TORNADE FRUITS EXOTIQUES - 10362-10363

Date: 01/02/2023 Page 1/20 Revision: N°4 (31/01/2020)

SAFETY DATA SHEET

(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: TORNADE FRUITS EXOTIQUES

Product code: 10362-10363.

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

Descaling cleaner, disinfectant.

Professional use.

1.3. Details of the supplier of the safety data sheet

Registered company name: IPC.

Address: 10 Quai Malbert.29200.BREST.FRANCE.

Telephone: +33 (0)2 98 43 45 44. Fax: +33 (0)2 98 43 45 44

ipc@ipc-sa.com

1.4. Emergency telephone number: +33 (0)1 45 42 59 59.

Association/Organisation: INRS / ORFILA 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.

Flammable liquid, Category 3 (Flam. Liq. 3, H226).

Substance that is corrosive to metals, Category 1 (Met. Corr. 1, H290).

Skin corrosion, Category 1A (Skin Corr. 1A, H314). Serious eye damage, Category 1 (Eye Dam. 1, H318).

This mixture does not present an environmental hazard. No known or foreseeable environmental damage under standard conditions of use.

2.2. Label elements

Biocidal detergent mixture (see section 15).

Mixture for spray application.

In compliance with EC regulation No. 1272/2008 and its amendments.

Hazard pictograms:





GHS02

GHS05

Signal Word : DANGER

Product identifiers:

EC 201-196-2 LACTIC ACID
EC 231-633-2 PHOSPHORIC ACID
EC 201-180-5 GLYCOLIC ACID

EC 230-525-2 DIDECYLDIMETHYLAMMONIUM CHLORIDE

Hazard statements:

H226 Flammable liquid and vapour. H290 May be corrosive to metals.

H314 Causes severe skin burns and eye damage.

Precautionary statements - Prevention:

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P234 Keep only in original packaging.

P260 Do not breathe spray.

P264 Wash hands thoroughly after handling.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

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Precautionary statements - Response:

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.

P310 Immediately call a POISON CENTER, a doctor.
P390 Absorb spillage to prevent material damage.

Precautionary statements - Disposal:

P501 Dispose of contents/container in accordance with local / regional / national / international regulations.

Other information:

2.3. Other hazards

The mixture does not contain substances classified as 'Substances of Very High Concern' (SVHC) >= 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= 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:

