

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

#### 1.1. Product identifier

Product form : Mixture  
 Product name : ADDITIVE BOOST  
 Product code : M-HP35/30  
 Product group : Klenzan Product

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

##### 1.2.1. Relevant identified uses

Use of the substance/mixture : Cleaning product

##### 1.2.2. Uses advised against

No additional information available

#### 1.3. Details of the supplier of the safety data sheet

Christeyns Food Hygiene Ltd.  
 2 Cameron Court, Winwick Quay  
 WA2 8RE Warrington - United Kingdom  
 T 01925 234696 - F 01925 234693  
[UK-foodinfo@christeyns.com](mailto:UK-foodinfo@christeyns.com) - [www.christeynsfoodhygiene.co.uk](http://www.christeynsfoodhygiene.co.uk)

#### 1.4. Emergency telephone number

Emergency number : 01925 234696 (09:00-17:00 GMT)

Country	Organisation/Company	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 toxicity (oral), Category 4 H302  
 Acute toxicity (inhalation:dust,mist) Category 4 H332  
 Skin corrosion/irritation, Category 2 H315  
 Serious eye damage/eye irritation, Category 1 H318  
 Specific target organ toxicity — Single exposure, Category 3, Respiratory tract irritation H335

Full text of H statements : see section 16

##### Adverse physicochemical, human health and environmental effects

Causes skin irritation. Causes serious eye damage. Harmful if swallowed. May cause respiratory irritation.

#### 2.2. Label elements

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

Hazard pictograms (CLP) :



GHS05

GHS07

Signal word (CLP) :

Danger

Hazardous ingredients :

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 vapours. P280 - Wear protective gloves, protective clothing, face protection, eye protection. P301+P312 - IF SWALLOWED: Call a doctor if you feel unwell. P304+P340 - IF INHALED: Remove person to fresh air and keep 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. P501 - Dispose of container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.
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### 2.3. Other hazards

No additional information available

## SECTION 3: Composition/information on ingredients

### 3.1. Substances

Not applicable

### 3.2. Mixtures

Name	Product identifier	%	Classification according to Directive 67/548/EEC	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Hydrogen Peroxide	(CAS-No.) 7722-84-1 (EC-No.) 231-765-0 (EC Index-No.) 008-003-00-9 (REACH-no) 01-2119485845-22	30 - 65	R5 O; R8 C; R35 Xn; R20/22	Ox. Liq. 1, H271 Acute Tox. 4 (Oral), H302 Acute Tox. 4 (Inhalation:dust,mist), H332 Skin Corr. 1A, H314 STOT SE 3, H335 Aquatic Chronic 3, H412

#### Specific concentration limits:

Name	Product identifier	Specific concentration limits: DSD/DPD	Specific concentration limits: CLP
Hydrogen Peroxide	(CAS-No.) 7722-84-1 (EC-No.) 231-765-0 (EC Index-No.) 008-003-00-9 (REACH-no) 01-2119485845-22	(5 =< C < 8) Xi;R36 (8 =< C < 50) Xi;R41 (C >= 8) Xn;R22 (35 =< C < 50) Xi;R37/38 (C >= 50) O;R8 (50 =< C < 70) C;R34 (C >= 50) Xn;R20 (C >= 70) R5 (C >= 70) C;R35	( 5 =<C < 8) Eye Irrit. 2, H319 ( 8 =<C < 50) Eye Dam. 1, H318 (C >= 35) 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 (C >= 70) Skin Corr. 1A, H314 (C >= 70) Ox. Liq. 1, H271

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

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

First-aid measures general	: Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
First-aid measures after inhalation	: Remove person to fresh air and keep comfortable for breathing. Obtain medical attention if breathing difficulty persists.
First-aid measures after skin contact	: Remove contaminated clothing. Drench affected area with water for at least 15 minutes. If skin irritation or rash occurs Get medical advice/attention.
First-aid measures after eye contact	: Irrigate copiously with clean, fresh water for at least 15 minutes, holding the eyelids apart. Obtain emergency medical attention.
First-aid measures after ingestion	: Do NOT induce vomiting. Rinse mouth. Drink directly plenty of water or milk. Obtain emergency medical attention.

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

Symptoms/effects	: Causes serious eye damage. Causes skin irritation. Irritation of the respiratory tract and the other mucous membranes. Corrosion or irritation of the linings of the mouth, throat, and gastrointestinal tract.
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### 4.3. Indication of any immediate medical attention and special treatment needed

Prompt action is critical.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

Suitable extinguishing media	: Water. Dry chemical powder, alcohol-resistant foam, carbon dioxide (CO <sub>2</sub> ). Use extinguishing media appropriate for surrounding fire.
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### 5.2. Special hazards arising from the substance or mixture

Fire hazard : Not flammable.

