

EU safety data sheet

Trade name: KRONES colclean IC 3002

Current version : 1.0.1, issued: 08.06.2021

Replaced version: 1.0.0, issued: 10.02.2020

Region: GB

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

1.1 Product identifier

Trade name

KRONES colclean IC 3002

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

Relevant identified uses of the substance or mixture

Detergent

Uses advised against

No data available.

1.3 Details of the supplier of the safety data sheet

Address

KIC KRONES Internationale Cooperationsgesellschaft mbH
Böhmerwaldstraße 5
93073 Neutraubling

Telephone no. +49 9401 70-3020

Fax no. +49 9401 70-3696

e-mail kic@kic-krones.com

Advice on Safety Data Sheet

sdb_info@umco.de

1.4 Emergency telephone number

For medical advice (in German and English):

+49 (0)551 192 40 (Giftinformationszentrum Nord)

In case of transport incidents and other emergencies:

+44 (0) 1235 239 670 (NCEC, National Chemical Emergency Centre)

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification in accordance with Regulation (EC) No 1272/2008 (CLP)

Acute Tox. 4; H332

Eye Dam. 1; H318

Met. Corr. 1; H290

Skin Corr. 1A; H314

Classification information

This product is assessed and classified using the methods and criteria below referred to in Article 9 of Regulation (EC) n° 1272/2008:

Physical hazards: determined through assessment data based on the methods or standards referred to in part 2 of Annex I to CLP

Health hazards and environmental hazards: determined through toxicological and ecotoxicological assessment data based on the methods or standards referred to in Part 3, 4 and 5 of Annex I to CLP.

2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008 (CLP Regulation)

Hazard pictograms



GHS05



GHS07

Signal word

Danger

Hazardous component(s) to be indicated on label:

EU safety data sheet

Trade name: KRONES colclean IC 3002

Current version : 1.0.1, issued: 08.06.2021

Replaced version: 1.0.0, issued: 10.02.2020

Region: GB

phosphoric acid
nitric acid ...% [C > 70 %]

Hazard statement(s)

H290 May be corrosive to metals.
H314 Causes severe skin burns and eye damage.
H332 Harmful if inhaled.

Hazard statements (EU)

EUH071 Corrosive to the respiratory tract.

Precautionary statement(s)

P260 Do not breathe mist/vapours/spray.
P264 Wash hands thoroughly after handling.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or 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/doctor.

2.3 Other hazards

PBT assessment
The product is not considered to be a PBT.
vPvB assessment
The product is not considered to be a vPvB.

SECTION 3: Composition/information on ingredients

3.1 Substances

Not applicable. The product is not a substance.

3.2 Mixtures

Hazardous ingredients

No	Substance name		Additional information	
	CAS / EC / Index / REACH no	Classification (EC) 1272/2008 (CLP)	Concentration	%
1	phosphoric acid			
	7664-38-2 231-633-2 015-011-00-6 01-2119485924-24	Met. Corr. 1; H290 Skin Corr. 1B; H314 Acute Tox. 4; H302 Eye Dam. 1; H318	>= 10.00 - < 25.00	wt%
2	nitric acid ...% [C > 70 %]		pls. refer to footnote (2)	
	7697-37-2 231-714-2 007-004-00-1 01-2119487297-23	Ox. Liq. 2; H272 Met. Corr. 1; H290 Acute Tox. 3; H331 Skin Corr. 1A; H314 Eye Dam. 1; H318 EUH071	>= 10.00 - < 25.00	wt%

Full Text for all H-phrases and EUH-phrases: pls. see section 16

(2) According to the latest state of knowledge and applying the criteria set out in annex I to Regulation (EC) No 1272/2008, the aforementioned classification is required. This classification goes beyond the classification set out in table 3, Annex VI to Regulation (CE) No 1272/2008.

