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

1.1 Product identifier

Trade name

Triple Acid Star

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

Relevant identified uses of the substance or mixture

Cleaner

Uses advised against

No data available.

1.3 Details of the supplier of the safety data sheet

Address

Koch-Chemie GmbH Einsteinstr. 42 D-59423 Unna

Telephone no. +49-2303-9 86 70-0 Fax no. +49-2303-9 86 70-26

1.4 Emergency telephone number

No data available.

SECTION 2: Hazards identification

.1 Classification of the substance or mixture

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

Acute Tox. 4; H302 Acute Tox. 4; H312 Eye Dam. 1; H318 Met. Corr. 1; H290 Skin Corr. 1; H314

Classification information

Product is classified as "Corrosive" based on the extreme pH-value, see:

- Regulation 1272/2008 (CLP), Annex. I, number 3.2.2.2 / 3.2.3.1.2

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

Danger

Hazardous component(s) to be indicated on label:

phosphoric acid

Signal word

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2-propylheptane-1-ol, ethoxylated

hydrochloric acid Hydrofluoric acid Hazard statement(s)

H290 May be corrosive to metals.

H302+H312 Harmful if swallowed or in contact with skin. H314 Causes severe skin burns and eye damage.

Precautionary statement(s)

P260 Do not breathe vapours/spray.

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): 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. Immediately call a POISON CENTER/doctor. Absorb spillage to prevent material damage.

2.3 Other hazards

P310

P390

PBT assessment

According to the information provided in the supply chain, the mixture does not contain > 0.1% of a substance that is considered to be PBT.

vPvB assessment

According to the information provided in the supply chain, the mixture does not contain > 0.1% of a substance that is considered to be 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 /	Classification (EC) 1272/2008 (CLP)	Conce	entration	%
	REACH no				
1	phosphoric acid				
	7664-38-2	Met. Corr. 1; H290	>=	10,00 - < 25,00	wt%
	231-633-2	Skin Corr. 1B; H314			
	015-011-00-6	Acute Tox. 4; H302			
	01-2119485924-24	Eye Dam. 1; H318			
2	2-propylheptane-1-ol, ethoxylated				
	160875-66-1	Eye Dam. 1; H318	>=	10,00 - < 25,00	wt%
	-	Acute Tox. 4; H302			
	-				
	-				
3	hydrochloric acid		pls. re	fer to footnote (2)	
	7647-01-0	Met. Corr. 1; H290	>=	5,00 - < 10,00	wt%
	231-595-7	Skin Corr. 1B; H314			
	017-002-01-X	Eye Dam. 1; H318			
	01-2119484862-27	STOT SE 3; H335			
4	Hydrofluoric acid				
	7664-39-3	Acute Tox. 1; H310	<	0,50	wt%

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231-634-8	Acute Tox. 2; H330	
009-003-00-1	Acute Tox. 2; H300	
01-2119458860-33	Skin Corr. 1A; H314	
	Eye Dam. 1; H318	

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	В	Skin Irrit. 2; H315: C >= 10%	-	-
		Eye Irrit. 2; H319: C >= 10%		
	 	Skin Corr. 1B; H314: C >= 25%		
3	В	Met. Corr. 1; H290: C >= 0,1%	-	-
		Skin Irrit. 2; H315: C >= 1%		
		Eye Dam. 1; H318: C >= 1%		
		STOT SE 3; H335: C >= 10%		
		Skin Corr. 1B; H314: C >= 10%		
		Skin Corr. 1A; H314: C >= 25%		
4	-	Eye Irrit. 2; H319: C >= 0,1%	-	=
		Skin Corr. 1B; H314: C >= 1%		
		Eye Dam. 1; H318: C >= 1%		
		Skin Corr. 1A; H314: C >= 7%		

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)".

Acu	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

Adhere to personal protective measures when giving first aid. In case of accident or if you feel unwell, seek medical advice immediately. Remove contaminated clothing and shoes immediately, and launder thoroughly before reusing. Poisonous symptoms can first be observed after several hours, therefore medical observation for at least 48 hours is necessary.

After inhalation

Remove affected persons from dangerous area by observing suitable respiratory protection measures. Ensure supply of fresh air. Call a doctor immediately. Do not use mouth-to-mouth or mouth-to-nose resuscitation. Irregular breathing/no breathing: artificial respiration.

After skin contact

Wash immediately with plenty of water for several minutes. Apply Calcium gluconate gel and massage into the skin until the pain subsides, in between rinse with water and apply fresh gel. Continue gel therapy for another 15 minutes after the pain has subsided. Immediate medical treatment necessary, as untreated burns can result in slow-healing wounds.

