

IF PEROXYCLEAN

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878
Review date: 06/10/2021 Supersedes version of: 14/06/2019 Version: 2.0

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

1.1. Product identifier

Product form : Mixture
Product name : IF PEROXYCLEAN
UFI : JJN0-C4JA-W20S-AMW4
Product code : 739
Type of product : Mixture

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

1.2.1. Relevant identified uses

Main use category : Professional use
Use of the substance/mixture : Solution of hydrogen peroxide - professional use only.
Use of the substance/mixture : Oxygen-based bleaching agents
Function or use category : Bleaching agents

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Indufarm nv N.V.
Industriestraat 29
8755 Ruiselede
Belgium
T +32 (0) 51624245
info@indufarm.com - www.indufarm.com

1.4. Emergency telephone number

Country	Official advisory body	Address	Emergency number	Comment
Ireland	National Poisons Information Centre Beaumont Hospital	PO Box 1297 Beaumont Road 9 Dublin	+353 1 809 2566 (Healthcare professionals- 24/7) +353 1 809 2166 (public, 8am - 10pm, 7/7)	
United Kingdom	National Poisons Information Service (Birmingham Centre) City Hospital	Dudley Road B18 7QH Birmingham	0344 892 0111	

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Acute Tox. 4 (Oral) H302
Acute Tox. 4 (Inhalation) H332
Skin Irrit. 2 H315
Eye Dam. 1 H318
STOT SE 3 H335

Full text of hazard classes, H- and EUH-statements: see section 16

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

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

Hazard pictograms (CLP) :



GHS05

GHS07

CLP Signal word : Danger
Contains : Hydrogen peroxide
Hazard statements (CLP) : H302+H332 - Harmful if swallowed or if inhaled.
H315 - Causes skin irritation.

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Precautionary statements (CLP)

H318 - Causes serious eye damage.
H335 - May cause respiratory irritation.

: P261 - Avoid breathing dust/fume/gas/mist/vapours/spray.
P301+P312 - IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.
P302+P352 - IF ON SKIN: Wash with plenty of soap and water.
P304+P340 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310 - Immediately call a POISON CENTER or doctor/physician.

2.3. Other hazards

The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Hydrogen peroxide substance with national workplace exposure limit(s) (IE, GB)	CAS-no: 7722-84-1 Einecs nr: 231-765-0 EG annex nr: 008-003-00-9 REACH-no: 01-2119485845-22	30 – 60	Ox. Liq. 1, H271 Acute Tox. 4 (Oral), H302 Acute Tox. 4 (Inhalation), H332 Acute Tox. 4 (Inhalation:dust,mist), H332 Skin Corr. 1A, H314 Eye Dam. 1, H318 STOT SE 3, H335 Aquatic Chronic 3, H412

Specific concentration limits:

Name	Product identifier	Specific concentration limits
Hydrogen peroxide	CAS-no: 7722-84-1 Einecs nr: 231-765-0 EG annex nr: 008-003-00-9 REACH-no: 01-2119485845-22	(5 ≤C < 8) Eye Irrit. 2, H319 (8 ≤C < 50) Eye Dam. 1, H318 (35 ≤C < 100) STOT SE 3, H335 (35 ≤C < 50) Skin Irrit. 2, H315 (50 ≤C < 70) Skin Corr. 1B, H314 (50 ≤C < 70) Ox. Liq. 2, H272 (63 ≤C < 100) Aquatic Chronic 3, H412 (70 ≤C < 100) Skin Corr. 1A, H314 (70 ≤C < 100) Ox. Liq. 1, H271

Full text of H- and EUH-statements: see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures

General advice : In case of doubt or persistent symptoms, consult always a physician.

Inhalation : Take victim to fresh air, in a quiet place and if necessary take medical advice.

Skin contact : Take off immediately all contaminated clothing. Wash off with plenty of water. Immediately call a POISON CENTER/doctor.

Eye contact : Wash with plenty of water (during 20 minutes minimum) with eyes wide open after taking off soft contact lenses and immediately take medical advice.

Ingestion : Rinse mouth with water, do not induce vomiting, call a doctor.

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

Acute effects inhalation : May cause respiratory irritation. Harmful if inhaled.

Acute effects skin : Causes skin irritation.

Acute effects eyes : Causes serious eye damage.

Acute effects oral route : Harmful if swallowed.

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

No additional information available

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SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media : water in large amounts.

5.2. Special hazards arising from the substance or mixture

Explosion hazard : Not applicable.