No	Note	Specific concentration limits	M-factor (acute)	M-factor (chronic)
1	B	Skin Irrit. 2; H315: C >= 10% Eye Irrit. 2; H319: C >= 10% Skin Corr. 1B; H314: C >= 25% Eye Dam. 1; H318: C >= 25%	-	-
2	B	Skin Irrit. 2; H315: C >= 1% Skin Corr. 1B; H314: C >= 5% Skin Corr. 1A; H314: C >= 20%	-	-

EU safety data sheet

Trade name: KRONES colclean IC 3002

Current version : 1.0.1, issued: 08.06.2021

Replaced version: 1.0.0, issued: 10.02.2020

Region: GB

		Ox. Liq. 3; H272: C >= 65% Ox. Liq. 2; H272: C >= 99%		
--	--	--	--	--

Full text for the notes: pls. see section 16 "Notes relating to the identification, classification and labelling of substances ((EC) No 1272/2008, Annex VI)".

Acute toxicity estimate (ATE) values			
No	oral	dermal	inhalative
1	500 mg/kg bodyweight		

SECTION 4: First aid measures

4.1 Description of first aid measures

General information

Remove contaminated clothing and shoes immediately, and launder thoroughly before reusing.

After inhalation

Remove affected persons from dangerous area by observing suitable respiratory protection measures. Ensure supply of fresh air. Do not use mouth-to-mouth or mouth-to-nose resuscitation. Call a doctor immediately.

After skin contact

Wash immediately with plenty of water for several minutes. Seek medical attention.

After eye contact

Remove contact lenses. Rinse eye thoroughly under running water keeping eyelids wide open and protecting the unaffected eye (at least 10 to 15 minutes). Get immediate ophthalmic treatment.

After ingestion

Rinse out mouth and give plenty of water to drink. Do not induce vomiting. Never give anything by mouth to an unconscious person. Call a doctor immediately.

4.2 Most important symptoms and effects, both acute and delayed

Symptoms

burns

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

All quenching (arc-extinguishing) media available. Extinguishing measures to suit surroundings.

Unsuitable extinguishing media

High power water jet

5.2 Special hazards arising from the substance or mixture

In the event of fire, the following can be released: Toxic pyrolysis products; Phosphorus oxides; Nitrogen oxides (NOx); Toxic gases/vapours

5.3 Advice for firefighters

Use self-contained breathing apparatus. Wear protective clothing. Do not inhale explosion and/or combustion byproducts. Fire residues and contaminated firefighting water must be disposed of in accordance with the local regulations.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

Refer to protective measures listed in sections 7 and 8. Use personal protective clothing. Ensure adequate ventilation.

For emergency responders

Personal protective equipment (PPE) - see section 8.

EU safety data sheet

Trade name: KRONES colclean IC 3002

Current version : 1.0.1, issued: 08.06.2021

Replaced version: 1.0.0, issued: 10.02.2020

Region: GB

6.2 Environmental precautions

Do not discharge into the drains/surface waters/groundwater. Do not discharge into the subsoil/soil.

6.3 Methods and material for containment and cleaning up

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations (see section 13).

6.4 Reference to other sections

Information regarding safe handling, see section 7. Information regarding personal protective measures, see section 8. Information regarding waste disposal, see section 13.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Advice on safe handling

Risks inherent to handling the product must be minimised by applying the appropriate protective and preventive measures. Working processes should - so far as possible, according to the state of the art - be designed to rule out bodily contact or the release of hazardous substances. Provide good ventilation at the work area (local exhaust ventilation, if necessary).

General protective and hygiene measures

Do not eat, drink or smoke during work time. Keep away from foodstuffs and beverages. Do not inhale vapours. Avoid contact with eyes and skin. Wash hands before breaks and after work. Remove contaminated clothing and shoes and launder thoroughly before reusing. Have emergency shower available. Provide eye wash fountain in work area.

7.2 Conditions for safe storage, including any incompatibilities

Technical measures and storage conditions

Keep container tightly closed and dry in a cool, well-ventilated place.

