
SAFETY DATA SHEET

according to Regulation (EC) No 1907/2006

Revision: 09.03.2017

Printing date: 27.03.2017

Replaces version from: 11.05.2015

**SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE
AND OF THE COMPANY/UNDERTAKING****1.1. Product identifier**

T 1166 Marine LF245=BE

Contains

Phosphoric acid

**Relevant identified uses of the substance or mixture and uses advised against intended use: Cleaners
for industrial metal working****Details of the supplier of the safety data sheet****Manufacturer/Supplier:**

Henkel Nederland

Brugwal 11

3431 NZ

Nieuwegein

Netherlands

Phone:

+31 (60) 73 911

Fax-no.:

+31 (6047) 039

ua-productsafety.de@henkel.com

Emergency telephone number:The Henkel information service also provides an around-the-clock telephone service on
phone no.+49-(0)211-797-3350 for exceptional cases.

SECTION 2: HAZARDS IDENTIFICATION**2.1 Classification of the substance or mixture****Classification (CLP):**

Corrosive to metals Category 1

H290 May be corrosive to metals.

Acute toxicity Category 4

H302 Harmful if swallowed.

Route of Exposure: Oral

CP METAL CHEMICALS B.V.Gerard Burgerlaan 33, 3131 KZ Vlaardingen
Postbus 218, 3130 AE Vlaardingen
The Netherlands**T** +31 (0)10 299 4999
E info@cp-metal.nl
www.cp-metal.nl**IBAN** NL88RABO0158447018 / RABONL2U
TRADEREGISTER KVK 24225479
VAT NL008191402B01

On all transport activities, the General Transportation Conditions for national transport of goods apply, as deposited by the registry of the district counties of Rotterdam and Amsterdam. All transports across borders are subject to the NIWO and CMR conditions. All shipping activities are subject to FENEX conditions. Insurance is never included with the freight. The NOB General Payment Conditions apply to payments of all our activities. The NOB General Payment Conditions can be found on our website.

SAFETY DATA SHEET

according to Regulation (EC) No 1907/2006

Revision: 09.03.2017

Printing date: 27.03.2017

Replaces version from: 11.05.2015

Skin corrosion
H314Category 1A
Causes severe skin burns and eye damage.**2.2. Label elements****Label elements (CLP):****Signal word:**

Danger

Hazard statement:

H290 May be corrosive to metals.

H302 Harmful if swallowed.

H314 Causes severe skin burns and eye damage.

Precautionary statement:

P260 Do not breathe mist/spray.

PreventionP280 Wear protective gloves/protective clothing/
eye protection/face protection.**Precautionary statement:**P301+P312 IF SWALLOWED: Call a POISON CENTRE or doctor if
you feel unwell.**Response**P303+P361+P353 IF ON SKIN (or hair): 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.

2.3. Other hazards

None if used properly.

The classification as corrosive R35/H314 1A is due to the extreme pH.

Not fulfilling Persistent, Bioaccumulative and Toxic (PBT), very Persistent and very Bioaccumulative
(vPvB) criteria.**CP METAL CHEMICALS B.V.**Gerard Burgerlaan 33, 3131 KZ Vlaardingen
Postbus 218, 3130 AE Vlaardingen
The NetherlandsT +31 (0)10 299 4999
E info@cp-metal.nl
www.cp-metal.nlIBAN NL88RABO0158447018 / RABONL2U
TRADEREGISTER KVK 24225479
VAT NL008191402B01

On all transport activities, the General Transportation Conditions for national transport of goods apply, as deposited by the registry of the district counties of Rotterdam and Amsterdam. All transports across borders are subject to the NIWO and CMR conditions. All shipping activities are subject to FENEX conditions. Insurance is never included with the freight. The NOB General Payment Conditions apply to payments of all our activities. The NOB General Payment Conditions can be found on our website.

SAFETY DATA SHEET

according to Regulation (EC) No 1907/2006

Revision: 09.03.2017

Printing date: 27.03.2017

Replaces version from: 11.05.2015

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.2. Mixtures

Base substances of preparation: inorganic acids

Declaration of the ingredients according to CLP (EC) No 1272/2008:

Hazardous components CAS-No.	EC Number REACH-Reg No.	content	Classification
Phosphoric acid 7664-38-2	231-633-2 01-2119485924-24	20- 40 %	Met. Corr. 1 H290 Skin Corr. 1B H314 Acute Tox. 4; Oral H302
Alcohol C13, branched ethoxylated 69011-36-5	500-241-6	1- < 3 %	Acute Tox. 4 H302 Eye Dam. 1 H318

For full text of the H - statements and other abbreviations see section 16 "Other information".

