

 MATT CHEM[®] PRODUCT & C^o	SAFETY DATA SHEET
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(REACH regulation (EC) n° 1907/2006 - n° 2020/878)

SECTION 1 : IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

- 1.1. Product identifier
Product name : ANTI RUST
Product description : Rust stains remover for gelcoat and paint
UFI : TFM2-W08M-R00G-WTJF
- 1.2. Relevant identified uses of the substance or mixture and uses advised against
- 1.3. Details of the supplier of the safety data sheet
Registered company name : MATT CHEM SAS
Address : 37, rue de Fontenay (92) Bagneux FRANCE
Telephone : +33 (0)1 42 53 73 73
E-mail : info@mattchem.fr
- 1.4. Emergency telephone number: +33 (0)1-45-42-59-59.
Association/Organisation: ORPHILA - INRS - <http://www.centres-antipoison.net>.

SECTION 2 : HAZARDS IDENTIFICATION

- 2.1. Classification of the substance or mixture
In compliance with EC regulation No. 1272/2008 and its amendments.
Skin corrosion, Category 1B (Skin Corr. 1B, H314).
Serious eye damage, Category 1 (Eye Dam. 1, H318).
This mixture does not present a physical hazard. Refer to the recommendations regarding the other products present on the site.
This mixture does not present an environmental hazard. No known or foreseeable environmental damage under standard conditions of use.
- 2.2. Label elements
Detergent mixture (see section 15).
In compliance with EC regulation No. 1272/2008 and its amendments.
Hazard pictograms :



- GHS05
Signal Word :
DANGER
Product identifiers :
EC 231-633-2 PHOSPHORIC ACID
Hazard statements :
H314 Causes severe skin burns and eye damage.
Precautionary statements - Prevention :
P280 Wear protective gloves/protective clothing/eye protection/face protection/hearing protection/ ...
Precautionary statements - Response :
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.
P363 Wash contaminated clothing before reuse.

- 2.3. Other hazards
The mixture does not contain substances classified as 'Substances of Very High Concern' (SVHC) $\geq 0.1\%$ published by the European Chemicals Agency (ECHA) under article 57 of REACH: <http://echa.europa.eu/fr/candidate-list-table>
The mixture fulfils neither the PBT nor the vPvB criteria for mixtures in accordance with annexe XIII of the REACH regulations EC 1907/2006.
The mixture does not contain substances $\geq 0.1\%$ with endocrine disrupting properties in accordance with the criteria of the Delegated Regulation (EU) 2017/2100 of the Commission or Regulation (EU) 2018/605 of the Commission.

SECTION 3 : COMPOSITION/INFORMATION ON INGREDIENTS

- 3.2. Mixtures
Composition :

Identification	(EC) 1272/2008	Note	%
INDEX: 603_002_00_5	GHS07, GHS02	[1]	10 \leq x % < 25

CAS: 64-17-5 EC: 200-578-6 REACH: 01-2119457610-43-xxxx	Dgr Flam. Liq. 2, H225 Eye Irrit. 2, H319		
ETHYL ALCOHOL INDEX: 79_33_4 CAS: 79-33-4 EC: 201-196-2 REACH: 01-2119474164-39-0000	GHS05 Dgr Skin Irrit. 2, H315 Eye Dam. 1, H318		2.5 <= x % < 10
LACTIC ACID INDEX: 015_011_00_6 CAS: 7664-38-2 EC: 231-633-2 REACH: 01-2119485924-24	GHS07, GHS05 Dgr Met. Corr. 1, H290 Acute Tox. 4, H302 Skin Corr. 1B, H314	B [1]	2.5 <= x % < 10
PHOSPHORIC ACID INDEX: 016_020_00_8 CAS: 7664-93-9 EC: 231-639-5 REACH: 01-2119458838-20	GHS05 Dgr Skin Corr. 1A, H314	B [1]	2.5 <= x % < 10
SULPHURIC ACID INDEX: 68439_50_9 U CAS: 68439-50-9	GHS07, GHS09 Wng Eye Irrit. 2, H319 Aquatic Chronic 3, H412 Aquatic Acute 1, H400 M Acute = 1		0 <= x % < 2.5
ALCOHOLS, C12-14, ETHOXYLATED (4 MOLES ETHOXYLATED)			
INDEX: 68439_50_9 CAS: 68439-50-9 EC: 500-213-3 REACH: 01-2119487984-16	GHS09 Wng Aquatic Chronic 3, H412 Aquatic Acute 1, H400 M Acute = 1		0 <= x % < 2.5
FATTY ALCOHOL ETHOXYLATE			