NDEX: 79 33 4	Composition:			
Dgr Skin Irrit. 2, H315	Identification	(EC) 1272/2008	Note	%
Skin Irrit. 2, H315 Eye Dam. 1, H318	INDEX: 79_33_4	GHS05		2.5 <= x % < 10
Eye Dam. 1, H318 ACTIC ACID NDEX: 603_002_00_5 AS: 64-17-5 Dgr GE: 200-578-6 EEACH: 01-2119457610-43 ETHANOL NDEX: 5949_29_1 CC: 201-69-1 EEACH: 01-2119457026-42 STIRIC ACID MONOHYDRATE NDEX: 603-096-00-8 NDEX: 503-961-6 EEACH: 01-211945704-44 -(2-BUTOXYETHOXY)ETHANOL NDEX: 015_011_00_6 AS: 7664-38-2 EC: 231-633-2 EEACH: 01-2119485924-24 EYE Dam. 1, H318 Eye RS02 [1] 2.5 <= x % < 10 2.5 <= x % < 10 Eye Irrit. 2, H319 Eye Irrit. 2, H3	CAS: 79-33-4	Dgr		
ACTIC ACID NDEX: 603 002 00 5 CAS: 64-17-5 CC: 200-578-6 EEACH: 01-2119457610-43 ETHANOL NDEX: 5949-29-1 CC: 201-69-1 EEACH: 01-2119457026-42 ETRIC ACID MONOHYDRATE NDEX: 603-096-00-8 CAS: 112-34-5 CC: 203-961-6 EEACH: 01-2119457104-44 -(2-BUTOXYETHOXY)ETHANOL NDEX: 015 011 00 6 CAS: 263-203-2 EEACH: 01-2119485924-24 EEACH: 01-2119485924-24 CC: 231-633-2 EEACH: 01-2119485924-24 CC: 231-633-2 EEACH: 01-2119485924-24 CC: 231-635-2 EEACH: 01-2119485924-24 CC: 231-635-2 EEACH: 01-2119485924-24	EC: 201-196-2	Skin Irrit. 2, H315		
NDEX: 603_002_00_5	REACH: 01-2119474164-39	Eye Dam. 1, H318		
NDEX: 603_002_00_5				
CAS: 64-17-5 CC: 200-578-6 CEEACH: 01-2119457610-43 ETHANOL STHANOL STHANOL STHANOL STHANOL SC: 201-069-1 CC: 201	LACTIC ACID			
EC: 200-578-6 REACH: 01-2119457610-43 EJTHANOL NDEX: 5949_29_1 CAS: 5949_29_1 CAS: 5949_29_1 CEC: 201-069-1 REACH: 01-2119457026-42 EJTRIC ACID MONOHYDRATE NDEX: 603-096-00-8 CAS: 112-34-5 CEC: 203-961-6 REACH: 01-2119475104-44 -(2-BUTOXYETHOXY)ETHANOL NDEX: 015_011_00_6 CAS: 7664-38-2 CEC: 203-961-0 REACH: 01-2119485924-24 NEXAMPLE ACID MONOHYDRATE NDEX: 015_011_00_6 CAS: 7664-38-2 CEC: 203-961-0 CEC: 203-961-0 REACH: 01-2119475104-44 -(2-BUTOXYETHOXY)ETHANOL NDEX: 015_011_00_6 CAS: 7664-38-2 CEC: 203-961-0 CEC: 203-	INDEX: 603_002_00_5	GHS07, GHS02	[1]	$2.5 \le x \% < 10$
EXEACH: 01-2119457610-43 Eye Irrit. 2, H319 ETHANOL NDEX: 5949-29-1 CC: 201-069-1 EXEACH: 01-2119457026-42 ETRIC ACID MONOHYDRATE NDEX: 603-096-00-8 CC: 231-34-5 CC: 230-961-6 EXEACH: 01-2119475104-44 EXEACH: 01-2119475104-44 EXEACH: 01-2119475104-44 EXEACH: 01-2119475104-44 EXEACH: 01-2119475104-44 EXEACH: 01-2119485924-24 EXEACH: 01-2119485924-24 EXEACH: 01-2119485924-24 EXEACH: 01-2119485924-24 EYE Irrit. 2, H319 EYE Ir	CAS: 64-17-5	Dgr		
### Corr. 1, H290 ### Met. Corr. 1, H290 #### Met. Corr. 1, H290 #### Met. Corr. 1, H290 #### Met. Corr. 1, H290	EC: 200-578-6	Flam. Liq. 2, H225		
CAS: 5949-29-1 CAS: 603-096-042 CAS: 603-096-00-8 CAS: 603-096-00-8 CAS: 112-34-5 CAS: 203-961-6 CAS: 603-096-06 CAS: 603-096-00-8 CAS: 603-096-00-9	REACH: 01-2119457610-43	Eye Irrit. 2, H319		
CAS: 5949-29-1 CAS: 603-096-042 CAS: 603-096-00-8 CAS: 603-096-00-8 CAS: 112-34-5 CAS: 203-961-6 CAS: 603-096-06 CAS: 603-096-00-8 CAS: 603-096-00-9				
CAS: 5949-29-1 Wng Eye Irrit. 2, H319	ETHANOL			
Eye Irrit. 2, H319 Eye Ir	INDEX: 5949_29_1			$2.5 \le x \% < 10$
ETTRIC ACID MONOHYDRATE NDEX: 603-096-00-8 CAS: 112-34-5 CC: 203-961-6 REACH: 01-2119475104-44 PL-(2-BUTOXYETHOXY)ETHANOL NDEX: 015_011_00_6 CAS: 7664-38-2 CC: 231-633-2 REACH: 01-2119485924-24 REACH: 01-2119485924-24 PHOSPHORIC ACID NDEX: 2809_21_4 CAS: 2809-21-4 CC: 220-552-8 REACH: 01-2119485924-24 REACH: 01-2	CAS: 5949-29-1	Wng		
CITRIC ACID MONOHYDRATE NDEX: 603-096-00-8 CAS: 112-34-5 CC: 203-961-6 REACH: 01-2119475104-44 C-(2-BUTOXYETHOXY)ETHANOL NDEX: 015_011_00_6 CAS: 7664-38-2 CC: 231-633-2 REACH: 01-2119485924-24 CHOSPHORIC ACID NDEX: 2809_21_4 CAS: 2809-21-4 CC: 220-552-8 GHS07 Wng Eye Irrit. 2, H319 GHS05 Dgr Met. Corr. 1, H290 Skin Corr. 1B, H314 GHS05 Dgr Met. Corr. 1, H290 TIME STATE OF STATE	EC: 201-069-1	Eye Irrit. 2, H319		
CAS: 112-34-5	REACH: 01-2119457026-42			
CAS: 112-34-5				
CAS: 112-34-5 EC: 203-961-6 EEACH: 01-2119475104-44 PACECE UTOXYETHOXY)ETHANOL REACH: 015_011_00_6 CAS: 7664-38-2 EC: 231-633-2 EEACH: 01-2119485924-24 PHOSPHORIC ACID NDEX: 2809_21_4 CAS: 2809-21-4 EC: 220-552-8 Wng Eye Irrit. 2, H319 Eye	CITRIC ACID MONOHYDRATE			
Eye Irrit. 2, H319 Eye Ir	INDEX: 603-096-00-8	GHS07	[1]	$2.5 \le x \% < 10$
REACH: 01-2119475104-44 2-(2-BUTOXYETHOXY)ETHANOL NDEX: 015_011_00_6 CAS: 7664-38-2 Dgr Met. Corr. 1, H290 Skin Corr. 1B, H314 PHOSPHORIC ACID NDEX: 2809_21_4 CAS: 2809-21-4 CC: 220-552-8 Met. Corr. 1, H290 Met. Corr. 1, H290 Met. Corr. 1B, H314	CAS: 112-34-5	Wng	[XVII]	
C-(2-BUTOXYETHOXY)ETHANOL	EC: 203-961-6	Eye Irrit. 2, H319		
NDEX: 015_011_00_6 CAS: 7664-38-2 Dgr Met. Corr. 1, H290 Skin Corr. 1B, H314 PHOSPHORIC ACID NDEX: 2809_21_4 CAS: 2809-21-4 CC: 220-552-8 Met. Corr. 1, H290 Met. Corr. 1, H290 Met. Corr. 1B, H314 CHS05 Dgr Met. Corr. 1B, H314	REACH: 01-2119475104-44			
NDEX: 015_011_00_6 CAS: 7664-38-2 Dgr Met. Corr. 1, H290 Skin Corr. 1B, H314 PHOSPHORIC ACID NDEX: 2809_21_4 CAS: 2809-21-4 CC: 220-552-8 Met. Corr. 1, H290 Met. Corr. 1, H290 Met. Corr. 1B, H314 CHS05 Dgr Met. Corr. 1B, H314				
Dgr Met. Corr. 1, H290 Skin Corr. 1B, H314 PHOSPHORIC ACID Dgr Dgr Met. Corr. 2809-21-4 Dgr Met. Corr. 1 H290 Skin Corr. 2909-21-4 Dgr				
BC: 231-633-2 Met. Corr. 1, H290 REACH: 01-2119485924-24 Skin Corr. 1B, H314 PHOSPHORIC ACID GHS05 NDEX: 2809_21_4 GHS05 CAS: 2809-21-4 Dgr BC: 220-552-8 Met. Corr. 1, H290		1		$1 \le x \% < 2.5$
REACH: 01-2119485924-24 Skin Corr. 1B, H314 PHOSPHORIC ACID NDEX: 2809_21_4 CAS: 2809-21-4 CC: 220-552-8 Skin Corr. 1B, H314 1 <= x % < 2.5 Dgr Met. Corr. 1, H290			[1]	
PHOSPHORIC ACID NDEX: 2809_21_4 CAS: 2809-21-4 Dgr Met. Corr. 1, H290	EC: 231-633-2			
NDEX: 2809_21_4 GHS05 CAS: 2809-21-4 Dgr Met. Corr. 1, H290	REACH: 01-2119485924-24	Skin Corr. 1B, H314		
NDEX: 2809_21_4 GHS05 CAS: 2809-21-4 Dgr Met. Corr. 1, H290				
CAS: 2809-21-4 Dgr CC: 220-552-8 Met. Corr. 1, H290	PHOSPHORIC ACID			
EC: 220-552-8 Met. Corr. 1, H290	INDEX: 2809_21_4			$1 \le x \% < 2.5$
, , , ,	CAS: 2809-21-4	0		
REACH: 01-2119510391-53 Eye Dam. 1, H318	EC: 220-552-8			
	REACH: 01-2119510391-53	Eye Dam. 1, H318		
DIPHOSPHONIC HYDROXYETHANE ACID	DIPHOSPHONIC HYDROXYETHANE ACID			