Requirements for storage rooms and vessels

Containers which are opened must be carefully closed and kept upright to prevent leakage. Always keep in containers of same material as the original. Provide acid-resistant floor.

Incompatible products

Substances to be avoided, see section 10. Do not store together with: Metals; Alkalies; Reducing agents

7.3 Specific end use(s)

No data available.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational exposure limit values

No	Substance name	CAS no.	EC no.
1	phosphoric acid	7664-38-2	231-633-2
List of approved workplace exposure limits (WELs) / EH40			
Orthophosphoric acid			
	WEL short-term (15 min reference period)	2	mg/m ³
	WEL long-term (8-hr TWA reference period)	1	mg/m ³
2000/39/EC			
Orthophosphoric acid			
	WEL short-term (15 min reference period)	2	mg/m ³
	WEL long-term (8-hr TWA reference period)	1	mg/m ³
2	nitric acid ...% [C > 70 %]	7697-37-2	231-714-2
2006/15/EC			
Nitric acid			
	WEL short-term (15 min reference period)	2.6	mg/m ³ 1 ppm
List of approved workplace exposure limits (WELs) / EH40			
Nitric acid			
	WEL short-term (15 min reference period)	2.6	mg/m ³ 1 ppm

EU safety data sheet

Trade name: KRONES colclean IC 3002

Current version : 1.0.1, issued: 08.06.2021

Replaced version: 1.0.0, issued: 10.02.2020

Region: GB

DNEL, DMEL and PNEC values

DNEL values (worker)

No	Substance name			CAS / EC no
	Route of exposure	Exposure time	Effect	Value
1	phosphoric acid			7664-38-2 231-633-2
	inhalative	Long term (chronic)	local	1 mg/m ³
	inhalative	Short term (acute)	local	2 mg/m ³
	inhalative	Long term (chronic)	systemic	10.7 mg/m ³
2	nitric acid ...% [C > 70 %]			7697-37-2 231-714-2
	inhalative	Long term (chronic)	local	2.6 mg/m ³

DNEL value (consumer)

No	Substance name			CAS / EC no
	Route of exposure	Exposure time	Effect	Value
1	phosphoric acid			7664-38-2 231-633-2
	oral	Long term (chronic)	systemic	0.1 mg/kg/day
	inhalative	Long term (chronic)	local	0.36 mg/m ³
	inhalative	Long term (chronic)	systemic	4.57 mg/m ³
2	nitric acid ...% [C > 70 %]			7697-37-2 231-714-2
	inhalative	Long term (chronic)	local	1.3 mg/m ³

8.2 Exposure controls

Appropriate engineering controls

Provide adequate ventilation. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations of particulates and solvent vapour below the OEL (=Occupational Exposure Limit), suitable respiratory protection must be worn.

Personal protective equipment

Respiratory protection

If workplace exposure limits are exceeded, a respiration protection approved for this particular job must be worn. In case of aerosol and mist formation, take appropriate measures for breathing protection in the event workplace threshold values are not specified.

Respirator ABEKP2

Respiratory filter (gas) : ABEK

Eye / face protection

Safety glasses with side protection shield (EN 166); Tightly fitting safety glasses (EN 166).

Hand protection

Sufficient protection is given wearing suitable protective gloves checked according to i.e. EN 374, in the event of risk of skin contact with the product. Before use, the protective gloves should be tested in any case for its specific work-station suitability (i.e. mechanical resistance, product compatibility and antistatic properties). Adhere to the manufacturer's instructions and information relating to the use, storage, care and replacement of protective gloves. Protective gloves shall be replaced immediately when physically damaged or worn. Design operations thus to avoid permanent use of protective gloves.