Specific concentration limits:

Identification	Specific concentration limits	ATE
INDEX: 79_33_4 CAS: 79-33-4 EC: 201-196-2 REACH: 01-2119474164-39-0000	Eye Dam. 1: H318 C>= 25% Eye Irrit. 2: H319 10% <= C < 25%	oral: ATE = 3543 mg/kg BW
LACTIC ACID INDEX: 015_011_00_6 CAS: 7664-38-2 EC: 231-633-2 REACH: 01-2119485924-24	Eye Dam. 1: H318 C>= 25% Eye Irrit. 2: H319 10% <= C < 25%	
PHOSPHORIC ACID INDEX: 016_020_00_8 CAS: 7664-93-9 EC: 231-639-5 REACH: 01-2119458838-20	Skin Corr. 1A: H314 C>= 15% Skin Irrit. 2: H315 5% <= C < 15% Eye Dam. 1: H318 C>= 15% Eye Irrit. 2: H319 5% <= C < 15%	inhalation: ATE = 510 mg/l oral: ATE = 2140 mg/kg BW
SULPHURIC ACID		

Information on ingredients :

(Full text of H-phrases: see section 16)

[1] Substance for which maximum workplace exposure limits are available.

SECTION 4 : FIRST AID MEASURES

As a general rule, in case of doubt or if symptoms persist, always call a doctor. NEVER induce swallowing by an unconscious person.

4.1. description of first aid measures

In the event of splashes or contact with eyes :

Wash thoroughly with fresh, clean water for 15 minutes holding the eyelids open.

Regardless of the initial state, refer the patient to an ophthalmologist and show him the label.

In the event of splashes or contact with skin :

Remove any soiled or splashed clothing immediately.

Watch out for any remaining product between skin and clothing, watches, shoes, etc.

If the contaminated area is widespread and/or there is damage to the skin, a doctor must be consulted or the patient transferred to hospital. N/A

In the event of swallowing :

Do not give the patient anything orally.

In the event of swallowing, if the quantity is small (no more than one mouthful), rinse the mouth with water and consult a doctor.
Keep the person exposed at rest. Do not force vomiting.

Seek medical attention immediately, showing the label.

If swallowed accidentally, call a doctor to ascertain whether observation and hospital care will be necessary. Show the label.

N/A

N/A

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

No data available.

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

No data available.

SECTION 5 : FIREFIGHTING MEASURES

Non-flammable.

5.1. Extinguishing media Suitable methods of extinction In the event of a fire, use :

- sprayed water or water mist
- foam
- multipurpose ABC powder
- BC powder
- carbon dioxide (CO₂)

Unsuitable methods of extinction

In the event of a fire, do not use :

- water jet

5.2. Special hazards arising from the substance or mixture

A fire will often produce a thick black smoke. Exposure to decomposition products may be hazardous to health. Do not breathe in smoke.

In the event of a fire, the following may be formed :

- carbon monoxide (CO)
- carbon dioxide (CO₂)

5.3. Advice for firefighters

No data available.

SECTION 6 : ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Consult the safety measures listed under headings 7 and 8. Accidental discharge may be to generate slipping surface. For non first aid worker

Avoid any contact with the skin and eyes.

For first aid worker

First aid workers will be equipped with suitable personal protective equipment (See section 8).

6.2. Environmental precautions

Contain and control the leaks or spills with non-combustible absorbent materials such as sand, earth, vermiculite, diatomaceous earth in drums for waste disposal.

Prevent any material from entering drains or waterways.

6.3. Methods and material for containment and cleaning up

Neutralise with an alkaline decontaminant, such as an aqueous solution of sodium carbonate or similar.

If the ground is contaminated, once the product has been recovered by sponging with an inert and non-combustible absorbent material, wash the contaminated area in plenty of water.

Clean preferably with a detergent, do not use solvents. To rinse with clear water.

6.4. Reference to other sections

No data available.

SECTION 7 : HANDLING AND STORAGE

Requirements relating to storage premises apply to all facilities where the mixture is handled.

7.1. Precautions for safe handling

Always wash hands after handling.