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[T		
INDEX: 79_14_1	GHS07, GHS05		$1 \le x \% < 2.5$
CAS: 79-14-1	Dgr		
EC: 201-180-5	Met. Corr. 1, H290		
REACH: 01-2119485579-17	Skin Corr. 1B, H314		
CIVICOVIC LOVE	Acute Tox. 4, H332		
GLYCOLIC ACID			0, 25
INDEX: 160875_66_1	GHS07, GHS05		$1 \le x \% < 2.5$
CAS: 160875-66-1	Dgr		
	Acute Tox. 4, H302		
2-PROPYLHEPTANOLETHOXILATE	Eye Dam. 1, H318		
INDEX: 612_131_00_6	GHS07, GHS05, GHS09		$1 \le x \% < 2.5$
CAS: 7173-51-5	Dgr		
EC: 230-525-2	Acute Tox. 4, H302		
	Acute Tox. 4, H312		
DIDECYLDIMETHYLAMMONIUM	Skin Corr. 1B, H314		
CHLORIDE	Aquatic Chronic 2, H411		
	Aquatic Acute 1, H400		
DIDEN ON OR	M Acute = 10		0.1
INDEX: 931_292_6	GHS07, GHS05, GHS09		$0.1 \le x \% < 1$
CAS: 1643-20-5	Dgr		
EC: 216-700-6	Acute Tox. 4, H302		
	Skin Irrit. 2, H315		
AMINES, C12-14 (EVEN NUMBERED)	Eye Dam. 1, H318		
-ALKYLDIMETHYL, N-OXIDES	Aquatic Chronic 2, H411		
	Aquatic Acute 1, H400		
	M Acute = 1		
INDEX: 603-117-00-0	GHS02, GHS07	[1]	$0 \le x \% < 1$
CAS: 67-63-0	Dgr		
EC: 200-661-7	Flam. Liq. 2, H225		
REACH: 01-2119457558-25	Eye Irrit. 2, H319		
	STOT SE 3, H336		
PROPAN-2-OL	CHICAS CHICAS	F13	0 1 0/ 101
INDEX: I606002003	GHS02, GHS07	[1]	$0 \le x \% < 0.1$
CAS: 78-93-3	Dgr		
EC: 201-159-0	Eye Irrit. 2, H319		
2 DUTANONE	Flam. Liq. 2, H225		
2-BUTANONE INDEX: 607-002-00-6	STOT SE 3, H336 GHS02, GHS05	В	0 <= x % < 0.1
CAS: 64-19-7	Dgr	[1]	$0 \le x < 0.1$
EC: 200-580-7	Flam. Liq. 3, H226		
REACH: 01-2119475328-30	Skin Corr. 1A, H314		
KEACH: 01-21194/3326-30	Skiii Corr. 1A, H314		
ACETIC ACID			
INDEX: I140 11 4		[1]	0 <= x % < 0.1
CAS: 140-11-4	Wng	[[1]	0 - A /0 \ U.1
EC: 205-399-7	Aquatic Chronic 3, H412		
REACH: 01-2119638272-42	Aquatic Cironic 3, 11412		
1011.01-211/0302/2-72			
BENZYL ACETATE			
INDEX: I80 56 8	GHS02, GHS07, GHS08, GHS09	[1]	$0 \le x \% < 0.1$
CAS: 80-56-8	Dgr	[-]	
EC: 201-291-9	Flam. Liq. 3, H226		
REACH: 01-2119519223-49	Acute Tox. 4, H302		
	Asp. Tox. 1, H304		
ALPHA-PINENE	Skin Irrit. 2, H315		
	Skin Sens. 1B, H317		
	Aquatic Acute 1, H400		
	M Acute = 1		
	Aquatic Chronic 1, H410		
	M Chronic = 1		
	171 CHIOHE 1		