### 5.3. Advice for firefighters

Firefighting instructions : Use water spray or fog for cooling exposed containers. Prevent fire fighting water from entering the environment.

Protection during firefighting : Use self-contained breathing apparatus and chemically protective clothing.

## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

General measures : Wear recommended personal protective equipment.

#### 6.1.1. For non-emergency personnel

Protective equipment : Avoid any direct contact with the product. Use personal protective equipment as required.

Emergency procedures : Evacuate unnecessary personnel. Only qualified personnel equipped with suitable protective equipment may intervene.

#### 6.1.2. For emergency responders

Protective equipment : Do not attempt to take action without suitable protective equipment.

### 6.2. Environmental precautions

Avoid release to the environment. Prevent entry to sewers and public waters. Notify authorities if product enters sewers or public waters.

### 6.3. Methods and material for containment and cleaning up

For containment : Stop leak if safe to do so. Contain and collect spillages with non-combustible absorbent materials.

Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. This material and its container must be disposed of in a safe way, and as per local legislation. Wash contaminated area with large amounts of water.

### 6.4. Reference to other sections

For further information refer to section 8: "Exposure controls/personal protection".

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Precautions for safe handling : Avoid contact with skin, eyes and clothing. Wear personal protective equipment. Do not mix with other products.

### 7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Keep only in the original container in a cool, well ventilated place. Avoid high temperatures.

### 7.3. Specific end use(s)

Cleaning product.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

Hydrogen Peroxide (7722-84-1)		
EU	Local name	Hydrogen peroxide
EU	Notes	SCOEL Recommendations (Ongoing)
United Kingdom	Local name	Hydrogen peroxide
United Kingdom	WEL TWA (mg/m <sup>3</sup> )	1.4 mg/m <sup>3</sup>
United Kingdom	WEL TWA (ppm)	1 ppm
United Kingdom	WEL STEL (mg/m <sup>3</sup> )	2.8 mg/m <sup>3</sup>
United Kingdom	WEL STEL (ppm)	2 ppm

### 8.2. Exposure controls

#### Appropriate engineering controls:

Good ventilation of the workplace required.

#### Hand protection:

PVC gloves

#### Eye protection:

Safety glasses

#### Skin and body protection:

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Protective clothing (with elasticated cuffs and closed neck). Boots made of PVC. PVC apron covering the tops of the boots

### Respiratory protection:

In case of insufficient ventilation, wear suitable respiratory equipment

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Appearance	: Clear Liquid.
Molecular mass	: 34 g/mol
Colour	: Colourless.
Odour	: Pungent.
Odour threshold	: No data available
pH	: 2 , 100%
Relative evaporation rate (butylacetate=1)	: No data available
Melting point	: -33 °C
Freezing point	: No data available
Boiling point	: 108 °C
Flash point	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: > 60 °C
Flammability (solid, gas)	: No data available
Vapour pressure	: 1 hPa
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Density	: 1.15
Solubility	: Soluble in water.
Log Pow	: -1.57
Viscosity, kinematic	: No data available
Viscosity, dynamic	: 1.17 mPa.s
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available

### 9.2. Other information

No additional information available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

Stable under normal conditions.

### 10.2. Chemical stability

Stable under normal conditions.

### 10.3. Possibility of hazardous reactions

None under normal conditions.

### 10.4. Conditions to avoid

Extremely high or low temperatures. Direct sunlight.

### 10.5. Incompatible materials

No additional information available

### 10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

Acute toxicity (oral)	: Oral: Harmful if swallowed.
Acute toxicity (dermal)	: Not classified
Acute toxicity (inhalation)	: Inhalation:dust,mist: Harmful if inhaled.

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ATE CLP (oral)	1428.571 mg/kg bodyweight
ATE CLP (dust,mist)	4.286 mg/l/4h

### Hydrogen Peroxide (7722-84-1)

LD50 oral rat	500 mg/kg
LD50 dermal rabbit	> mg/kg
LC50 inhalation rat (Vapours - mg/l/4h)	11 mg/l/4h

Skin corrosion/irritation	: Causes skin irritation. pH: 2 , 100%
Serious eye damage/irritation	: Causes serious eye damage. pH: 2 , 100%
Respiratory or skin sensitisation	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified
STOT-single exposure	: May cause respiratory irritation.
STOT-repeated exposure	: Not classified
Aspiration hazard	: Not classified

## SECTION 12: Ecological information

### 12.1. Toxicity

Acute aquatic toxicity	: Not classified
Chronic aquatic toxicity	: Not classified

### Hydrogen Peroxide (7722-84-1)

LC50 fish 1	16.4 mg/l
EC50 Daphnia 1	2.4 mg/l
EC50 72h algae (1)	1.38 mg/l
NOEC (acute)	1 mg/l
NOEC chronic fish	4.3 mg/l
NOEC chronic crustacea	0.63 mg/l
NOEC chronic algae	0.63 mg/l

### 12.2. Persistence and degradability

### Hydrogen Peroxide (7722-84-1)

Biodegradation	100 %
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### 12.3. Bioaccumulative potential

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Log Pow	-1.57
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### Hydrogen Peroxide (7722-84-1)

Log Pow	-1.57
Bioaccumulative potential	There is no bioaccumulation.