Substances without classification may have community workplace exposure limits available.

Declaration of ingredients according to Detergent Regulation 648/2004/EC

> 30 % phosphates
< 5 % non-ionic surfactants

SECTION 4: FIRST AID MEASURES

4.1. Description of first aid measures

Inhalation: Fresh air, consult doctor.

Skin contact:

Immediately rinse with copious amounts of running water (for 10 minutes). Remove contaminated clothes. Put on a bandage with sterile gauze, seek medical attention in hospital.

Eye contact:

Immediately flush eyes with soft jet of water or eye rinse solution for at least 15 minutes. Hold eyelid wide-open. Seek a doctor/hospital, eye flushing should continue during transportation to a doctor.

Ingestion:

Rinse out mouth, drink 1-2 glasses of water, do not induce vomiting.

Immediate medical treatment necessary.

CP METAL CHEMICALS B.V.

Gerard Burgerlaan 33, 3131 KZ Vlaardingen
Postbus 218, 3130 AE Vlaardingen
The Netherlands

T +31 (0)10 299 4999
E info@cp-metal.nl
www.cp-metal.nl

IBAN NL88RABO0158447018 / RABONL2U
TRADEREGISTER KVK 24225479
VAT NL008191402B01

On all transport activities, the General Transportation Conditions for national transport of goods apply, as deposited by the registry of the district counties of Rotterdam and Amsterdam. All transports across borders are subject to the NIWO and CMR conditions. All shipping activities are subject to FENEX conditions. Insurance is never included with the freight. The NOB General Payment Conditions apply to payments of all our activities. The NOB General Payment Conditions can be found on our website.

SAFETY DATA SHEET

according to Regulation (EC) No 1907/2006

Revision: 09.03.2017

Printing date: 27.03.2017

Replaces version from: 11.05.2015

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

Causes burns.

INGESTION: Nausea, vomiting, diarrhea, abdominal pain.

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

See section: Description of first aid measures

SECTION 5: FIREFIGHTING MEASURES**5.1. Extinguishing media****Suitable extinguishing media:**

All common extinguishing agents are suitable.

Extinguishing media which must not be used for safety reasons:

None known

5.2. Special hazards arising from the substance or mixture

Formation of toxic gases is possible during heating or in fires.

5.3. Advice for firefighters

Wear self-contained breathing apparatus.

Wear protective equipment.

Additional information:

Cool endangered containers with water spray jet.

SECTION 6: ACCIDENTAL RELEASE MEASURES**6.1. Personal precautions, protective equipment and emergency procedures**

Avoid contact with skin and eyes.

6.2. Environmental precautions

Do not empty into drains / surface water / ground water.

6.3. Methods and material for containment and cleaning up

Neutralize with acid-binding material (e.g. powdered limestone).

Take up with liquid-absorbing material (sand).

Dispose of contaminated material as waste according to Section 13.

CP METAL CHEMICALS B.V.Gerard Burgerlaan 33, 3131 KZ Vlaardingen
Postbus 218, 3130 AE Vlaardingen
The NetherlandsT +31 (0)10 299 4999
E info@cp-metal.nl
www.cp-metal.nlIBAN NL88RABO0158447018 / RABONL2U
TRADEREGISTER KVK 24225479
VAT NL008191402B01

On all transport activities, the General Transportation Conditions for national transport of goods apply, as deposited by the registry of the district counties of Rotterdam and Amsterdam. All transports across borders are subject to the NIWO and CMR conditions. All shipping activities are subject to FENEX conditions. Insurance is never included with the freight. The NOB General Payment Conditions apply to payments of all our activities. The NOB General Payment Conditions can be found on our website.

SAFETY DATA SHEET

according to Regulation (EC) No 1907/2006

Revision: 09.03.2017

Printing date: 27.03.2017

Replaces version from: 11.05.2015

6.4. Reference to other sections

See advice in section 8

SECTION 7: HANDLING AND STORAGE**7.1. Precautions for safe handling**

When diluting, always stir slowly the product into standing water.

Avoid skin and eye contact.

Ensure that workrooms are adequately ventilated.

See advice in section 8

Hygiene measures:

Wash hands before work breaks and after finishing work.

Do not eat, drink or smoke when using this product.

Wash contaminated clothing before reuse.