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 the mouth thoroughly with water. If possible, administer the contents of 1-4 drinking ampoules of "frubiase® calcium T" (depending on the amount of hydrofluoric acid swallowed) in small sips. 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

No data available.

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4.3 Indication of any immediate medical attention and special treatment needed

No data available.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media

Water spray jet; Foam; Carbon dioxide; Dry chemical extinguisher

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: Carbon monoxide (CO); Carbon dioxide (CO2); Hydrogen fluoride (HF); Phosphorus oxides

5.3 Advice for firefighters

Use self-contained breathing apparatus. Wear full protective suit. Run-off water from fire fighting must not be discharged into drains or enter surface water.

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. Do not inhale vapours/aerosols.

For emergency responders

Personal protective equipment (PPE) - see section 8.

6.2 Environmental precautions

Do not discharge into the drains/surface waters/groundwater. Do not discharge into the subsoil/soil. In case of entry into waterways, soil or drains, inform the responsible authorities.

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). Flush away residues with water.

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.

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. Provide calcium gluconate gel

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. Prevent unauthorised access.

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Requirements for storage rooms and vessels

Containers which are opened must be carefully closed and kept upright to prevent leakage. Keep only in the original container.

Incompatible products

Substances to be avoided, see section 10.

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	
	Occupational Exposure Limit Values (Schedule V, Oc	cupational He	ealth and Saf	ety Authority	Act)
	Orthophosphoricacid	•			ĺ
	WEL short-term (15 min reference period)	2	mg/m³		
	WEL long-term (8-hr TWA reference period)	1	mg/m³		
	Occupational Exposure Limit Values (Schedule V, Oc	cupational He	ealth and Saf	ety Authority	Act)
	Orthophosphoric acid				
	WEL short-term (15 min reference period)	2	mg/m³		
	WEL long-term (8-hr TWA reference period)	1	mg/m³		
	2000/39/EC				
	Orthophosphoric acid				
	WEL short-term (15 min reference period)	2	mg/m³		
	WEL long-term (8-hr TWA reference period)	1	mg/m³		
2	hydrochloric acid	7647-01-0		231-595-7	
	Occupational Exposure Limit Values (Schedule V, Oc	cupational He	ealth and Saf	ety Authority A	Act)
	Hydrogen chloride				
	WEL short-term (15 min reference period)	15	mg/m³	10	ppm
	WEL long-term (8-hr TWA reference period)	8	mg/m³	5	ppm
	2000/39/EC				
	Hydrogen chloride	-			
	WEL short-term (15 min reference period)	15	mg/m³	10	ppm
	WEL long-term (8-hr TWA reference period)	8	mg/m³	5	ppm
3	Hydrofluoric acid	7664-39-3		231-634-8	
	Occupational Exposure Limit Values (Schedule V, Oc	cupational He	ealth and Saf	ety Authority A	Act)
	Hydrogen fluoride	1			
	WEL short-term (15 min reference period)	2,5	mg/m³	3	ml/m³
	WEL long-term (8-hr TWA reference period)	1,5	mg/m³	1,8	ml/m³
	Occupational Exposure Limit Values (Schedule V, Oc	cupational He	ealth and Saf	ety Authority A	Act)
	Hydrogen fluoride	1			
	WEL short-term (15 min reference period)	2.5	mg/m³	3	ppm
	WEL long-term (8-hr TWA reference period)	1.5	mg/m³	1.8	ppm
	2000/39/EC				
	Hydrogen fluoride	1			
	WEL short-term (15 min reference period)	2,5	mg/m³	3	ppm
	WEL long-term (8-hr TWA reference period)	1,5	mg/m³	1,8	ppm
	2000/39/EC				
	Fluorides, inorganic	105	1 2		
	WEL long-term (8-hr TWA reference period)	2,5	mg/m³		

DNEL, DMEL and PNEC values

DNEL values (worker)

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No	Substance name			CAS / EC	C no
	Route of exposure	Exposure time	Effect	Value	
1	phosphoric acid		·	7664-38- 231-633-	
	inhalative	Long term (chronic)	local	1	mg/m³
	inhalative	Short term (acut)	local	2	mg/m³
	inhalative	Long term (chronic)	systemic	10,7	mg/m³
2	2 hydrochloric acid			7647-01- 231-595-	*
	inhalative	Short term (acut)	local	15	mg/m³
	inhalative	Long term (chronic)	local	8	mg/m³
3	Hydrofluoric acid			7664-39- 231-634-	-
	inhalative	Long term (chronic)	systemic	1,5	mg/m³
	inhalative	Short term (acut)	systemic	2,5	mg/m³
	inhalative	Long term (chronic)	local	1,5	μg/m³
	inhalative	Short term (acut)	local	2,5	μg/m³