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	1		
INDEX: I127_91_3	GHS02, GHS07, GHS08, GHS09	[1]	$0 \le x \% < 0.1$
CAS: 127-91-3	Dgr		
EC: 204-872-5	Flam. Liq. 3, H226		
REACH: 01-2119519230-54	Asp. Tox. 1, H304		
	Skin Irrit. 2, H315		
BETA-PINENE	Skin Sens. 1B, H317		
	Aquatic Acute 1, H400		
	M Acute = 1		
	Aquatic Chronic 1, H410		
	M Chronic = 1		
INDEX: 605-019-00-3	GHS07	[1]	$0 \le x \% < 0.1$
CAS: 5392-40-5	Wng		
EC: 226-394-6	Skin Irrit. 2, H315		
	Skin Sens. 1, H317		
CITRAL			
INDEX: 603-057-00-5	GHS07	[1]	$0 \le x \% < 0.1$
CAS: 100-51-6	Wng		
EC: 202-859-9	Acute Tox. 4, H332		
	Acute Tox. 4, H302		
BENZYL ALCOHOL			

BENZ I L'ALCOHOL		
Specific concentration limits:	I	I
Identification	Specific concentration limits	ATE
INDEX: 79_33_4		oral: ATE = 3750 mg/kg BW
CAS: 79-33-4		
EC: 201-196-2		
REACH: 01-2119474164-39		
I A CITIC A CIT		
LACTIC ACID		' 1 1 4' ATE 51 /1 41
INDEX: 603_002_00_5		inhalation: ATE = 51 mg/l 4h
CAS: 64-17-5 EC: 200-578-6		and, ATE = 10470 mg/lsg DW
REACH: 01-2119457610-43		oral: ATE = 10470 mg/kg BW
КЕАСП: 01-211943/010-43		
ETHANOL		
INDEX: 5949_29_1		oral: ATE = 5400 mg/kg BW
CAS: 5949-29-1		
EC: 201-069-1		
REACH: 01-2119457026-42		
CITRIC ACID MONOHYDRATE		
INDEX: 015_011_00_6	Skin Corr. 1B: H314 C>= 25%	dermal: ATE = 2740 mg/kg BW
CAS: 7664-38-2	Skin Irrit. 2: H315 10% <= C < 25%	oral: ATE = 2600 mg/kg BW
EC: 231-633-2	Eye Dam. 1: H318 C>= 25%	
REACH: 01-2119485924-24	Eye Irrit. 2: H319 10% <= C < 25%	
PHOSPHORIC ACID		
INDEX: 2809 21 4		oral: ATE = 3130 mg/kg BW
CAS: 2809-21-4		oran THE STOO ING KG DW
EC: 220-552-8		
REACH: 01-2119510391-53		
DIPHOSPHONIC HYDROXYETHANE ACID		
INDEX: 79_14_1		dermal: ATE = 3.6 mg/kg BW
CAS: 79-14-1		oral: ATE = 2040 mg/kg BW
EC: 201-180-5		
REACH: 01-2119485579-17		
GLYCOLIC ACID		
INDEX: 612_131_00_6		oral: ATE = 658 mg/kg BW
CAS: 7173-51-5		
EC: 230-525-2		
DIDECTA DI CETANA A MANAGANA		
DIDECYLDIMETHYLAMMONIUM		
CHLORIDE		

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INDEX: I606002003 CAS: 78-93-3 EC: 201-159-0		inhalation: ATE = 34 mg/l 4h (vapours) oral: ATE = 4000 mg/kg BW
2-BUTANONE		
INDEX: 607-002-00-6	Skin Corr. 1A: H314 C>= 90%	
CAS: 64-19-7	Skin Corr. 1B: H314 25% <= C < 90%	
EC: 200-580-7	Skin Irrit. 2: H315 10% <= C < 25%	
REACH: 01-2119475328-30	Eye Dam. 1: H318 C>= 25%	
	Eye Irrit. 2: H319 10% <= C < 25%	
ACETIC ACID		
INDEX: I140_11_4		oral: ATE = 2490 mg/kg BW
CAS: 140-11-4		
EC: 205-399-7		
REACH: 01-2119638272-42		
BENZYL ACETATE		

Information on ingredients:

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

[XVII] Restricted substance under Regulation (EC) No. 1907/2006 (REACH), Annex XVII.