The workplace should be equipped with an emergency shower and eye-rinsing facility.

7.2. Conditions for safe storage, including any incompatibilities

Store in sealed original container.

Keep only in original container.

Do not store together with highly alkaline products.

7.3. Specific end use(s)

Cleaners for industrial metal working

CP METAL CHEMICALS B.V.

Gerard Burgerlaan 33, 3131 KZ Vlaardingen
Postbus 218, 3130 AE Vlaardingen
The Netherlands

T +31 (0)10 299 4999
E info@cp-metal.nl
www.cp-metal.nl

IBAN NL88RABO0158447018 / RABONL2U
TRADEREGISTER KVK 24225479
VAT NL008191402B01

On all transport activities, the General Transportation Conditions for national transport of goods apply, as deposited by the registry of the district counties of Rotterdam and Amsterdam. All transports across borders are subject to the NIWO and CMR conditions. All shipping activities are subject to FENEX conditions. Insurance is never included with the freight. The NOB General Payment Conditions apply to payments of all our activities. The NOB General Payment Conditions can be found on our website.

SAFETY DATA SHEET

according to Regulation (EC) No 1907/2006

Revision: 09.03.2017

Printing date: 27.03.2017

Replaces version from: 11.05.2015

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

Occupational Exposure Limits

Valid for Germany

Orthophosphoric acid 7664-38-2 [ORTHOPHOSPHORIC ACID]		2	Short Term Exposure Limit (STEL):	Indicative	ECTLV
Orthophosphoric acid 7664-38-2 [ORTHOPHOSPHORIC ACID]		1	Time Weighted Average (TWA):	Indicative	ECTLV
Orthophosphoric acid 7664-38-2			Short Term Exposure Classification:	Category I: substances for which the localized effect has an assigned OEL or for substances with a sensitizing effect in respiratory passages.	TRGS 900
Orthophosphoric acid 7664-38-2		2	Exposure limit(s):	2 If the AGW and BGW values are complied with, there should be no risk of reproductive damage (see Number 2.7).	TRGS 900

Predicted No-Effect Concentration (PNEC):

Name on list	Environmental Compartment	Exposure period	Value				Remarks
			mg/l	ppm	mg/kg	others	
Orthophosphoric acid 7664-38-2	sediment (freshwater)						
Orthophosphoric acid 7664-38-2	sediment (marine water)						
Orthophosphoric acid 7664-38-2	Air						
Orthophosphoric acid 7664-38-2	soil						
Orthophosphoric acid 7664-38-2	Predator						

Derived No-Effect Level (DNEL):

Name on list	Application Area	Route of Exposure	Health Effect	Exposure Time	Value	Remarks
Orthophosphoric acid 7664-38-2	Workers	inhalation	Long term exposure - local effects		1 mg/m3	
Orthophosphoric acid 7664-38-2	Workers	inhalation	Acute/short term exposure - local effects		2 mg/m3	
Orthophosphoric acid 7664-38-2	General population	inhalation	Long term exposure - local effects		0,73 mg/m3	
Orthophosphoric acid 7664-38-2	Workers	inhalation	Long term exposure - systemic effects		1 mg/m3	

CP METAL CHEMICALS B.V.

Gerard Burgerlaan 33, 3131 KZ Vlaardingen
Postbus 218, 3130 AE Vlaardingen
The Netherlands

T +31 (0)10 299 4999
E info@cp-metal.nl
www.cp-metal.nl

IBAN NL88RABO0158447018 / RABONL2U
TRADEREGISTER KVK 24225479
VAT NL008191402B01

On all transport activities, the General Transportation Conditions for national transport of goods apply, as deposited by the registry of the district counties of Rotterdam and Amsterdam. All transports across borders are subject to the NIWO and CMR conditions. All shipping activities are subject to FENEX conditions. Insurance is never included with the freight. The NOB General Payment Conditions apply to payments of all our activities. The NOB General Payment Conditions can be found on our website.

SAFETY DATA SHEET

according to Regulation (EC) No 1907/2006

Revision: 09.03.2017

Printing date: 27.03.2017

Replaces version from: 11.05.2015

Biological Exposure Indices:

None

8.2. Exposure controls:**Engineering controls:**

Ensure good ventilation/suction at the workplace.

Respiratory protection:

In case of aerosol formation, we recommend wearing of appropriate respiratory protection equipment with ABEK P2 filter (EN 14387).