Remove and wash contaminated clothing before re-using.

Ensure that there is adequate ventilation, especially in confined areas.

Emergency showers and eye wash stations will be required in facilities where the mixture is handled constantly. Use household gloves for handling + eye protection.

Fire prevention :

Handle in well-ventilated areas.

Prevent access by unauthorised personnel.

Recommended equipment and procedures :

For personal protection, see section 8.

Observe precautions stated on label and also industrial safety regulations.

Packages which have been opened must be reclosed carefully and stored in an upright position.

Prohibited equipment and procedures :

No smoking, eating or drinking in areas where the mixture is used.

7.2. Conditions for safe storage, including any incompatibilities

Store in original recork packing in fresh zone, aside freezing, heat and sun reverberation.

Storage

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

The floor must be impermeable and form a collecting basin so that, in the event of an accidental spillage, the liquid cannot spread beyond this area.

Packaging

Always keep in packaging made of an identical material to the original.

7.3. Specific end use(s)

No data available.

SECTION 8 : EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters Occupational exposure limits :

- European Union (2022/431, 2019/1831, 2017/2398, 2017/164, 2009/161, 2006/15/CE, 2000/39/CE, 98/24/CE) :

CAS	VME-mg/m3 :	VME-ppm :	VLE-mg/m3 :	VLE-ppm :	Notes :
7664-38-2	1	-	2	-	-
7664-93-9	0.05	-	-	-	-

- ACGIH TLV (American Conference of Governmental Industrial Hygienists, Threshold Limit Values, 2010) :

CAS	TWA :	STEL :	Ceiling :	Definition :	Criteria :
64-17-5		1000 ppm		A3	
7664-38-2	1 mg/m3	3 mg/m3			
7664-93-9	0.2 (T) mg/m3			A2 (M)	

- Germany - AGW (BAuA - TRGS 900, 02/2022) :

CAS	VME :	VME :	Excess	Notes
64-17-5		200 ppm 380 mg/m ³		4(II)
7664-38-2		2E mg/m ³		2(I)
7664-93-9		0.1 E mg/m ³		1(I)

- France (INRS - Outils 65 / 2021-1849, 2021-1763, decree of 09/12/2021) :

CAS	VME-ppm :	VME-mg/m3 :	VLE-ppm :	VLE-mg/m3 :	Notes :	TMP No :
64-17-5	1000	1900	5000	9500	-	84
7664-38-2	0.2	1	0.5	2	-	-
7664-93-9	-	0.05t	-	3	-	-

- UK / WEL (Workplace exposure limits, EH40/2005, Fourth Edition 2020) :

CAS	TWA :	STEL :	Ceiling :	Definition :	Criteria :
64-17-5	1000 ppm 1920 mg/m ³				
7664-38-2	1 mg/m ³	2 mg/m ³			
7664-93-9	0.05 mg/m ³			The mist is defined as the thoracic fraction	

Derived no effect level (DNEL) or derived minimum effect level (DMEL):

SULPHURIC ACID ...% (CAS: 7664-93-9)

Final use: Workers.
 Exposure method: Inhalation.
 Potential health effects: Short term local effects.
 DNEL : 0.1 mg of substance/m3

Exposure method: Inhalation.
 Potential health effects: Long term local effects.
 DNEL : 0.05 mg of substance/m3

PHOSPHORIC ACID ...% (CAS: 7664-38-2)
 Final use: Workers.
 Exposure method: Inhalation.
 Potential health effects: Long term local effects.
 DNEL : 1 mg of substance/m3

Exposure method: Inhalation.
 Potential health effects: Long term systemic effects.
 DNEL : 10.7 mg of substance/l

Exposure method: Inhalation.
 Potential health effects: Short term local effects.
 DNEL : 2 mg of substance/m3

Final use: Consumers.
 Exposure method: Dermal contact.
 Potential health effects: Long term systemic effects.
 DNEL : 0.1 mg/kg body weight/day

Exposure method: Inhalation.