5.3. Advice for firefighters

Protection during firefighting : Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Protective equipment : Concerning personal protective equipment to use, see section 8.

Emergency procedures : Evacuate unnecessary personnel.

6.1.2. For emergency responders

No additional information available

6.2. Environmental precautions

Dilute small quantities with a lot of water.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Do not absorb in sawdust, paper, cloth or other combustible absorbents.

6.4. Reference to other sections

No additional information available

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Avoid contact with skin and eyes. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

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

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Store in a well-ventilated place. Keep cool. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.1.1 National occupational exposure and biological limit values

Hydrogen peroxide (7722-84-1)	
Ireland - Occupational Exposure Limits	
Local name	Hydrogen peroxide
OEL TWA [1]	1.5 mg/m ³
OEL TWA [2]	1 ppm
OEL STEL	3 mg/m ³
OEL STEL [ppm]	2 ppm
Regulatory reference	Chemical Agents Code of Practice 2021
United Kingdom - Occupational Exposure Limits	
Local name	Hydrogen peroxide
WEL TWA (OEL TWA) [1]	1.4 mg/m ³
WEL TWA (OEL TWA) [2]	1 ppm
WEL STEL (OEL STEL)	2.8 mg/m ³
WEL STEL (OEL STEL) [ppm]	2 ppm
Regulatory reference	EH40/2005 (Fourth edition, 2020). HSE

8.1.2. Recommended monitoring procedures

No additional information available

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8.1.3. Air contaminants formed

No additional information available

8.1.4. DNEL and PNEC

No additional information available

8.1.5. Control banding

No additional information available

8.2. Exposure controls

8.2.1. Appropriate engineering controls

No additional information available

8.2.2. Personal protection equipment

8.2.2.1. Eye and face protection

Eye protection:

Safety glasses with side-shields (EN 166). Face shield

8.2.2.2. Skin protection

Protective equipment:

Wear suitable protective clothing minimum (EN 13034) Type 6 equipment. Safety shoes

Hand protection:

Chemical resistant PVC gloves (to European standard EN 374 or equivalent)

Hand protection					
Type	Material	Permeation	Thickness (mm)	Penetration	Standard
	Polyvinylchloride (PVC), Natural rubber, Butyl rubber, Nitrile rubber (NBR)				

8.2.2.3. Respiratory protection

Respiratory protection:

In case of insufficient ventilation wear suitable respiratory equipment. Extra personal protection: P2 filter respirator for harmful particles

8.2.2.4. Thermal hazards

No additional information available

8.2.3. Environmental exposure controls

No additional information available

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Colour	: clear. Colourless.
Physical state/form	: Liquid.
Odour	: Irritating.
Odour threshold	: Not available
Melting point/range	: -33 °C
Freezing point	: Not available
Boiling point/Boiling range	: 108 °C
Flammability	: Not available
Explosive limits	: Not available
Lower explosive limit (LEL)	: Not available
Upper explosive limit (UEL)	: Not available
Flash point	: Not applicable
Autoignition temperature	: Not flammable
Decomposition temperature	: > 60 °C (SADT)
pH	: 2 (21°C)
Viscosity, kinematic	: Not available

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Viscosity, dynamic	: 1.17 mPa·s
Solubility	: Water: completely soluble
Partition coefficient n-octanol/water (Log Kow)	: Not available
Vapour pressure	: Not available
Vapour pressure at 50 °C	: Not available
Density	: Not available
Relative density	: 1196 kg/m ³
Relative vapour density at 20 °C	: 1
Particle size	: Not applicable
Particle size distribution	: Not applicable
Particle shape	: Not applicable
Particle aspect ratio	: Not applicable
Particle aggregation state	: Not applicable
Particle agglomeration state	: Not applicable
Particle specific surface area	: Not applicable
Particle dustiness	: Not applicable

9.2. Other information

9.2.1. Information with regard to physical hazard classes

No additional information available

9.2.2. Other safety characteristics

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

When decomposing: oxidation resulting in increased fire or explosion risk. On heating: explosive decomposition: pressure build-up may cause closed container to burst.

10.2. Chemical stability

No decomposition if stored and applied as directed.

10.3. Possibility of hazardous reactions

Contact with combustible material may cause fire. Heating may cause a fire or explosion.

10.4. Conditions to avoid

No open flames, no sparks, and no smoking. Avoid ignition sources. contamination. To avoid thermal decomposition, do not overheat.

10.5. Incompatible materials

Never mix with other materials. Acids. Bases. metals. reducing materials. Organic materials. Combustible materials.