This recommendation should be matched to local conditions.**Hand protection:**

Chemical-resistant protective gloves (EN 374). Suitable materials for short-term contact or splashes (recommended: at least protection index 2, corresponding to > 30 minutes permeation time as per EN 374): Polychloroprene (CR; ≥ 1 mm thickness) or natural rubber (NR; ≥ 1 mm thickness) Suitable materials for longer, direct contact (recommended: protection index 6, corresponding to > 480 minutes permeation time as per EN 374): Polychloroprene (CR; ≥ 1 mm thickness) or natural rubber (NR; ≥ 1 mm thickness) This information is based on literature references and on information provided by glove manufacturers, or is derived by analogy with similar substances. Please note that in practice the working life of chemical-resistant protective gloves may be considerably shorter than the permeation time determined in accordance with EN 374 as a result of the many influencing factors (e.g. temperature). If signs of wear and tear are noticed then the gloves should be replaced.

Eye protection:

Goggles which can be tightly sealed.

Protective eye equipment should conform to EN166.

Skin protection:

Protective clothing that covers arms and legs.

Protective clothing should conform to EN 14605 for liquid splashes or to EN 13982 for dusts.

Advices to personal protection equipment:

The information provided on personal protective equipment is for guidance purposes only. A full risk assessment should be conducted prior to using this product to determine the appropriate personal protective equipment to suit local conditions. Personal protective equipment should conform to the relevant EN standard.

CP METAL CHEMICALS B.V.

Gerard Burgerlaan 33, 3131 KZ Vlaardingen
Postbus 218, 3130 AE Vlaardingen
The Netherlands

T +31 (0)10 299 4999
E info@cp-metal.nl
www.cp-metal.nl

IBAN NL88RABO0158447018 / RABONL2U
TRADEREGISTER KVK 24225479
VAT NL008191402B01

On all transport activities, the General Transportation Conditions for national transport of goods apply, as deposited by the registry of the district counties of Rotterdam and Amsterdam. All transports across borders are subject to the NIWO and CMR conditions. All shipping activities are subject to FENEX conditions. Insurance is never included with the freight. The NOB General Payment Conditions apply to payments of all our activities. The NOB General Payment Conditions can be found on our website.

SAFETY DATA SHEET

according to Regulation (EC) No 1907/2006

Revision: 09.03.2017

Printing date: 27.03.2017

Replaces version from: 11.05.2015

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Appearance	liquid clear colourless
Odor	odourless
Odour threshold	No data available / Not applicable
pH	2,15 (20 °C (68 °F); Conc.: 1 % product; Solvent: Demineralised water)

Initial boiling point > 100 °C (> 212 °F)

Flash point	Not applicable
Decomposition temperature	No data available / Not applicable
Vapour pressure	Values referring to water
Density (20 °C (68 °F))	1,195 - 1,225 g/cm3

Bulk density	No data available / Not applicable
Viscosity	No data available / Not applicable
Viscosity (kinematic)	No data available / Not applicable
Explosive properties	No data available / Not applicable
Solubility (qualitative)	Miscible (20 °C (68 °F); Solvent: Water)

Solidification temperature	No data available / Not applicable
Melting point	No data available / Not applicable
Flammability	No data available / Not applicable
Auto-ignition temperature	No data available / Not applicable
Explosive limits	No data available / Not applicable
Partition coefficient: n-octanol/water	No data available / Not applicable
Evaporation rate	No data available / Not applicable
Vapor density	No data available / Not applicable
Oxidising properties	No data available / Not applicable

9.2. Other information

No data available / Not applicable

CP METAL CHEMICALS B.V.

Gerard Burgerlaan 33, 3131 KZ Vlaardingen
Postbus 218, 3130 AE Vlaardingen
The Netherlands

T +31 (0)10 299 4999
E info@cp-metal.nl
www.cp-metal.nl

IBAN NL88RABO0158447018 / RABONL2U
TRADEREGISTER KVK 24225479
VAT NL008191402B01

On all transport activities, the General Transportation Conditions for national transport of goods apply, as deposited by the registry of the district counties of Rotterdam and Amsterdam. All transports across borders are subject to the NIWO and CMR conditions. All shipping activities are subject to FENEX conditions. Insurance is never included with the freight. The NOB General Payment Conditions apply to payments of all our activities. The NOB General Payment Conditions can be found on our website.

SAFETY DATA SHEET

according to Regulation (EC) No 1907/2006

Revision: 09.03.2017

Printing date: 27.03.2017

Replaces version from: 11.05.2015

SECTION 10: STABILITY AND REACTIVITY**10.1. Reactivity**

Reacts with alkalis: Heat generated.