[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 exposure by inhalation:

In the event of massive inhalation, remove the person to fresh air and keep warm and at rest.

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 aera is widespread and/or there is damage to the skin, a doctor must be consulted or the patient transferred to hospital.

In case of skin contact, rinse with plenty of water for at least 15 minutes. Contact a doctor.

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.

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

Flammable.

Chemical powders, carbon dioxide and other extinguishing gas are suitable for small fires.

5.1. Extinguishing media

Keep packages near the fire cool, to prevent pressurised containers from bursting.

Suitable methods of extinction

In the event of a fire, use:

- sprayed water or water mist
- water with AFFF (Aqueous Film Forming Foam) additive
- halon

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- foam
- multipurpose ABC powder
- BC powder
- carbon dioxide (CO2)

Prevent the effluent of fire-fighting measures from entering drains or waterways.

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

Due to the toxicity of the gas emitted on thermal decomposition of the products, fire-fighting personnel are to be equipped with autonomous insulating breathing apparatus.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Consult the safety measures listed under headings 7 and 8.

For non first aid worker

Because of the organic solvents contained in the mixture, eliminate sources of ignition and ventilate the area.

Avoid any contact with the skin and eyes.

If a large quantity has been spilt, evacuate all personnel and only allow intervention by trained operators equipped with safety apparatus.

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.

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.

Fire prevention:

Handle in well-ventilated areas.

Vapours are heavier than air. They can spread along the ground and form mixtures that are explosive with air.

Prevent the formation of flammable or explosive concentrations in air and avoid vapor concentrations higher than the occupational exposure limits.

Prevent the accumulation of electrostatic charges with connections to earth.

The mixture can become electrostatically charged: always ground when decanting. Wear antistatic shoes and clothing and make floors of non-conductive

Use the mixture in premises free of naked flames or other sources of ignition and ensure that electrical equipment is suitably protected.

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Keep packages tightly closed and away from sources of heat, sparks and naked flames.

Do not use tools which may produce sparks. Do not smoke.

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.

Where the personnel must carry out work in a booth, whether for spraying or otherwise, the ventilation may be inadequate to control particles and solvent vapors in every case.

It is therefore recommended that personnel wear masks with a compressed air supply during spraying operations until the concentration of particles and solvent vapors has fallen below the exposure limits.

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

Keep out of reach of children.

Storage

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

Keep away from all sources of ignition - do not smoke.

Keep well away from all sources of ignition, heat and direct sunlight.

Avoid accumulation of electrostatic charges.

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:
112-34-5	67.5	10	101.2	15	-
7664-38-2	1	-	2	-	-
78-93-3	600	200	900	300	-
64-19-7	25	10	50	20	-

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

CAS	VME :	VME:	Excess	Notes
64-17-5	VIVIL .	200 ppm	LACCSS	4(II)
		380 mg/m ³		(11)
112-34-5		10 ppm		1.5 (I)
		67 mg/m^3		
7664-38-2		2E mg/m³		2(I)
67-63-0		200 ppm		2(II)
		500 mg/m ³		
78-93-3		200 ppm		1(I)
		600 mg/m ³		
64-19-7		10 ppm		2(I)
		25 mg/m^3		
100-51-6		5 ppm		2 (I)
		22 mg/m^3		

- Belgium (Royal decree of 11/05/2021):

CAS	TWA:	STEL:	Ceiling:	Definition:	Criteria:
64-17-5	1000 ppm				
	1907 mg/m ³				
112-34-5	10 ppm	15 ppm			
	67.5 mg/m ³	101.2 mg/m ³			

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7664-38-2	1 mg/m³	2 mg/m³		
67-63-0	200 ppm	400 ppm		
	500 mg/m ³	1000 mg/m ³		
78-93-3	200 ppm	300 ppm		
	600 mg/m ³	900 mg/m ³		
64-19-7	10 ppm	15 ppm		
	25 mg/m ³	38 mg/m ³		
140-11-4	10 ppm			
	62 mg/m ³			
80-56-8	20 ppm			
127-91-3	20 ppm			
5392-40-5	5 ppm		D	
	32 mg/m ³			

- 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	
112-34-5	10	67.5	15	101.2	-	-	
7664-38-2	0.2	1	0.5	2	-	-	-
67-63-0	-	-	400	980	-	84	
78-93-3	200	600	300	900	*	84	
64-19-7	10	25	20	50	-	-	

- Switzerland (Suva 2021):

CAS	VME	VLE	Valeur plafond Notations
64-17-5	500 ppm	1000 ppm	
	960 mg/m ³	1920 mg/m ³	
112-34-5	10 ppm	15 ppm	
	67 mg/m^3	101 mg/m^3	
7664-38-2	2 ppm	4 ppm	
67-63-0	200 ppm	400 ppm	
	500 mg/m ³	1000 mg/m ³	
78-93-3	200 ppm	200 ppm	
	590 mg/m ³	590 mg/m ³	
64-19-7	10 ppm	20 ppm	
	25 mg/m^3	50 mg/m^3	
100-51-6	5 ppm		
	22 mg/m^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				
112-34-5	10 ppm	15 ppm			
	67.5 mg/m ³	101.2 mg/m ³			
7664-38-2	1 mg/m³	2 mg/m³			
67-63-0	400 ppm	500 ppm			
	999 mg/m ³	1250 mg/m ³			
78-93-3	200 ppm	300 ppm		Sk. BMGV	
	600 mg/m ³	899 mg/m ³			
64-19-7	10 ppm	20 ppm			
	25 mg/m ³	50 mg/m ³			

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

PROPAN-2-OL (CAS: 67-63-0)

Final use: Workers.
Exposure method: Dermal contact.

