology - water : May cause pH changes in aqueous ecological systems.

##### 2-methoxymethylethoxypropanol (34590-94-8)

LC50, Fish, Pimephales promelas	> 10000 mg/l (96 Hours)
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EC50, daphnia, Daphnia magna	> 100 mg/l (48 Hours)
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EC50, algae	> 100 mg/l (72 Hours)
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#### 12.2. Persistence and degradability

##### 2-methoxymethylethoxypropanol (34590-94-8)

Persistence and degradability	Biodegradable.
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Biodegradation	77 - 84 % 28 days
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#### 12.3. Bioaccumulative potential

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Log Pow	Not tested
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##### 2-methoxymethylethoxypropanol (34590-94-8)

Bioaccumulative potential	Not expected.
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#### 12.4. Mobility in soil

##### 2-methoxymethylethoxypropanol (34590-94-8)

Ecology - soil	Soluble in water.
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#### 12.5. Results of PBT and vPvB assessment

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Component	
2-methoxymethylethoxypropanol (34590-94-8)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

### 12.6. Other adverse effects

No additional information available

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Regional legislation (waste)	: Disposal must be done according to official regulations.
Waste treatment methods	: Refer to manufacturer/supplier for information on recovery/recycling.
Waste disposal recommendations	: Dispose of contents/container to hazardous or special waste collection point. WHEN TOTALLY EMPTY, containers are recyclable like any other packing.
Ecology - waste materials	: Avoid release to the environment. Collect all waste in suitable and labelled containers and dispose according to local legislation.
European List of Waste (LoW) code	: 20 01 29* - detergents containing dangerous substances
H code	: H8 - 'Corrosive': substances and preparations which may destroy living tissue on contact.
R code/ D code	: D9 - Physico-chemical treatment not specified elsewhere in this Annex which results in final compounds or mixtures which are discarded by means of any of the operations numbered D 1 to D 12 (e.g. evaporation, drying, calcination, etc.)

## SECTION 14: Transport information

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

### 14.1. UN number

UN-No. (ADR)	: 3264
UN-No. (IMDG)	: 3264
UN-No.(IATA)	: 3264
UN-No.(ADN)	: 3264
UN-No. (RID)	: 3264

### 14.2. UN proper shipping name

Proper Shipping Name (ADR)	: CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S.
Proper Shipping Name (IMDG)	: CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S.
Proper Shipping Name (IATA)	: Corrosive liquid, acidic, inorganic, n.o.s.
Proper Shipping Name (ADN)	: CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S.
Proper Shipping Name (RID)	: Not applicable
Transport document description (ADR)	: UN 3264 CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S. (CONTAINS ; phosphoric acid ), 8, III, (E)
Transport document description (IMDG)	: UN 3264 CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S., 8, III

### 14.3. Transport hazard class(es)

#### ADR

Transport hazard class(es) (ADR)	: 8
Danger labels (ADR)	: 8



#### IMDG

Transport hazard class(es) (IMDG)	: 8
Danger labels (IMDG)	: 8







#### IATA

Transport hazard class(es) (IATA)	: 8
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Hazard labels (IATA)	: 8	
	:	
<b>ADN</b>		
Transport hazard class(es) (ADN)	: 8	
Danger labels (ADN)	: 8	
	:	
<b>RID</b>		
Transport hazard class(es) (RID)	: 8	
Danger labels (RID)	: 8	
	:	
<b>14.4. Packing group</b>		
Packing group (ADR)	: III	
Packing group (IMDG)	: III	
Packing group (IATA)	: III	
Packing group (ADN)	: III	
Packing group (RID)	: Not applicable	
<b>14.5. Environmental hazards</b>		
Dangerous for the environment	: No	
Marine pollutant	: No	
Other information	: No supplementary information available	
<b>14.6. Special precautions for user</b>		
<b>14.6.1. Overland transport</b>		
Classification code (ADR)	: C1	
Special provisions (ADR)	: 274	
Limited quantities (ADR)	: 5L	
Excepted quantities (ADR)	: E1	
Vehicle for tank carriage	: AT	
Transport category (ADR)	: 3	
Hazard identification number (Kemler No.)	: 80	
Orange plates	:	
Tunnel restriction code (ADR)	: E	
<b>14.6.2. Transport by sea</b>		
Special provisions (IMDG)	: 223, 274	
Limited quantities (IMDG)	: 5 L	
Excepted quantities (IMDG)	: E1	
Packing instructions (IMDG)	: P001, LP01	
IBC packing instructions (IMDG)	: IBC03	

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Tank instructions (IMDG)	: T7
Tank special provisions (IMDG)	: TP1, TP28
EmS-No. (Fire)	: F-A
EmS-No. (Spillage)	: S-B
Stowage category (IMDG)	: A

### 14.6.3. Air transport

PCA Excepted quantities (IATA)	: E1
PCA Limited quantities (IATA)	: Y841
PCA limited quantity max net quantity (IATA)	: 1L
PCA packing instructions (IATA)	: 852
PCA max net quantity (IATA)	: 5L
CAO packing instructions (IATA)	: 856
CAO max net quantity (IATA)	: 60L
Special provisions (IATA)	: A3
ERG code (IATA)	: 8L

### 14.6.4. Inland waterway transport

Classification code (ADN)	: C1
Special provisions (ADN)	: 274
Limited quantities (ADN)	: 5 L
Excepted quantities (ADN)	: E1
Carriage permitted (ADN)	: T
Equipment required (ADN)	: PP, EP
Number of blue cones/lights (ADN)	: 0
Not subject to ADN	: No

### 14.6.5. Rail transport

Carriage prohibited (RID)	: No
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### 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  
E.P.G.C.- REACID 1 is not on the REACH Candidate List  
Contains no substance on the REACH candidate list  
Contains no REACH Annex XIV substances

#### 15.1.2. National regulations

No additional information available

### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out for the substance or the mixture by the supplier

## SECTION 16: Other information

Indication of changes:

	Supersedes	Added	
	Date of issue	Modified	
	Revision date	Modified	
14	Transport category (ADR)	Modified	

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

Skin Corr. 1A	Skin corrosion/irritation, Category 1A
Skin Corr. 1B	Skin corrosion/irritation, Category 1B
H314	Causes severe skin burns and eye damage
R34	Causes burns



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C	Corrosive
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SDS EU (REACH Annex II)

*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*