10.2. Chemical stability

Stable under recommended storage conditions.

10.3. Possibility of hazardous reactions

See section reactivity

10.4. Conditions to avoid

No decomposition if used according to specifications.

10.5. Incompatible materials

See section reactivity.

10.6. Hazardous decomposition products

In case of fire toxic gases can be released.

None if used for intended purpose.

SECTION 11: TOXICOLOGICAL INFORMATION**11.1. Information on toxicological effects****General toxicological information:**

The mixture is classified based on the available hazard information for the ingredients as defined in the classification criteria for mixtures for each hazard class or differentiation in Annex I to Regulation (EC) No 1272/2008. Relevant available health/ecological information for the substances listed under Section 3 is provided in the following.

The classification as corrosive R35/H314 1A is due to the extreme pH.

Oral toxicity:

Harmful if swallowed.

Skin irritation:

Causes severe skin burns and eye damage.

CP METAL CHEMICALS B.V.

Gerard Burgerlaan 33, 3131 KZ Vlaardingen
Postbus 218, 3130 AE Vlaardingen
The Netherlands

T +31 (0)10 299 4999
E info@cp-metal.nl
www.cp-metal.nl

IBAN NL88RABO0158447018 / RABONL2U
TRADEREGISTER KVK 24225479
VAT NL008191402B01

On all transport activities, the General Transportation Conditions for national transport of goods apply, as deposited by the registry of the district counties of Rotterdam and Amsterdam. All transports across borders are subject to the NIWO and CMR conditions. All shipping activities are subject to FENEX conditions. Insurance is never included with the freight. The NOB General Payment Conditions apply to payments of all our activities. The NOB General Payment Conditions can be found on our website.

SAFETY DATA SHEET

according to Regulation (EC) No 1907/2006

Revision: 09.03.2017

Printing date: 27.03.2017

Replaces version from: 11.05.2015

Acute oral toxicity:

Hazardous components CAS-No.	Value type	Value	Route of application	Exposure time	Species	Method
Phosphoric acid 7664-38-2	LD50	300 - < 2.000 mg/kg	oral		rat	Weight of evidence
Phosphoric acid 7664-38-2	Acute toxicity estimate (ATE)	300 mg/kg				Expert judgement
Alcohol C13, branched ethoxylated 69011-36-5	Acute toxicity estimate (ATE)	500 mg/kg	oral			Expert judgement
Alcohol C13, branched ethoxylated 69011-36-5	LD50	500 - 2.000 mg/kg			rat	OECD Guideline 423 (Acute Oral toxicity)

Acute inhalative toxicity:

Hazardous components CAS-No.	Value type	Value	Route of application	Exposure time	Species	Method
Phosphoric acid 7664-38-2	Acute toxicity estimate (ATE)	5,1 mg/l	aerosol			Expert judgement

Acute dermal toxicity:

Hazardous components CAS-No.	Value type	Value	Route of application	Exposure time	Species	Method
Alcohol C13, branched ethoxylated 69011-36-5	LD50	> 2.000 mg/kg	dermal		rabbit	not specified

Skin corrosion/irritation:

Hazardous components CAS-No.	Result	Exposure time	Species	Method
Phosphoric acid 7664-38-2	corrosive	24 h	rabbit	not specified

Respiratory or skin sensitization:

Hazardous components CAS-No.	Result	Test type	Species	Method
Phosphoric acid 7664-38-2	not sensitising	no data	human	not specified

CP METAL CHEMICALS B.V.

Gerard Burgerlaan 33, 3131 KZ Vlaardingen
Postbus 218, 3130 AE Vlaardingen
The Netherlands

T +31 (0)10 299 4999
E info@cp-metal.nl
www.cp-metal.nl

IBAN NL88RABO0158447018 / RABONL2U
TRADEREGISTER KVK 24225479
VAT NL008191402B01

On all transport activities, the General Transportation Conditions for national transport of goods apply, as deposited by the registry of the district counties of Rotterdam and Amsterdam. All transports across borders are subject to the NIWO and CMR conditions. All shipping activities are subject to FENEX conditions. Insurance is never included with the freight. The NOB General Payment Conditions apply to payments of all our activities. The NOB General Payment Conditions can be found on our website.