### 12.4. Mobility in soil

### Hydrogen Peroxide (7722-84-1)

Log Koc	0.2
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### 12.5. Results of PBT and vPvB assessment

#### ADDITIVE BOOST

Results of PBT assessment	The product does not meet the PBT and vPvB classification criteria
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#### Component

Hydrogen Peroxide (7722-84-1)	PBT: not relevant – no registration required vPvB: not relevant – no registration required
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### 12.6. Other adverse effects

No additional information available

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### SECTION 13: Disposal considerations

#### 13.1. Waste treatment methods

Product/Packaging disposal recommendations : Avoid release to the environment. Dispose in a safe manner in accordance with local/national regulations.

### SECTION 14: Transport information

In accordance with ADR / IMDG

ADR	IMDG
<b>14.1. UN number</b>	
2014	2014
<b>14.2. UN proper shipping name</b>	
HYDROGEN PEROXIDE, AQUEOUS SOLUTION	HYDROGEN PEROXIDE, AQUEOUS SOLUTION
<b>Transport document description</b>	
UN 2014 HYDROGEN PEROXIDE, AQUEOUS SOLUTION, 5.1 (8), II, (E)	UN 2014 HYDROGEN PEROXIDE, AQUEOUS SOLUTION, 5.1 (8), II
<b>14.3. Transport hazard class(es)</b>	
5.1 (8)	5.1 (8)
	
<b>14.4. Packing group</b>	
II	II
<b>14.5. Environmental hazards</b>	
Dangerous for the environment : No	Dangerous for the environment : No Marine pollutant : No
No supplementary information available	

#### 14.6. Special precautions for user

##### - Overland transport

Classification code (ADR) : OC1  
Limited quantities (ADR) : 11  
Excepted quantities (ADR) : E2  
Packing instructions (ADR) : P504, IBC02  
Special packing provisions (ADR) : PP10, B5  
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 restriction code (ADR) : E  
EAC code : 2P

##### - Transport by sea

Limited quantities (IMDG) : 1 L  
Excepted quantities (IMDG) : E2  
Packing instructions (IMDG) : P504  
Special packing provisions (IMDG) : PP10

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IBC packing instructions (IMDG)	: IBC02
IBC special provisions (IMDG)	: B5
Tank instructions (IMDG)	: T7
Tank special provisions (IMDG)	: TP2, TP6, TP24
EmS-No. (Fire)	: F-H
EmS-No. (Spillage)	: S-Q
Stowage category (IMDG)	: D
Properties and observations (IMDG)	: Colourless liquid.Slowly decomposes, evolving oxygen; the rate of decomposition increases in contact with metals, except aluminium. In contact with combustible material may cause fire or explosion. Causes burns to skin, eyes and mucous membranes.?Even though stabilized, these solutions may evolve oxygen.

### 14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

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

#### 15.1.2. National regulations

##### Germany

Reference to AwSV : Water hazard class (WGK) 3, severe hazard to waters (Classification according to AwSV, Annex 1)

12th Ordinance Implementing the Federal Immission Control Act - 12.BImSchV : Is not subject of the 12. BImSchV (Hazardous Incident Ordinance)

##### Netherlands

SZW-lijst van kankerverwekkende stoffen : None of the components are listed

SZW-lijst van mutagene stoffen : None of the components are listed

NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Borstvoeding : None of the components are listed

NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Vruchtbaarheid : None of the components are listed

NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Ontwikkeling : None of the components are listed

##### Denmark

Danish National Regulations : Young people below the age of 18 years are not allowed to use the product

### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out

## SECTION 16: Other information

Indication of changes:

Section	Changed item	Change	Comments
2	Classification according to Regulation (EC) No. 1272/2008 [CLP]	Modified	

Data sources : REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.

Other information : None.

Full text of R-, H- and EUH-statements:

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

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Ox. Liq. 1	Oxidising Liquids, Category 1
Skin Corr. 1A	Skin corrosion/irritation, Category 1A
Skin Irrit. 2	Skin corrosion/irritation, Category 2
STOT SE 3	Specific target organ toxicity — Single exposure, Category 3, Respiratory tract irritation
H271	May cause fire or explosion; strong oxidiser.
H302	Harmful if swallowed.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H318	Causes serious eye damage.
H332	Harmful if inhaled.
H335	May cause respiratory irritation.
H412	Harmful to aquatic life with long lasting effects.

REACH 22112017

*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*