Potential health effects: Long term systemic effects.

DNEL: 888 mg/kg body weight/day

Exposure method: Inhalation.

Potential health effects: Long term systemic effects.

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Consumers.

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DNEL: 500 mg of substance/m3

Final use:

Exposure method: Ingestion.

Potential health effects: Long term systemic effects. 26 mg/kg body weight/day DNEL:

Exposure method: Dermal contact.

Potential health effects: Long term systemic effects. DNEL: 319 mg/kg body weight/day

Exposure method: Inhalation.

Potential health effects: Long term systemic effects. DNEL: 89 mg of substance/m3

GLYCOLIC ACID (CAS: 79-14-1)

Final use:

Exposure method: Dermal contact. Potential health effects: Long term systemic effects. DNEL:

Exposure method:

Potential health effects: DNEL:

Exposure method: Potential health effects:

DNEL:

Exposure method: Potential health effects:

DNEL:

Exposure method:

Potential health effects: DNEL:

Final use:

Exposure method: Potential health effects:

DNEL:

Exposure method: Potential health effects:

DNEL:

Exposure method:

Potential health effects: DNEL:

Exposure method:

Potential health effects: DNEL:

Exposure method: Potential health effects:

DNEL:

Workers.

57.69 mg/kg body weight/day

Inhalation.

Short term systemic effects. 9.2 mg of substance/m3

Short term local effects. 9.2 mg of substance/m3

Inhalation.

Long term systemic effects. 10.56 mg of substance/m3

Inhalation.

Long term local effects. 1.53 mg of substance/m3

Consumers.

Ingestion.

Long term systemic effects. 0.75 mg/kg body weight/day

Dermal contact. Short term local effects. 28.85 mg/kg body weight/day

Inhalation.

Short term systemic effects. 2.3 mg of substance/m3

Inhalation.

Short term local effects. 2.3 mg of substance/m3

Inhalation.

Long term systemic effects. 2.6 mg of substance/m3

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DIPHOSPHONIC HYDROXYETHANE ACID (CAS: 2809-21-4)

Final use: Workers. Exposure method: Ingestion.

Potential health effects: Long term systemic effects. 13 mg/kg body weight/day DNEL:

Final use: Consumers.

Exposure method: Ingestion.

Potential health effects: Long term systemic effects. DNEL: 6.5 mg/kg body weight/day

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

Final use: Workers. Exposure method: Inhalation.

Long term local effects. Potential health effects: DNEL: 2.92 mg of substance/m3

Final use: Consumers.

Exposure method: Inhalation.

Potential health effects: Long term local effects. DNEL: 0.73 mg of substance/m3

ETHANOL (CAS: 64-17-5)

Final use: Workers. Exposure method: Dermal contact.

Potential health effects: Long term systemic effects. 343 mg/kg body weight/day DNEL:

Inhalation. Exposure method:

Potential health effects: Short term local effects. DNEL: 1900 mg of substance/m3

Exposure method: Inhalation.

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

Final use: Consumers. Exposure method: Ingestion.

Potential health effects: Short term systemic effects. DNEL: 87 mg/kg body weight/day

Exposure method: Dermal contact.

Long term systemic effects. Potential health effects: DNEL: 206 mg/kg body weight/day

Exposure method: Inhalation.

Potential health effects: Short term local effects. DNEL: 950 mg of substance/m3

Exposure method: Inhalation.

Potential health effects: Long term systemic effects. DNEL: 114 mg of substance/m3

Predicted no effect concentration (PNEC):

PROPAN-2-OL (CAS: 67-63-0)

Environmental compartment: Soil. PNEC: 28 mg/kg

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Environmental compartment: Fresh water. PNEC: 140.9 mg/l

Environmental compartment: Sea water. PNEC: 140.9 mg/l

Environmental compartment: Intermittent waste water.

PNEC: 140.9 mg/l

Environmental compartment: Waste water treatment plant.

PNEC: 2251 mg/l

GLYCOLIC ACID (CAS: 79-14-1)

Environmental compartment: Soil.

PNEC: 0.007 mg/kg

Environmental compartment: Fresh water. PNEC: 0.0321 mg/l

Environmental compartment: Sea water. PNEC: 0.0031 mg/l

Environmental compartment: Intermittent waste water.

PNEC: 0.312 mg/l

Fresh water sediment. Environmental compartment:

PNEC: 0.115 mg/kg

Environmental compartment: Marine sediment. PNEC: 0.0155 mg/kg

Environmental compartment: Waste water treatment plant.

PNEC: 7 mg/l

DIPHOSPHONIC HYDROXYETHANE ACID (CAS: 2809-21-4)

Environmental compartment: Soil. 96 mg/l PNEC:

Environmental compartment: Fresh water. PNEC: 0.136 mg/l

Environmental compartment: Sea water. PNEC: 0.0136 mg/l

Fresh water sediment. Environmental compartment:

PNEC: 59 mg/kg

Marine sediment. Environmental compartment: PNEC: 5.9 mg/kg

Environmental compartment: Waste water treatment plant.