Appropriate Material	butyl rubber		
Material thickness	>=	0.7	
Breakthrough time	>=	480	min
Appropriate Material	viton		
Material thickness	>=	0.7	
Breakthrough time	>=	480	min
Appropriate Material	chloroprene		
Material thickness	>=	0.5	mm
Breakthrough time	>=	480	min

Other

Acid-resistant protective clothing

EU safety data sheet

Trade name: KRONES colclean IC 3002

Current version : 1.0.1, issued: 08.06.2021

Replaced version: 1.0.0, issued: 10.02.2020

Region: GB

Environmental exposure controls
No data available.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

State of aggregation	
liquid	
Form/Colour	
liquid	
colourless	
Odour	
characteristic	
pH value	
Value	1
Boiling point / boiling range	
Value	> 100 °C
Melting point/freezing point	
Value	< 0 °C
Decomposition temperature	
No data available	
Flash point	
No data available	
Ignition temperature	
No data available	
Auto-ignition temperature	
Comments	Product is not selfigniting.
Oxidising properties	
not oxidizing	
Flammability	
No data available	
Lower explosion limit	
No data available	
Upper explosion limit	
No data available	
Vapour pressure	
No data available	
Relative vapour density	
No data available	
Relative density	
No data available	
Density	
Value	1.3 g/ml
Reference temperature	20 °C
Solubility in water	
Comments	completely soluble
Solubility	
No data available	

EU safety data sheet

Trade name: KRONES colclean IC 3002

Current version : 1.0.1, issued: 08.06.2021

Replaced version: 1.0.0, issued: 10.02.2020

Region: GB

Partition coefficient n-octanol/water (log value)

No data available

Viscosity

No data available

Particle characteristics

No data available

9.2 Other information

Other information

No data available.

SECTION 10: Stability and reactivity

10.1 Reactivity

Stable at ambient temperature.

10.2 Chemical stability

Stable under recommended storage and handling conditions (See section 7).

10.3 Possibility of hazardous reactions

Dangerous reactions are not to be expected when handling product according to its intended use.

10.4 Conditions to avoid

High temperatures.

10.5 Incompatible materials

None known. Metals; Reducing agents; Oxidizing agents; Alcohols; Amines; Peroxides

10.6 Hazardous decomposition products

None, if handled according to intended use.

SECTION 11: Toxicological information

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute oral toxicity (result of the ATE calculation for the mixture)

No	Product Name
1	KRONES colclean IC 3002
Comments	
The result of the applied calculation method according to the European Regulation (EC) 1272/2008 (CLP), Paragraph 3.1.3.6, Part 3 of Annex I is outside the values that imply a classification / labelling of this mixture according to table 3.1.1 defining the respective categories (ATE oral > 2000 mg/kg).	

Acute oral toxicity

No	Substance name	CAS no.	EC no.
1	phosphoric acid	7664-38-2	231-633-2
LD50		300	- 2000
Species		rat	mg/kg bodyweight
Method		OECD 423	
Source		ECHA	

Acute dermal toxicity

No data available

Acute inhalational toxicity (result of the ATE calculation for the mixture)

No	Product Name
1	KRONES colclean IC 3002
ATE (Mixture)	
Route of exposure / physical form	
Method	
11.1530	
Vapour	
Calculation method according Regulation (EC) No 1272/2008, (CLP), annex I, part 3, section 3.1.3.6.	

EU safety data sheet

Trade name: KRONES colclean IC 3002

Current version : 1.0.1, issued: 08.06.2021

Replaced version: 1.0.0, issued: 10.02.2020

Region: GB

Acute inhalational toxicity			
No	Substance name	CAS no.	EC no.
1	nitric acid ...% [C > 70 %]	7697-37-2	231-714-2
LC50	>	2.65	mg/l
Duration of exposure		4	h
State of aggregation	Vapour		
Species	rat		
Method	OECD 403		
Source	ECHA		

Skin corrosion/irritation			
No	Substance name	CAS no.	EC no.
1	phosphoric acid	7664-38-2	231-633-2
Species	rabbit		
Source	ECHA		
Evaluation	strongly corrosive		

Serious eye damage/irritation			
No	Substance name	CAS no.	EC no.
1	phosphoric acid	7664-38-2	231-633-2
Species	rabbit		
Source	ECHA		
Evaluation	strongly corrosive		

Respiratory or skin sensitisation			
No data available			

Germ cell mutagenicity			
No	Substance name	CAS no.	EC no.
1	phosphoric acid	7664-38-2	231-633-2
Source	ECHA		
Evaluation/classification	Based on available data, the classification criteria are not met.		