SAFETY DATA SHEET

according to Regulation (EC) No 1907/2006

Revision: 09.03.2017

Printing date: 27.03.2017

Replaces version from: 11.05.2015

Germ cell mutagenicity:

Hazardous components CAS-No.	Result	Type of study / Route of administration	Metabolic activation / Exposure time	Species	Method
Phosphoric acid 7664-38-2	negative	bacterial reverse mutation assay (e.g Ames test)	with and without		OECD Guideline 471 (Bacterial Reverse Mutation Assay)
	negative	in vitro mammalian chromosome aberration test	with and without		OECD Guideline 473 (In vitro Mammalian Chromosome Aberration Test)
	negative	mammalian cell gene mutation assay	with and without		OECD Guideline 476 (In vitro Mammalian Cell Gene Mutation Test)

Reproductive toxicity:

Hazardous substances CAS-No.	Result / Classification	Species	Exposure time	Species	Method
Phosphoric acid 7664-38-2	NOAEL F1 = >= 500 mg/kg	one- generation study oral: gavage		rat	OECD Combined Repeated Dose and Reproductive / Developmental Toxicity Screening Test (Precursor Protocol of GL 422)

Repeated dose toxicity:

Hazardous components CAS-No.	Result	Route of application	Exposure time / Frequency of treatment	Species	Method
Phosphoric acid 7664-38-2	NOAEL=250 mg/kg	oral: gavage	6 wdaily	rat	OECD Guideline 422 (Combined Repeated Dose Toxicity Study with the Reproduction / Developmental Toxicity Screening Test)

SECTION 12: ECOLOGICAL INFORMATION

General ecological information:

The mixture is classified based on the available hazard information for the ingredients as defined in the classification criteria for mixtures for each hazard class or differentiation in Annex I to Regulation (EC) No 1272/2008. Relevant available health/ecological information for the substances listed under Section 3 is provided in the following.

Locally harmful for aquatic and landliving organisms because of low pH and corrosive properties.

Do not empty into drains / surface water / ground water.

Other adverse effects:

If acidic or alkaline products are discharged into wastewater installations care must be taken that the discharged wastewater has a pH in the range pH 6 - 10, as pH variations could cause disorders in wastewater channels and biological sewage treatment plants. The local discharge regulations take precedence.

CP METAL CHEMICALS B.V.

Gerard Burgerlaan 33, 3131 KZ Vlaardingen
Postbus 218, 3130 AE Vlaardingen
The Netherlands

T +31 (0)10 299 4999
E info@cp-metal.nl
www.cp-metal.nl

IBAN NL88RABO0158447018 / RABONL2U
TRADEREGISTER KVK 24225479
VAT NL008191402B01

On all transport activities, the General Transportation Conditions for national transport of goods apply, as deposited by the registry of the district counties of Rotterdam and Amsterdam. All transports across borders are subject to the NIWO and CMR conditions. All shipping activities are subject to FENEX conditions. Insurance is never included with the freight. The NOB General Payment Conditions apply to payments of all our activities. The NOB General Payment Conditions can be found on our website.

SAFETY DATA SHEET

according to Regulation (EC) No 1907/2006

Revision: 09.03.2017

Printing date: 27.03.2017

Replaces version from: 11.05.2015

12.1. Toxicity

Hazardous components CAS-No.	Value type	Value	Acute Toxicity Study	Exposure time	Species	Method
Phosphoric acid 7664-38-2	LC50	> 100 mg/l	Fish	96 h	Oncorhynchus mykiss	OECD Guideline 203 (Fish, Acute Toxicity Test)
Phosphoric acid 7664-38-2	EC50	> 100 mg/l	Daphnia	48 h	Daphnia magna	OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test)
Phosphoric acid 7664-38-2	EC50	> 100 mg/l	Algae	72 h	Desmodesmus subspicatus	OECD Guideline 201 (Alga, Growth Inhibition Test)
	NOEC	100 mg/l	Algae	72 h	Desmodesmus subspicatus	OECD Guideline 201 (Alga, Growth Inhibition Test)
Phosphoric acid 7664-38-2	IC50	270 mg/l	Bacteria	3 h	activated sludge	OECD Guideline 209 (Activated Sludge, Respiration Inhibition Test)
Alcohol C13, branched ethoxylated 69011-36-5	LC50	4 - 10 mg/l	Fish	96 h	Brachydanio rerio (new name: Danio rerio)	OECD Guideline 203 (Fish, Acute Toxicity Test)
Alcohol C13, branched ethoxylated 69011-36-5	EC50	4,5 mg/l	Daphnia	48 h	Daphnia magna	OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test)
Alcohol C13, branched ethoxylated 69011-36-5	EC50	9,7 mg/l	Algae	96 h	Scenedesmus subspicatus (new name: Desmodesmus subspicatus)	OECD Guideline 201 (Alga, Growth Inhibition Test)
Alcohol C13, branched ethoxylated 69011-36-5	EC0	4 - 10 mg/l	Bacteria			not specified

12.2. Persistence and degradability

Persistence and degradability:

Degradation of surfactants

The biodegradability of the surfactants contained in the product is in accordance with the requirements of the EU Detergent Regulation (EC/648/2004).