10.6. Hazardous decomposition products

Oxygen.

SECTION 11: Toxicological information

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

Acute toxicity (oral)	: Harmful if swallowed.
Acute toxicity (dermal)	: Not classified
Acute toxicity (inhalation)	: Harmful if inhaled.

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ATE CLP (oral)	879.592 mg/kg bodyweight
ATE CLP (gases)	4500 ppmv/4h
ATE CLP (vapours)	11 mg/l/4h
ATE CLP (dust,mist)	1.5 mg/l/4h
Hydrogen peroxide (7722-84-1)	
LD50 oral rat	431 mg/kg
LD50 dermal rabbit	6440 mg/kg
LC50 Inhalation - Rat (Dust/Mist)	1.5 mg/l/4h
LC50 Inhalation - Rat (Vapours)	> 0.17 mg/l/4h
Skin corrosion/irritation	: Causes skin irritation. pH: 2 (21°C)

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Serious eye damage/irritation	: Causes serious eye damage. pH: 2 (21°C)
Respiratory or skin sensitisation	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified

Hydrogen peroxide (7722-84-1)

IARC group	3 - Not classifiable
Reproductive toxicity	: Not classified
STOT-single exposure	: May cause respiratory irritation.

Hydrogen peroxide (7722-84-1)

STOT-single exposure	May cause respiratory irritation.
STOT-repeated exposure	: Not classified
Aspiration hazard	: Not classified

11.2. Information on other hazards

No additional information available

SECTION 12: Ecological information

12.1. Toxicity

Hazardous to the aquatic environment, short-term (acute)	: Not classified
Hazardous to the aquatic environment, long-term (chronic)	: Not classified.

Hydrogen peroxide (7722-84-1)

LC50 - Fish [1]	16.4 mg/l
EC50 - Crustacea [1]	2.4 mg/l
EC50 72h - Algae [1]	2.62 mg/l
ErC50 algae	1.38 mg/l
NOEC chronic crustacea	0.63 mg/l

12.2. Persistence and degradability

Hydrogen peroxide (7722-84-1)

Persistence and degradability	Biodegradable.
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12.3. Bioaccumulative potential

Hydrogen peroxide (7722-84-1)

Log Pow	-1.6
Bioaccumulative potential	No bioaccumulation.

12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Endocrine disrupting properties

No additional information available

12.7. Other adverse effects

No additional information available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste / unused products	: Collect all waste in suitable and labelled containers and dispose according to local legislation.
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SECTION 14: Transport information

In accordance with ADR / IMDG / IATA

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ADR	IMDG	IATA
14.1. UN number or ID number		
UN 2014	UN 2014	UN 2014
14.2. UN proper shipping name		
HYDROGEN PEROXIDE, AQUEOUS SOLUTION	HYDROGEN PEROXIDE, AQUEOUS SOLUTION	Hydrogen peroxide, aqueous solution
Transport document description		
UN 2014 HYDROGEN PEROXIDE, AQUEOUS SOLUTION, 5.1 (8), II, (E)	UN 2014 HYDROGEN PEROXIDE, AQUEOUS SOLUTION, 5.1 (8), II	UN 2014 Hydrogen peroxide, aqueous solution, 5.1 (8)
14.3. Transport hazard class(es)		
5.1 (8)	5.1 (8)	5.1 (8)
		Not applicable
14.4. Packing group		
II	II	Not applicable
14.5. Environmental hazards		
Dangerous for the environment: No	Dangerous for the environment: No Marine pollutant: No	Dangerous for the environment: No
No supplementary information available		

14.6. Special precautions for user

Overland transport

Classification code (ADR)	: OC1
Limited quantities (ADR)	: 1I
Packing instructions (ADR)	: P504, IBC02
Mixed packing provisions (ADR)	: MP15
Portable tank and bulk container instructions (ADR)	: T7
Portable tank and bulk container special provisions (ADR)	: TP2, TP6, TP24
Tank code (ADR)	: L4BV(+)
Tank special provisions (ADR)	: TU3, TC2, TE8, TE11, TT1
Vehicle for tank carriage	: AT
Transport category (ADR)	: 2
Special provisions for carriage - Loading, unloading and handling (ADR)	: CV24
Hazard identification number (Kemler No.)	: 58
Orange plates	: 
Tunnel code	: E
EAC code	: 2P

Transport by sea

Limited quantities (IMDG)	: 1 L
Packing instructions (IMDG)	: P504
Special packing provisions (IMDG)	: PP10
IBC packing instructions (IMDG)	: IBC02
IBC special provisions (IMDG)	: B5