Reproduction toxicity			
No	Substance name	CAS no.	EC no.
1	phosphoric acid	7664-38-2	231-633-2
Source	ECHA		
Evaluation/classification	Based on available data, the classification criteria are not met.		

Carcinogenicity			
No data available			

STOT - single exposure			
No data available			

STOT - repeated exposure			
No data available			

Aspiration hazard			
No data available			

11.2 Information on other hazards

Endocrine disrupting properties

No data available.

Other information

No data available.

SECTION 12: Ecological information

12.1 Toxicity

Toxicity to fish (acute)			
No data available			

EU safety data sheet

Trade name: KRONES colclean IC 3002

Current version : 1.0.1, issued: 08.06.2021

Replaced version: 1.0.0, issued: 10.02.2020

Region: GB

Toxicity to fish (chronic)			
No data available			

Toxicity to Daphnia (acute)			
No	Substance name	CAS no.	EC no.
1	phosphoric acid	7664-38-2	231-633-2
EC50	>	100	mg/l
Duration of exposure		48	h
Species	Daphnia magna		
Method	OECD 202		
Source	ECHA		

Toxicity to Daphnia (chronic)			
No data available			

Toxicity to algae (acute)			
No	Substance name	CAS no.	EC no.
1	phosphoric acid	7664-38-2	231-633-2
EC50	>	100	mg/l
Duration of exposure		72	h
Species	Desmodesmus subspicatus		
Method	OECD 201		
Source	ECHA		

Toxicity to algae (chronic)			
No data available			

Bacteria toxicity			
No	Substance name	CAS no.	EC no.
1	phosphoric acid	7664-38-2	231-633-2
EC50	>	1000	mg/l
Duration of exposure		3	h
Species	activated sludge		
Method	OECD 209		
Source	ECHA		

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

Results of PBT and vPvB assessment	
PBT assessment	The product is not considered to be a PBT.
vPvB assessment	The product is not considered to be a vPvB.

12.6 Endocrine disrupting properties

No data available.

12.7 Other adverse effects

No data available.

12.8 Other information

Other information	
Do not discharge product unmonitored into the environment.	

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product

EU safety data sheet

Trade name: KRONES colclean IC 3002

Current version : 1.0.1, issued: 08.06.2021

Replaced version: 1.0.0, issued: 10.02.2020

Region: GB

Disposal of the product should be carried out in accordance with all applicable regulations following consultation with the responsible local authority and the disposal company in an authorised and suitable disposal facility. Allocation of a waste code number, according to the European Waste Catalogue, should be carried out in agreement with the regional waste disposal company.

Packaging

Residues must be removed from packaging and when emptied completely disposed of in accordance with the regulations for waste removal. Incompletely emptied packaging must be disposed of in the form of disposal specified by the regional disposer.

SECTION 14: Transport information

14.1 Transport ADR/RID/ADN

Class	8
Classification code	C1
Packing group	II
Hazard identification no.	80
UN number	UN3264
Proper shipping name	CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S.
Technical name	phosphoric acid nitric acid ...% [C > 70 %]
Tunnel restriction code	E
Label	8

14.2 Transport IMDG

Class	8
Packing group	II
UN number	UN3264
Proper shipping name	CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S.
Technical name	phosphoric acid nitric acid ...% [C > 70 %]
EmS	F-A, S-B
Label	8

14.3 Transport ICAO-TI / IATA

Class	8
Packing group	II
UN number	UN3264
Proper shipping name	Corrosive liquid, acidic, inorganic, n.o.s.
Technical name	phosphoric acid nitric acid ...% [C > 70 %]
Label	8

14.4 Other information

No data available.