The surfactants contained in the products are primary biodegradable to at least 90% on average.

Hazardous components CAS-No.	Result	Route of application	Degradability	Method
Alcohol C13, branched ethoxylated 69011-36-5	readily biodegradable	aerobic	> 60 %	OECD Guideline 301 B (Ready Biodegradability: CO2 Evolution Test)

12.3. Bioaccumulative potential / 12.4. Mobility in soil

No data available.

CP METAL CHEMICALS B.V.

Gerard Burgerlaan 33, 3131 KZ Vlaardingen
Postbus 218, 3130 AE Vlaardingen
The Netherlands

T +31 (0)10 299 4999
E info@cp-metal.nl
www.cp-metal.nl

IBAN NL88RABO0158447018 / RABONL2U
TRADEREGISTER KVK 24225479
VAT NL008191402B01

On all transport activities, the General Transportation Conditions for national transport of goods apply, as deposited by the registry of the district counties of Rotterdam and Amsterdam. All transports across borders are subject to the NIWO and CMR conditions. All shipping activities are subject to FENEX conditions. Insurance is never included with the freight. The NOB General Payment Conditions apply to payments of all our activities. The NOB General Payment Conditions can be found on our website.

SAFETY DATA SHEET

according to regulation (EC) No 1907/2006

Revision: 09.03.2017

Printing date: 27.03.2017

Replaces version from: 11.05.2015

12.5. Results of PBT and vPvB assessment

Hazardous components CAS-No.	PBT/vPvB
Phosphoric acid 7664-38-2	Not fulfilling Persistent, Bioaccumulative and Toxic (PBT), very Persistent and very Bioaccumulative (vPvB) criteria.
Alcohol C13, branched ethoxylated 69011-36-5	Not fulfilling Persistent, Bioaccumulative and Toxic (PBT), very Persistent and very Bioaccumulative (vPvB) criteria.

12.6. Other adverse effects

No data available.

SECTION 13: DISPOSAL CONSIDERATIONS**13.1. Waste treatment methods**

Product disposal:

In consultation with the responsible local authority, must be subjected to special treatment.

Waste code

The valid EWC waste code numbers are source-related. The manufacturer is therefore unable to specify EWC waste codes for the articles or products used in the various sectors. The EWC codes listed are intended as a recommendation for users. We will be happy to advise you.

060104

SECTION 14: TRANSPORT INFORMATION**14.1. UN number**

ADR	1805
RID	1805
ADN	1805
IMDG	1805
IATA	1805

14.2. UN proper shipping name

ADR	PHOSPHORIC ACID SOLUTION
RID	PHOSPHORIC ACID SOLUTION
ADN	PHOSPHORIC ACID SOLUTION
IMDG	PHOSPHORIC ACID SOLUTION
IATA	Phosphoric acid, solution

CP METAL CHEMICALS B.V.

Gerard Burgerlaan 33, 3131 KZ Vlaardingen
Postbus 218, 3130 AE Vlaardingen
The Netherlands

T +31 (0)10 299 4999
E info@cp-metal.nl
www.cp-metal.nl

IBAN NL88RABO0158447018 / RABONL2U
TRADEREGISTER KVK 24225479
VAT NL008191402B01

On all transport activities, the General Transportation Conditions for national transport of goods apply, as deposited by the registry of the district counties of Rotterdam and Amsterdam. All transports across borders are subject to the NIWO and CMR conditions. All shipping activities are subject to FENEX conditions. Insurance is never included with the freight. The NOB General Payment Conditions apply to payments of all our activities. The NOB General Payment Conditions can be found on our website.