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Air transport

PCA Limited quantities (IATA)	: Forbidden
PCA limited quantity max net quantity (IATA)	: Forbidden
PCA packing instructions (IATA)	: Forbidden
PCA max net quantity (IATA)	: Forbidden
CAO packing instructions (IATA)	: Forbidden
CAO max net quantity (IATA)	: Forbidden
Special provisions (IATA)	: A2, A75

14.7. Maritime transport in bulk according to IMO instruments

Not applicable

SECTION 15: Regulatory information

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

15.1.1. EU-Regulations

Contains no REACH substances with Annex XVII restrictions

Contains no substance on the REACH candidate list

Contains no REACH Annex XIV substances

Contains no substance subject to Regulation (EU) No 649/2012 of the European Parliament and of the Council of 4 July 2012 concerning the export and import of hazardous chemicals.

Contains no substance subject to Regulation (EU) No 2019/1021 of the European Parliament and of the Council of 20 June 2019 on persistent organic pollutants

Contains substance subject to Regulation (EU) 2019/1148 of the European Parliament and of the Council of 20 June 2019 on the marketing and use of explosives precursors.

ANNEX I RESTRICTED EXPLOSIVES PRECURSORS

List of substances which shall not be made available to, or introduced, possessed or used by, members of the general public, whether on their own or in mixtures or substances that include those substances, unless the concentration is equal to or lower than the limit values set out in column 2, and for which suspicious transactions and significant disappearances and thefts are to be reported to the relevant national contact point within 24 hours.

Name	CAS-No.	Limit value	Upper limit value for licensing under Article 5(3)	Combined Nomenclature (CN) code for a separate chemically defined compound meeting the requirements of Note 1 to Chapter 28 or 29 of the CN, respectively	Combined Nomenclature code for mixture without constituents which would determine classification under another CN code
Hydrogen peroxide	7722-84-1	12 % w/w	35% w/w	2847 00 00	ex 3824 99 96

Please see https://ec.europa.eu/home-affairs/system/files/2021-05/list_of_competent_authorities_and_national_contact_points_en.pdf

15.1.2. National regulations

No additional information available

15.2. Chemical safety assessment

No additional information available

SECTION 16: Other information

Indication of changes			
Section	Changed item	Change	Comments
1.1	Name	Modified	
4.1	Skin contact	Modified	
4.1	Ingestion	Modified	
4.1	Inhalation	Modified	
6.2	Environmental precaution(s)	Modified	
9.1	Colour	Modified	

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Other information

: It is recommended to pass the information of this safety data sheet in an appropriate form to the users. Such information is actually the best of our knowledge and believes accurate as reliable. This information relates to the specific material designated and may not be valid in combination with other products.
This safety data sheet is in compliance with 1907/2006/EEC. It is user's liabilities to take all necessary measures to meet local required laws and regulations. The producer is not responsible for any damage and loss due to the use of information mentioned in this safety data sheet.

Full text of H- and EUH-statements:

Acute Tox. 4 (Inhalation)	Acute toxicity (inhal.), Category 4
Acute Tox. 4 (Inhalation:dust,mist)	Acute toxicity (inhalation:dust,mist) Category 4
Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4
Aquatic Chronic 3	Hazardous to the aquatic environment — Chronic Hazard, Category 3
Eye Dam. 1	Serious eye damage/eye irritation, Category 1
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
H271	May cause fire or explosion; strong oxidiser.
H272	May intensify fire; oxidiser.
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.
H332	Harmful if inhaled.
H335	May cause respiratory irritation.
H412	Harmful to aquatic life with long lasting effects.
Ox. Liq. 1	Oxidising Liquids, Category 1
Ox. Liq. 2	Oxidising Liquids, Category 2
Skin Corr. 1A	Skin corrosion/irritation, Category 1, Sub-Category 1A
Skin Corr. 1B	Skin corrosion/irritation, Category 1, Sub-Category 1B
Skin Irrit. 2	Skin corrosion/irritation, Category 2
STOT SE 3	Specific target organ toxicity — Single exposure, Category 3, Respiratory tract irritation

Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]:

Acute Tox. 4 (Oral)	H302	Calculation method
Acute Tox. 4 (Inhalation)	H332	
Skin Irrit. 2	H315	Calculation method
Eye Dam. 1	H318	Calculation method
STOT SE 3	H335	Calculation method

Safety Data Sheet (SDS), EU

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.