14.5 Environmental hazards

Information on environmental hazards, if relevant, please see 14.1 - 14.3.

14.6 Special precautions for user

No data available.

14.7 Maritime transport in bulk according to IMO instruments

Not relevant

SECTION 15: Regulatory information

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

EU regulations

Regulation (EC) No 1907/2006 (REACH) Annex XIV (List of substances subject to authorisation)

According to the data available and/or specifications supplied by upstream suppliers, this product does not contain any substances considered as substances requiring authorisation as listed on Annex XIV of the REACH regulation

EU safety data sheet

Trade name: KRONES colclean IC 3002

Current version : 1.0.1, issued: 08.06.2021

Replaced version: 1.0.0, issued: 10.02.2020

Region: GB

(EC) 1907/2006.

REACH candidate list of substances of very high concern (SVHC) for authorisation

According to available data and the information provided by preliminary suppliers, the product does not contain substances that are considered substances meeting the criteria for inclusion in annex XIV (List of Substances Subject to Authorisation) as laid down in Article 57 and article 59 of REACH (EC) 1907/2006.

Regulation (EC) No 1907/2006 (REACH) Annex XVII: RESTRICTIONS ON THE MANUFACTURE, PLACING ON THE MARKET AND USE OF CERTAIN DANGEROUS SUBSTANCES, MIXTURES AND ARTICLES

The product is considered being subject to REACH regulation (EC) 1907/2006 annex XVII.

No 3

Directive 2012/18/EU on the control of major-accident hazards involving dangerous substances

This product is not subject to Part 1 or 2 of Annex I.

Other regulations

Adhere to the national sanitary and occupational safety regulations when using this product.

15.2 Chemical safety assessment

No data available.

SECTION 16: Other information

Sources of key data used to compile the data sheet:

Regulation (EC) No 1907/2006 (REACH), 1272/2008 (CLP) as amended in each case.

Directives 2000/39/EC, 2006/15/EC, 2009/161/EU, (EU) 2017/164.

National Threshold Limit Values of the corresponding countries as amended in each case.

Transport regulations according to ADR, RID, IMDG, IATA as amended in each case.

The data sources used to determine physical, toxic and ecotoxic data, are indicated directly in the corresponding section.

Full text of the H- and EUH- phrases drawn up in sections 2 and 3 (provided not already drawn up in these sections)

H272	May intensify fire; oxidiser.
H302	Harmful if swallowed.
H318	Causes serious eye damage.
H331	Toxic if inhaled.

Notes relating to the identification, classification and labelling of substances and mixtures ((EC) No 1272/2008, Annex VI)

B Some substances (acids, bases, etc.) are placed on the market in aqueous solutions at various concentrations and, therefore, these solutions require different classification and labelling since the hazards vary at different concentrations. In Part 3 entries with Note B have a general designation of the following type: 'nitric acid ... %'. In this case the supplier must state the percentage concentration of the solution on the label. Unless otherwise stated, it is assumed that the percentage concentration is calculated on a weight/weight basis.

Creation of the safety data sheet

UMCO GmbH - D-21107 Hamburg, Georg-Wilhelm-Strasse 187, Tel.: +49(40)555 546 300, Fax: +49(40)555 546 357, e-mail: umco@umco.de

This information is based on our present knowledge and experience.

The safety data sheet describes products with a view to safety requirements.

It does not however, constitute a guarantee for any specific product properties and shall not establish a legally valid contractual relationship.

Alterations/supplements:

Alterations to the previous edition are marked in the left-hand margin.

Document protected by copyright. Alterations or reproductions require the express written permission of UMCO GmbH.

Prod-ID 760634