Potential health effects: Long term local effects.
DNEL : 0.36 mg of substance/m3

Exposure method: Inhalation.
Potential health effects: Long term systemic effects.
DNEL : 4.57 mg of substance/m3

ETHYL ALCOHOL (CAS: 64-17-5)

Final use: Workers.
Exposure method: Dermal contact.
Potential health effects: Long term systemic effects.
DNEL : 343 mg/kg body weight/day

Exposure method: Inhalation.
Potential health effects: Short term local effects.
DNEL : 19 mg of substance/m3

Exposure method: Inhalation.
Potential health effects: Long term systemic effects.
DNEL : 950 mg of substance/m3

Predicted no effect concentration (PNEC):

SULPHURIC ACID ...% (CAS: 7664-93-9)

Environmental compartment: Fresh water.
PNEC : 0.0025 mg/l

Environmental compartment: Sea water.
PNEC : 0.00025 mg/l

Environmental compartment: Fresh water sediment.
PNEC : 0.002 mg/kg

Environmental compartment: Marine sediment.
PNEC : 0.002 mg/kg

Environmental compartment: Waste water treatment plant.
PNEC : 8.8 mg/l

LACTIC ACID (CAS: 79-33-4)

Environmental compartment: Fresh water.
PNEC : 1.3 mg/l

Environmental compartment: Waste water treatment plant.
PNEC : 10 mg/l

ETHYL ALCOHOL (CAS: 64-17-5)

Environmental compartment: Soil.
PNEC : 0.63 mg/kg

Environmental compartment: Fresh water.
PNEC : 0.96 mg/l

Environmental compartment: Sea water.
PNEC : 0.79 mg/l

Environmental compartment: Fresh water sediment.
PNEC : 3.6 mg/kg

Environmental compartment: Marine sediment.
PNEC : 2.9 mg/kg

Environmental compartment: Fresh water predators (oral).
PNEC : 0.72

8.2. Exposure controls

Personal protection measures, such as personal protective equipment

Pictogram(s) indicating the obligation of wearing personal protective equipment (PPE) :



Use personal protective equipment that is clean and has been properly maintained. Store personal protective equipment in a clean place, away from the work area.

Never eat, drink or smoke during use. Remove and wash contaminated clothing before re-using. Ensure that there is adequate ventilation, especially in confined areas.

- Eye / face protection

Avoid contact with eyes.

Use eye protectors designed to protect against liquid splashes

Before handling, wear safety goggles with protective sides accordance with standard EN166. In the event of high danger, protect the face with a face shield.

Prescription glasses are not considered as protection.

Individuals wearing contact lenses should wear prescription glasses during work where they may be exposed to irritant vapours.

Provide eyewash stations in facilities where the product is handled constantly.

- Hand protection

Wear suitable protective gloves in the event of prolonged or repeated skin contact.

Use suitable protective gloves that are resistant to chemical agents in accordance with standard EN ISO 374-1. Gloves must be selected according to the application and duration of use at the workstation.

Protective gloves need to be selected according to their suitability for the workstation in question : other chemical products that may be handled, necessary physical protections (cutting, pricking, heat protection), level of dexterity required.

Type of gloves recommended :

- PVC (polyvinyl chloride)
- Butyl Rubber (Isobutylene-isoprene copolymer)
- Nitrile rubber (butadiene-acrylonitrile copolymer rubber (NBR))
- Body protection

Avoid skin contact.

Wear suitable protective clothing. Suitable type of protective clothing :

In the event of substantial spatter, wear liquid-tight protective clothing against chemical risks (type 3) in accordance with EN14605/A1 to prevent skin contact.

In the event of a risk of splashing, wear protective clothing against chemical risks (type 6) in accordance with EN13034/A1 to prevent skin contact.

Wear suitable protective clothing and, in particular, an apron and boots. These items of clothing shall be maintained in good condition and cleaned after use.

Wear suitable protective clothing, in particular overalls and boots. These items must be kept in good condition and cleaned after use. Suitable type of protective boots :

In the event of minor spatter, wear protective boots or half-boots against chemical risks in accordance with standard EN13832-2.

In the event of prolonged contact, wear boots or half-boots with liquid-chemical-resistant and waterproof soles and uppers in accordance with standard EN13832-3.

Work clothing worn by personnel shall be laundered regularly.

After contact with the product, all parts of the body that have been soiled must be washed.

SECTION 9 : PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Physical state

Physical state : Fluid liquid.

Colour Unspecified

Odour

Odour threshold : Not stated.

Melting point

Melting point/melting range : Not specified.

Freezing point

Freezing point / Freezing range : Not stated.

Boiling point or initial boiling point and boiling range

Boiling point/boiling range : Not specified.