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/m³
	inhalative	Long term (chronic)	systemic	4,57	mg/m³
2	Hydrofluoric acid			7664-39-3	
				231-634-8	
	oral	Long term (chronic)	systemic	0,01	mg/kg/day
	oral	Short term (acut)	systemic	0,01	mg/kg/day
	inhalative	Long term (chronic)	systemic	0,03	mg/m³
	inhalative	Short term (acut)	systemic	0,03	mg/m³
	inhalative	Long term (chronic)	local	0,2	mg/m³
	inhalative	Short term (acut)	local	1,25	mg/m³

PNEC values

No	Substance name		CAS / EC no
	ecological compartment	Туре	Value
1	hydrochloric acid		7647-01-0
			231-595-7
	water	fresh water	0,036 mg/L
	water	marine water	0,036 mg/L
	water	Aqua intermittent	0,045 mg/L
	sewage treatment plant	-	0,036 mg/L

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. combination filter

Respirator A B E P3

Eye / face protection

EU safety data sheet

KochChemie° ExcellenceForExperts.

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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 workstation 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

Material thickness > 0,5 mm
Breakthrough time > 120 min

Other

Chemical-resistant work clothes.

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	
red	
Odour	
characteristic	
pH value	
Value	0
Boiling point / boiling range	
No data available	
Melting point/freezing point	
No data available	
Decomposition temperature	
No data available	
Flash point	
No data available	
Ignition temperature	
No data available	
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	

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Relative density	
No data available	

Density	
Value	1,16 g/cm³
Reference temperature	20 °C

Solubility in water

Comments miscible

Solubility
No data available

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

No data available.

10.2 Chemical stability

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

10.3 Possibility of hazardous reactions

Formation of hydrogen gas possible on contact with certain metals (f.e. aluminium)

10.4 Conditions to avoid

None, if handled according to intended use.

10.5 Incompatible materials

Alkalis; Oxidizing agents; Corrosive to metals.

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

Acu	Acute oral toxicity (result of the ATE calculation for the mixture)				
No	Product Name				
1	Triple Acid Star				
ATE	TE (Mixture) 643,67 mg/kg				
Meth	thod Calculation method according Regulation (EC) No 1272/2008,				
	(CLP), annex I, part 3, section 3.1.3.6.				

Acu	Acute oral toxicity				
No	Substance name		CAS no.		EC no.
1	phosphoric acid		7664-38-2		231-633-2
LD5	0	300	-	2000	mg/kg bodyweight
Spe	cies	rat			
Meth	nod	OECD 423			

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Source ECHA

Acu	Acute dermal toxicity (result of the ATE calculation for the mixture)				
No	Product Name				
1	Triple Acid Star				
ATE	E (Mixture) 1050,42 mg/kg				
Meth	ethod Calculation method according Regulation (EC) No 1272/2008,				
	(CLP), annex I, part 3, section 3.1.3.6.				

Acute dermal toxicity No data available

Acu	Acute inhalational toxicity (result of the ATE calculation for the mixture)					
No	Product Name					
1	Triple Acid Star	Triple Acid Star				
Con	nments	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 for inhalation: > 20.000 ppmV (gases), > 20 mg/l (vapours), > 5 mg/l (dusts/mists).				

Acute inhalational toxicity No data available

Skin corrosion/irritation No data available

Seri	Serious eye damage/irritation			
No	Substance name	CAS no.	EC no.	
1	phosphoric acid	7664-38-2	231-633-2	
Spe	cies	rabbit		
Sou	rce	ECHA		
Eva	luation	strongly corrosive		
2	hydrochloric acid	7647-01-0	231-595-7	
Spe	cies	rabbit		
with	reference to	10% HCI		
Met	hod	OECD 405		
Sou	rce	ECHA		
Eva	luation	Irreversible effects on the eye		

Respiratory	Respiratory or skin sensitisation					
No Substar	nce name	CAS no.	. EC no.			
1 hydroch	nloric acid	7647-01-	-0 231-595-7			
Route of expo	osure	Skin				
Species		guinea pig				
		98% HCI				
Method		OECD 406				
Source		ECHA				
Evaluation		non-sensitizing				

Ger	m cell mutagenicity			
No	Substance name	CAS no.	EC no.	
1	phosphoric acid	7664-38-2	231-633-2	
Sou	rce	ECHA		
Evaluation/classification		Based on available data, the classification criteria are not met.		
2	hydrochloric acid	7647-01-0	231-595-7	
Sou	rce	ECHA		
Eva	luation/classification	Based on available data, the classification	n criteria are not met.	
3	Hydrofluoric acid	7664-39-3	231-634-8	
Met	hod	OECD 471		

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Source	ECHA	
Evaluation/classification	Based on available data, the classification criteria are not met.	