PNEC: 20 mg/l

CITRIC ACID MONOHYDRATE (CAS: 5949-29-1)

Environmental compartment: Soil. PNEC: 33.1 mg/kg

Environmental compartment: Fresh water. PNEC: 0.44 mg/l

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Environmental compartment: Sea water. PNEC: 0.044 mg/l

Environmental compartment: Fresh water sediment.

PNEC: 3.46 mg/kg

Environmental compartment: Marine sediment. PNEC: 34.6 mg/kg

ETHANOL (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: Intermittent waste water.

PNEC: 2.75 mg/l

Environmental compartment: Fresh water sediment.

PNEC: 3.6 mg/kg

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

Environmental compartment: Waste water treatment plant.

PNEC: 580 mg/l

8.2. Exposure controls

Personal protection measures, such as personal protective equipment

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.

When spraying, wear a face shield in accordance with standard EN166.

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

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:

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

- Body protection

Avoid skin contact.

Wear suitable protective clothing.

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Suitable type of protective clothing:

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.

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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

Colorless

Odour

Odour threshold: Not stated.

Exotic

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: 58.00 °C.

Auto-ignition temperature

Self-ignition temperature: Not specified.

Decomposition temperature

Decomposition point/decomposition range: Not specified.

pН

pH: 1.00 .

Strongly acidic.

pH (aqueous solution): Not stated.

Kinematic viscosity

Viscosity: Not stated.

Solubility

Water solubility: Soluble.
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: 1.04

Method for determining the density:

ISO 649-2 (Laboratory glassware - Density hydrometers for general purposes

- Part 2: Test methods and use).

Relative vapour density

Vapour density: Not stated.

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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

Mixture which by chemical action can corrode and even destroy metals.

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

Any apparatus likely to produce a flame or to have a metallic surface at high temperature (burners, electric arcs, furnaces etc.) must not be allowed on the premises.

Avoid:

- accumulation of electrostatic charges.
- heating
- heat
- flames and hot surfaces
- frost

10.5. Incompatible materials

Keep away from:

- bases

10.6. Hazardous decomposition products

The thermal decomposition may release/form:

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

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 for up to three minutes.

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:

BENZYL ACETATE (CAS: 140-11-4)

Oral route: LD50 = 2490 mg/kg

2-BUTANONE (CAS: 78-93-3)

Oral route : LD50 = 4000 mg/kg

Inhalation route (Vapours): LC50 = 34 mg/l

Duration of exposure: 4 h

DIDECYLDIMETHYLAMMONIUM CHLORIDE (CAS: 7173-51-5)

Oral route : LD50 = 658 mg/kg

Species: Rat

Dermal route: LD50 > 2000 mg/kg

Species: Rat

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2-PROPYLHEPTANOLETHOXILATE (CAS: 160875-66-1)

LD50 > 301 mg/kgOral route:

Species: Rat

Dermal route: LD50 > 2000 mg/kg

GLYCOLIC ACID (CAS: 79-14-1)

LD50 = 2040 mg/kgOral route:

Species: Rat

Dermal route: LD50 = 3.6 mg/kg

Species: Rat

Inhalation route (n/a): LC50 > 5.2 mg/l

Species: Rat

DIPHOSPHONIC HYDROXYETHANE ACID (CAS: 2809-21-4)

Oral route: LD50 = 3130 mg/kg

Species: Rat

LD50 > 7940 mg/kgDermal route:

Species: Rabbit

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

Oral route: LD50 = 2600 mg/kg

Species: Rat

OECD Guideline 423 (Acute Oral toxicityAcute Toxic Class Method)

Dermal route: LD50 = 2740 mg/kg

Species: Rabbit

CITRIC ACID MONOHYDRATE (CAS: 5949-29-1)

LD50 = 5400 mg/kgOral route:

Species: Mouse

Dermal route: LD50 > 2000 mg/kg

ETHANOL (CAS: 64-17-5)

LD50 = 10470 mg/kgOral route:

Species: Rat

OECD Guideline 401 (Acute Oral Toxicity)

LD50 > 2000 mg/kg Dermal route:

Species: Rabbit

OECD Guideline 402 (Acute Dermal Toxicity)

LC50 = 51 mg/lInhalation route (n/a):

Species: Rat

Duration of exposure: 4 h

LACTIC ACID (CAS: 79-33-4)

Oral route: LD50 = 3750 mg/kg

11.1.2. Mixture

Skin corrosion/skin irritation:

Corrosive classification is based on an extreme pH value.