SAFETY DATA SHEET

according to regulation (EC) No 1907/2006

Revision: 09.03.2017

Printing date: 27.03.2017

Replaces version from: 11.05.2015

14.3. Transport hazard class(es)

ADR	8
RID	8
ADN	8
IMDG	8
IATA	8

14.4. Packing group

ADR	III
RID	III
ADN	III
IMDG	III
IATA	III

14.5. Environmental hazards

ADR	not applicable
RID	not applicable
ADN	not applicable
IMDG	not applicable
IATA	not applicable

14.6. Special precautions for user

ADR	not applicable
Tunnelcode:	(E)
RID	not applicable
ADN	not applicable
IMDG	not applicable
IATA	not applicable

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

not applicable

CP METAL CHEMICALS B.V.

Gerard Burgerlaan 33, 3131 KZ Vlaardingen
Postbus 218, 3130 AE Vlaardingen
The Netherlands

T +31 (0)10 299 4999
E info@cp-metal.nl
www.cp-metal.nl

IBAN NL88RABO0158447018 / RABONL2U
TRADEREGISTER KVK 24225479
VAT NL008191402B01

On all transport activities, the General Transportation Conditions for national transport of goods apply, as deposited by the registry of the district counties of Rotterdam and Amsterdam. All transports across borders are subject to the NIWO and CMR conditions. All shipping activities are subject to FENEX conditions. Insurance is never included with the freight. The NOB General Payment Conditions apply to payments of all our activities. The NOB General Payment Conditions can be found on our website.

SAFETY DATA SHEET

according to regulation (EC) No 1907/2006

Revision: 09.03.2017

Printing date: 27.03.2017

Replaces version from: 11.05.2015

SECTION 15: REGULATORY INFORMATION**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**

VOC content 0 %
(2010/75/EU)

15.2. Chemical safety assessment

A chemical safety assessment has not been carried out.

National regulations/information (Germany):

WGK: WGK = 1, slightly water endangering product.
Classification according to the mixture rules in Germany
VwVwS regulation annex 4 from 27.July 2005

Storage class according to TRGS 510: 8B

SECTION 16: OTHER INFORMATION

The labelling of the product is indicated in Section 2. The full text
of all abbreviations indicated by codes in this safety data sheet are as follows:

H290 May be corrosive to metals.

H302 Harmful if swallowed.

H314 Causes severe skin burns and eye damage.

H318 Causes serious eye damage.

Further information:

This information is based on our current level of knowledge and relates to the product in the state in which it is delivered. It is intended to describe our products from the point of view of safety requirements and is not intended to guarantee any particular properties.

Label elements (DPD):**C - Corrosive****CP METAL CHEMICALS B.V.**

Gerard Burgerlaan 33, 3131 KZ Vlaardingen
Postbus 218, 3130 AE Vlaardingen
The Netherlands

T +31 (0)10 299 4999
E info@cp-metal.nl
www.cp-metal.nl

IBAN NL88RABO0158447018 / RABONL2U
TRADEREGISTER KVK 24225479
VAT NL008191402B01

On all transport activities, the General Transportation Conditions for national transport of goods apply, as deposited by the registry of the district counties of Rotterdam and Amsterdam. All transports across borders are subject to the NIWO and CMR conditions. All shipping activities are subject to FENEX conditions. Insurance is never included with the freight. The NOB General Payment Conditions apply to payments of all our activities. The NOB General Payment Conditions can be found on our website.

SAFETY DATA SHEET

according to regulation (EC) No 1907/2006

Revision: 09.03.2017

Printing date: 27.03.2017

Replaces version from: 11.05.2015

Risk phrases:

R35 Causes severe burns.

Safety phrases:

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).

Contains:

Phosphoric acid

Relevant changes in this safety data sheet are indicated by vertical lines at the left margin in the body of this document. Corresponding text is displayed in a different color on shadowed fields.

Relevant changes in this safety data sheet are indicated by vertical lines at the left margin in the body of this document. Corresponding text is displayed in a different color on shadowed fields.

CP METAL CHEMICALS B.V.

Gerard Burgerlaan 33, 3131 KZ Vlaardingen
Postbus 218, 3130 AE Vlaardingen
The Netherlands

T +31 (0)10 299 4999
E info@cp-metal.nl
www.cp-metal.nl

IBAN NL88RABO0158447018 / RABONL2U
TRADEREGISTER KVK 24225479
VAT NL008191402B01

On all transport activities, the General Transportation Conditions for national transport of goods apply, as deposited by the registry of the district counties of Rotterdam and Amsterdam. All transports across borders are subject to the NIWO and CMR conditions. All shipping activities are subject to FENEX conditions. Insurance is never included with the freight. The NOB General Payment Conditions apply to payments of all our activities. The NOB General Payment Conditions can be found on our website.