Rep	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 classif	fication criteria are not met			

Carcinogenicity		
No Substance name	CAS no.	EC no.
1 hydrochloric acid	7647-01-0	231-595-7
Route of exposure	inhalational	
Species	rat	
Method	OECD 451	
Source	ECHA	
Evaluation/classification	Based on available data, the classification	n criteria are not met.

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	Substance name	CAS	no.	EC no.		
1	hydrochloric acid	7647	-01-0	231-595-7		
LC5	0	3,25	- 3,5	mg/l		
Duration of exposure			96	h		
Species		Lepomis macrochir	us			
with reference to		100% HCI				
Source		ECHA				

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	
EC5	0	>	100	mg/l	
Dura	ation of exposure		48	h	
Spe	cies	Daphnia magna			
Method		OECD 202			
Soul	ce	ECHA			
2	hydrochloric acid	7647-01-0		231-595-7	
EC5	0		4,92	mg/l	
Dura	ation of exposure		48	h	
Spe	cies	Daphnia magna			

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with reference to	36% HCI
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	
EC5	0	>	100	mg/l	
Dura	ation of exposure		72	h	
Spe	cies	Desmodesmus subspicatus			
Method		OECD 201			
Source		ECHA			
2	hydrochloric acid	7647-01-0		231-595-7	
EC5	0		4,7	mg/l	
Duration of exposure			72	h	
Species		Chlorella vulgaris			
with reference to		36% HCI			
Method		OECD 201			
Source		ECHA			

Toxicity to algae (chronic) No data available

Bacteria toxicity						
No Substance n	ame		CAS no.		EC no.	
1 phosphoric a	acid		7664-38-2		231-633-2	
EC50		>		1000	mg	/I
Duration of exposu	ıre			3	h	
Species		activated slud	dge			
Method		OECD 209				
Source		ECHA				
2 hydrochlorid	acid		7647-01-0		231-595-7	
EC50		5	-	5,5	mg	/I
Duration of exposure				3	h	
Species		activated slud	dge			
with reference to		36% HCI				
Method		OECD 209				
Source		ECHA				

12.2 Persistence and degradability

No data available.

12.3 Bioaccumulative potential

Biod	Bioconcentration factor (BCF)					
No	Substance name	CA	S no.	EC no.		
1	Hydrofluoric acid	766	64-39-3	231-634-8		
BCF		53	- 58			
Source		ECHA				

12.4 Mobility in soil

No data available.

12.5 Results of PBT and vPvB assessment

Results of PBT and vPvB assessment				
PBT assessment	According to the information provided in the supply chain, the mixture does not contain > 0.1% of a substance that is considered to be PBT.			

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According to the information provided in the supply chain, the vPvB assessment mixture does not contain > 0.1% of a substance that is considered to be vPvB.

Endocrine disrupting properties

No data available.

Other adverse effects

No data available.

12.7 Other information

Other information

Do not discharge product unmonitored into the environment.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product

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 C1 Classification code Packing group Ш Hazard identification no. 80 **UN** number UN3264

CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S. Proper shipping name

Technical name phosphoric acid

hydrochloric acid

Tunnel restriction code Ε 8 Label

14.2 Transport IMDG

Class 8 Packing group UN3264 **UN** number

CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S. Proper shipping name

Technical name phosphoric acid hydrochloric acid

FmS F-A, S-B Label

14.3 Transport ICAO-TI / IATA

Class 8 Packing group Ш UN number

Proper shipping name Corrosive liquid, acidic, inorganic, n.o.s.

Trade name: Triple Acid Star

Product no.: 242999

Current version: 1.0.0, issued: 21.12.2020 Replaced version: -, issued: - Region: MT

Technical name phosphoric acid

hydrochloric acid

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 (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.

Employment restrictions, according to the regulations for protection of expectant and nursing mothers and the youth health and safety regulations, serving to protect against hazardous materials, should be observed.

The surfactants contained in this product comply with the DetVO 648/2004/EC.

15.2 Chemical safety assessment

A chemical safety assessment has not been carried out for this mixture.

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)

H300 Fatal if swallowed.

Trade name: Triple Acid Star

Product no.: 242999

Current version: 1.0.0, issued: 21.12.2020 Replaced version: -, issued: - Region: MT

H302	Harmful if swallowed.
H310	Fatal in contact with skin.
H312	Harmful in contact with skin.
H318	Causes serious eye damage.
H330	Fatal if inhaled.
11005	B.A

H335 May cause respiratory irritation.

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

В

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

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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.

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