11.2. Information on other hazards

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SECTION 12: ECOLOGICAL INFORMATION

12.1. Toxicity

12.1.1. Substances

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

LC50 = 3 mg/lFish toxicity:

Species: Lepomis macrochirus Duration of exposure: 96 h

CITRIC ACID MONOHYDRATE (CAS: 5949-29-1)

LC50 = 440 mg/lFish toxicity:

Duration of exposure: 48 h

EC50 = 1535 mg/lCrustacean toxicity:

Species: Daphnia magna Duration of exposure: 24 h

ETHANOL (CAS: 64-17-5)

Fish toxicity: LC50 = 13000 mg/l

Species: Oncorhynchus mykiss Duration of exposure: 96 h

OECD Guideline 203 (Fish, Acute Toxicity Test)

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EC50 = 5012 mg/lCrustacean toxicity:

Species: Ceriodaphnia dubia Duration of exposure: 48 h

AMINES, C12-14 (EVEN NUMBERED) -ALKYLDIMETHYL, N-OXIDES (CAS: 1643-20-5)

Fish toxicity: Duration of exposure: 96 h

NOEC = 0.42 mg/l

Crustacean toxicity: NOEC = 0.7 mg/l

Species: Daphnia magna

Algae toxicity: ECr50 = 0.19 mg/l

Species: Pseudokirchnerella subcapitata

Duration of exposure: 72 h

Aquatic plant toxicity: Duration of exposure: 72 h

NOEC = 0.067 mg/l

DIDECYLDIMETHYLAMMONIUM CHLORIDE (CAS: 7173-51-5)

Fish toxicity: LC50 = 0.97 mg/l

Factor M = 1

Species: Brachydanio rerio Duration of exposure: 96 h

EC50 = 0.06 mg/lCrustacean toxicity:

Species: Daphnia magna Duration of exposure: 48 h

ECr50 = 0.12 mg/lAlgae toxicity:

Species: Scenedesmus capricornutum

Duration of exposure: 72 h

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12.1.2. Mixtures

No aquatic toxicity data available for the mixture.

12.2. Persistence and degradability

The surfactants contained in this preparation comply with the biodegradability criteria as laid down in Regulation (EC) No 648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of Member States and will be provided with their request or at the request of a detergent manufacturer.

12.2.1. Substances

AMINES, C12-14 (EVEN NUMBERED) -ALKYLDIMETHYL, N-OXIDES (CAS: 1643-20-5)

Biodegradability: Rapidly degradable.

DIDECYLDIMETHYLAMMONIUM CHLORIDE (CAS: 7173-51-5)

Biodegradability: Rapidly degradable.

GLYCOLIC ACID (CAS: 79-14-1)

Biodegradability: Rapidly degradable.

CITRIC ACID MONOHYDRATE (CAS: 5949-29-1)

Biodegradability: Rapidly degradable.

ETHANOL (CAS: 64-17-5)

Biodegradability: Rapidly degradable.

12.3. Bioaccumulative potential

12.3.1. Substances

DIDECYLDIMETHYLAMMONIUM CHLORIDE (CAS: 7173-51-5)

Bioaccumulation: BCF = 81

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.

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

2924

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14.2. UN proper shipping name

UN2924=FLAMMABLE LIQUID, CORROSIVE, N.O.S.

(ethanol, phosphoric acid ...%)

14.3. Transport hazard class(es)

- Classification:





3+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
	3	FC	III	3+8	38	5 L	274	E1	3	D/E
IMDG	Class	2°Label	Pack gr.	LQ	EMS	Provis.	EQ	Stowage	Segregation	
								Handling		
	3	8	III	5 L	F-E. S-C	223 274	E1	Category A	-	

SW2

IATA	Class	2°Label	Pack gr.	Passager	Passager	Cargo	Cargo	note	EQ
	3	8	III	354	5 L	365	60 L	A3 A803	E1
	3	8	III	V342	1 I.	1_	_	A3 A803	F1

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 and its amendments EU. (ATP)

- Container information:

No data available.

-Restrictions applied under Title VIII of Regulation (EC) No. 1907/2006 (REACH):

The mixture contains at least one restricted substance under Annex XVII of Regulation (EC) No. 1907/2006 (REACH): https://echa.europa.eu/substances-restricted-under-reach. Please refer to Section 3 to identify the substance involved.

- Particular provisions:

No data available.

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

- less than 5 %: phosphonates

- less than 5 % : non-ionic surfactants

- disinfectants

- perfumes

- Labelling for biocidal products (Regulation (UE) n° 528/2012) :

Eusering for stoeraur produces (regulation (e.			
Name	CAS	%	Product-type
LACTIC ACID	79-33-4	40 g/kg	02
			04
GLYCOLIC ACID	79-14-1	14 g/kg	02
			04
DIDECYLDIMETHYLAMMONIUM	7173-51-5	10 g/kg	02
CHLORIDE			04

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ETHANOL	64-17-5	39.6 g/kg	02
			04

Product-type 2: Disinfectants and algaecides not intended for direct application to humans or animals.

Product-type 4: Food and feed area.

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.

Changes from the previous version:

- Section 3
- Section 9

Wording of the phrases mentioned in section 3:

H225	Highly flammable liquid and vapour.
H226	Flammable liquid and vapour.
H290	May be corrosive to metals.
H302	Harmful if swallowed.
H304	May be fatal if swallowed and enters airways.
H312	Harmful in contact with skin.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H332	Harmful if inhaled.
H336	May cause drowsiness or dizziness.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H411	Toxic to aquatic life with long lasting effects.
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.

NOEC: The concentration with no observed effect.

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

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.

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WGK: Wassergefahrdungsklasse (Water Hazard Class).

GHS02 : Flame GHS05 : Corrosion

PBT: Persistent, bioaccumulable and toxic. vPvB: Very persistent, very bioaccumulable. SVHC: Substances of very high concern.