Flammability

Flammability (solid, gas) : Not stated.

Lower and upper explosion limit

Explosive properties, lower explosivity limit (%) : Not stated.

Explosive properties, upper explosivity limit (%) : Not stated.

Flash point

Flash point interval : Not relevant.

Auto-ignition temperature

Self-ignition temperature : Not specified.

Decomposition temperature

Decomposition point/decomposition range :	Not specified.
pH	
pH :	1.00 .
Strongly acidic.	
pH (aqueous solution) :	Not stated.
Kinematic viscosity	
Viscosity :	Not stated.
Solubility	
Water solubility :	Dilutable.
Fat solubility :	Not stated.
Partition coefficient n-octanol/water (log value)	
Partition coefficient: n-octanol/water :	Not stated.
Vapour pressure	
Vapour pressure (50°C) :	Not relevant.
Density and/or relative density	
Density :	1.045 - 1.065
Relative vapour density	
Vapour density :	Not stated.
9.2. Other information	
No data available.	
9.2.1. Information with regard to physical hazard classes	
No data available.	
9.2.2. Other safety characteristics	
No data available.	

SECTION 10 : STABILITY AND REACTIVITY

10.1. Reactivity

No data available.

10.2. Chemical stability

This mixture is stable under the recommended handling and storage conditions in section 7.

10.3. Possibility of hazardous reactions

When exposed to high temperatures, the mixture can release hazardous decomposition products, such as carbon monoxide and dioxide, fumes and nitrogen oxide.

10.4. Conditions to avoid

Avoid :

- frost

10.5. Incompatible materials

N/A

10.6. Hazardous decomposition products

The thermal decomposition may release/form :

- carbon monoxide (CO)
- carbon dioxide (CO₂)
- sulphur dioxide (SO₂)

SECTION 11 : TOXICOLOGICAL INFORMATION

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

May cause irreversible damage to the skin; namely, visible necrosis through the epidermis and into the dermis, following exposure between three minutes and one hour.

Corrosive reactions are typified by ulcers, bleeding, bloody scabs, and, by the end of observation at 14 days, by discolouration due to blanching of the skin, complete areas of alopecia, and scars.

11.1.1. Substances Acute toxicity :

FATTY ALCOHOL ETHOXYLATE (CAS: 68439-50-9)

Oral route : LD₅₀ > 300
OECD Guideline 401 (Acute Oral Toxicity)

SULPHURIC ACID ...% (CAS: 7664-93-9)

Oral route : LD₅₀ = 2140 mg/kg
Species : Rat

Inhalation route (n/a) : LC₅₀ = 510 mg/l
Species : Rat

PHOSPHORIC ACID ...% (CAS: 7664-38-2)

Oral route : 300 < LD₅₀ <= 2000 mg/kg
Species : Rabbit

Dermal route : LD₅₀ 1260 mg/kg
Inhalation route (Dusts/mist) : LC₅₀ 850

LACTIC ACID (CAS: 79-33-4)

Oral route : LD50 = 3543 mg/kg
Species : Rat

Dermal route : LD50 > 2000 mg/kg
Species : Rabbit

Inhalation route (n/a) : LC50 > 7.94 mg/l
Species : Rat

ETHYL ALCOHOL (CAS: 64-17-5)

Oral route : LD50 > 6200 mg/kg
Species : Rat
OECD Guideline 401 (Acute Oral Toxicity)

Inhalation route (n/a) : LC50 > 50 mg/m3
Species : Rat
OECD Guideline 403 (Acute Inhalation Toxicity)

Germ cell mutagenicity :

PHOSPHORIC ACID ...% (CAS: 7664-38-2)
No mutagenic effect.

Mutagenesis (in vitro) : Negative.
Species : Bacteria
OECD Guideline 471 (Bacterial Reverse Mutation Assay)

Reproductive toxicant :

PHOSPHORIC ACID ...% (CAS: 7664-38-2)
Study on development : Species : Rat
OECD Guideline 422 (Combined Repeated Dose Toxicity Study with the Reproduction /
Developmental Toxicity Screening Test)

11.1.2. Mixture

No toxicological data available for the mixture.

11.2. Information on other hazards

SECTION 12 : ECOLOGICAL INFORMATION

The surfactants are readily biodegradable according to OECD method

12.1. Toxicity

12.1.1. Substances

SULPHURIC ACID ...% (CAS: 7664-93-9)

Fish toxicity : LC50 = 42 mg/l
Species : Gambusia affinis
Duration of exposure : 96 h

Crustacean toxicity : EC50 = 29 mg/l
Species : Daphnia magna
Duration of exposure : 24 h

Algae toxicity : ECr50 > 100 mg/l
Species : Desmodesmus subspicatus
Duration of exposure : 72 h
OECD Guideline 201 (Alga, Growth Inhibition Test)

PHOSPHORIC ACID ...% (CAS: 7664-38-2)

Fish toxicity : LC50 138 mg/l
Species : Gambusia affinis
Duration of exposure : 96 h
OECD Guideline 203 (Fish, Acute Toxicity Test)

Crustacean toxicity : EC50 > 100 mg/l
Species : Daphnia magna
Duration of exposure : 48 h
OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test)

Algae toxicity : ECr50 > 100 mg/l
Species : Desmodesmus subspicatus

Duration of exposure : 72 h
OECD Guideline 201 (Alga, Growth Inhibition Test)

LACTIC ACID (CAS: 79-33-4)

Fish toxicity : LC50 = 130 mg/l
Species : *Oncorhynchus mykiss*
Duration of exposure : 96 h

Crustacean toxicity : EC50 = 130 mg/l
Species : *Daphnia magna*
Duration of exposure : 48 h

Algae toxicity : ECr50 > 2.8 mg/l
Species : *Pseudokirchnerella subcapitata*
Duration of exposure : 72 h

ETHYL ALCOHOL (CAS: 64-17-5)

Fish toxicity : LC50 13000 mg/l
Species : *Pimephales promelas*
Duration of exposure : 96 h

Crustacean toxicity : EC50 12340 mg/l
Species : *Daphnia magna*
Duration of exposure : 48 h

Algae toxicity : ECr50 12900 mg/l
Species : *Selenastrum capricornutum*
Duration of exposure : 72 h

12.1.2. Mixtures

No aquatic toxicity data available for the mixture.

12.2. Persistence and degradability

12.2.1. Substances

FATTY ALCOHOL ETHOXYLATE (CAS: 68439-50-9)

Biodegradability : Rapidly degradable.

SULPHURIC ACID ...% (CAS: 7664-93-9)

Biodegradability : no degradability data is available, the substance is considered as not degrading quickly.

PHOSPHORIC ACID ...% (CAS: 7664-38-2)

Biodegradability : no degradability data is available, the substance is considered as not degrading quickly.

LACTIC ACID (CAS: 79-33-4)

Biodegradability : Rapidly degradable.

ETHYL ALCOHOL (CAS: 64-17-5)

Biodegradability : Rapidly degradable.

12.3. Bioaccumulative potential

12.3.1. Substances

FATTY ALCOHOL ETHOXYLATE (CAS: 68439-50-9)

Octanol/water partition coefficient : log K_{ow} < 3.

LACTIC ACID (CAS: 79-33-4)

Octanol/water partition coefficient : log K_{ow} -0.62

ETHYL ALCOHOL (CAS: 64-17-5)

Octanol/water partition coefficient : log K_{ow} < 3.

Bioaccumulation : BCF < 100.

12.4. Mobility in soil

No data available.

12.5. Results of PBT and vPvB assessment

No data available.

12.6. Endocrine disrupting properties

No data available.

12.7. Other adverse effects

No data available.

German regulations concerning the classification of hazards for water (WGK, AwSV Annex I, KBws) :

WGK 1 : Slightly hazardous for water.

SECTION 13 : DISPOSAL CONSIDERATIONS

Proper waste management of the mixture and/or its container must be determined in accordance with Directive 2008/98/EC.

13.1. Waste treatment methods Do not pour into drains or waterways. Waste :

Waste management is carried out without endangering human health, without harming the environment and, in particular without risk to water, air, soil, plants or animals.

Recycle or dispose of waste in compliance with current legislation, preferably via a certified collector or company. Do not contaminate the ground or water with waste, do not dispose of waste into the environment.

Soiled packaging :

Empty container completely. Keep label(s) on container. Give to a certified disposal contractor.

SECTION 14 : TRANSPORT INFORMATION

Transport product in compliance with provisions of the ADR for road, RID for rail, IMDG for sea and ICAO/IATA for air transport (ADR 2021 - IMDG 2020 [40-20] - ICAO/IATA 2022 [63]).

14.1. UN number or ID number

3264

14.2. UN proper shipping name

UN3264=CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S.

(phosphoric acid ...%)

14.3. Transport hazard class(es)

- Classification :



8

14.4. Packing group

III

14.5. Environmental hazards

-

14.6. Special precautions for user

ADR/RID	Class	Code	Pack gr.	Label	Ident.	LQ	Provis.	EQ	Cat.	Tunnel
	8	C1	III	8	80	5 L	274	E1	3	E

IMDG	Class	2°Label	Pack gr.	LQ	EMS	Provis.	EQ	Stowage Handling	Segregation
	8	-	III	5 L	F-A. S-B	223 274	E1	Category A SW2	SGG1 SG36 SG49

IATA	Class	2°Label	Pack gr.	Passager	Passager	Cargo	Cargo	note	EQ
	8	-	III	852	5 L	856	60 L	A3 A803	E1
	8	-	III	Y841	1 L	-	-	A3 A803	E1

For limited quantities, see part 2.7 of the OACI/IATA and chapter 3.4 of the ADR and IMDG.

For excepted quantities, see part 2.6 of the OACI/IATA and chapter 3.5 of the ADR and IMDG.

14.7. Maritime transport in bulk according to IMO instruments

No data available.

SECTION 15: REGULATORY INFORMATION

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

- Classification and labelling information included in section 2:

The following regulations have been used:

- EU Regulation No. 1272/2008 amended by EU Regulation No. 2022/692 (ATP 18)

- Container information:

The mixture does not contain any substance restricted under Annex XVII of Regulation (EC) No. 1907/2006 (REACH):

<https://echa.europa.eu/substances-restricted-under-reach>.

- Particular provisions :

No data available.

- Labelling for detergents (EC Regulation No. 648/2004,907/2006) :

- less than 5% of: anionic surfactants

- less than 5% of: non-ionic surfactants

- German regulations concerning the classification of hazards for water (WGK, AwSV Annex I, KBws) :

WGK 1 : Slightly hazardous for water.

15.2. Chemical safety assessment

No data available.

SECTION 16 : OTHER INFORMATION

Since the user's working conditions are not known by us, the information supplied on this safety data sheet is based on our current level of knowledge and on national and community regulations.

The mixture must not be used for other uses than those specified in section 1 without having first obtained written handling instructions. It is at all times the responsibility of the user to take all necessary measures to comply with legal requirements and local regulations.

The information in this safety data sheet must be regarded as a description of the safety requirements relating to the mixture and not as a guarantee of the properties thereof.

Wording of the phrases mentioned in section 3 :

- H225 Highly flammable liquid and vapour.
- H290 May be corrosive to metals.
- H302 Harmful if swallowed.
- H314 Causes severe skin burns and eye damage.
- H315 Causes skin irritation.
- H318 Causes serious eye damage.
- H319 Causes serious eye irritation.
- H400 Very toxic to aquatic life.
- H412 Harmful to aquatic life with long lasting effects.

Abbreviations :

LD50 : The dose of a test substance resulting in 50% lethality in a given time period.

LC50 : The concentration of a test substance resulting in 50% lethality in a given period.

EC50 : The effective concentration of substance that causes 50% of the maximum response.

ECr50 : The effective concentration of substance that causes 50% reduction in growth rate.

REACH : Registration, Evaluation, Authorization and Restriction of Chemical Substances.

ATE : Acute Toxicity Estimate BW : Body Weight

DNEL : Derived No-Effect Level

PNEC : Predicted No-Effect Concentration

UFI : Unique formulation identifier.

STEL : Short-term exposure limit

TWA : Time Weighted Averages

TMP : French Occupational Illness table

TLV : Threshold Limit Value (exposure)

AEV : Average Exposure Value.

ADR : European agreement concerning the international carriage of dangerous goods by Road.

IMDG : International Maritime Dangerous Goods.

IATA : International Air Transport Association.

ICAO : International Civil Aviation Organisation

RID : Regulations concerning the International carriage of Dangerous goods by rail.

WGK : Wassergefährdungsklasse (Water Hazard Class).

GHS05 : Corrosion

PBT: Persistent, bioaccumulable and toxic.

vPvB : Very persistent, very bioaccumulable.

SVHC : Substances of very high concern.