

SAFETY DATA SHEET

ADHOL NO.10

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

1.1. Product identifier

Product name ADHOL NO.10

Product number HLA17

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

Identified uses CIP Additive For professional use only.

Uses advised against Not for direct contact with Food or Beverage stuffs. Not for oral consumption. Must not be used where Hypochlorite based chemicals (Bleach) are present.

1.3. Details of the supplier of the safety data sheet

Supplier UK - Holchem Laboratories Ltd. Gateway House, Pilsworth Road, Bury, BL9 8RD

Tel : +44 (0) 1706 222288; e-mail info@holchem.co.uk

EU - Kersia Deutschland GmbH, Marie-Curie-Straße 23
53332 Bornheim - Sechtem

1.4. Emergency telephone number

Emergency telephone Emergency Information:-
For accidents and spillages involving this product that pose a threat to the environment, or human health, or require immediate first aid advice call:- +44(0) 1865 407333.
Note:- This number will not accept order queries or calls dealing with equipment breakdowns.
This product is registered with the NPIS. UK Environment Agency 24hour Advisory Service 0800 807060. Irish Environmental Protection Agency 1890 335599 (This is a Lo Call Number)
This product is registered with the Irish National Poison Centre (NPIC at Beaumont Hospital - Dublin). The Poison Centre can be contacted between 8am and 10pm, telephone +00353 1 8092566.

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SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification (EC 1272/2008)

Physical hazards Not Classified

Health hazards Acute Tox. 4 - H302 Skin Irrit. 2 - H315 Eye Dam. 1 - H318 STOT SE 3 - H335

Environmental hazards Not Classified

2.2. Label elements

Hazard pictograms



Signal word Danger

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Hazard statements	H302 Harmful if swallowed. H315 Causes skin irritation. H318 Causes serious eye damage. H335 May cause respiratory irritation.
Precautionary statements	P280 Wear protective gloves/ protective clothing/ eye protection/ face protection. P301+P330+P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. P302+P352 IF ON SKIN: Wash with plenty of water. 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. P313 Get medical advice/ attention. P501 Dispose of contents/ container in accordance with national regulations.
Contains	HYDROGEN PEROXIDE SOLUTION ... %
Detergent labelling	≥ 30% oxygen-based bleaching agents
Supplementary precautionary statements	P403+P233 Store in a well-ventilated place. Keep container tightly closed. P405 Store locked up.

2.3. Other hazards

This product does not contain any substances classified as PBT or vPvB.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

HYDROGEN PEROXIDE SOLUTION ... %	30-<45%
CAS number: 7722-84-1	EC number: 231-765-0
	REACH registration number: 01-2119485845-22

Classification

Ox. Liq. 1 - H271
Acute Tox. 4 - H302
Acute Tox. 4 - H332
Skin Corr. 1A - H314
Eye Dam. 1 - H318
STOT SE 3 - H335

The full text for all hazard statements is displayed in Section 16.

Composition comments	To the best of our knowledge, all of the substances used in this product are being supported for the relevant application in REACH. Note:- From annex VI of CLP directive, supplementary classification of H412 - Hazardous to the aquatic environment - has also been considered. This on the basis of supplier information.
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SECTION 4: First aid measures

4.1. Description of first aid measures

General information	For immediate First Aid advice in the UK, dial 111. When it is safe to do so, remove victim immediately from source of exposure. However, consideration should be given as to whether moving the victim will cause further injury.
Inhalation	Remove affected person from source of contamination. Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. If breathing stops, provide artificial respiration. Get medical attention if any discomfort continues.

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Ingestion	Do not induce vomiting. Rinse mouth thoroughly with water. Place unconscious person on the side in the recovery position and ensure breathing can take place. Get medical attention.
Skin contact	Remove contaminated clothing that is not stuck to the skin. Flush area with clean water. Get medical attention if any discomfort continues.
Eye contact	Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes and get medical attention. There is potential for loss of eye site. Rinsing and medical attention is essential.

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

General information	Neat product may cause skin irritation and permanent damage to eyes. Dilute product may result in irritation to both. This product is designed to be used as an additive. It is essential to consider other substances that may also be present.
Inhalation	May cause damage to mucous membranes in nose, throat, lungs and bronchial system.
Ingestion	Unlikely route of exposure without deliberate abuse. May cause chemical burns in mouth and throat. If dilute chemical is ingested some soreness of the mouth, throat and GI tract may occur.
Skin contact	Prolonged contact with neat chemical may result in skin redness, irritation, dermatitis or burns. Use solutions may cause mild irritation, especially to open cuts and abrasions.
Eye contact	May result in permanent eye damage.

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

Notes for the doctor	Rinse well with water to neutral pH. This product is used as an additive to Caustic solutions. Check if this is the case and consider potential chemical burns due to Sodium Hydroxide exposure.
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SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media Use fire-extinguishing media suitable for the surrounding fire.

5.2. Special hazards arising from the substance or mixture

Specific hazards Oxygen. Non-combustible. Breakdown may release Oxygen to support combustion of surrounding materials. Emits oxygen easily and may cause fire or explosion if heated. Contact with flammables may cause fire or explosions Contact with Sodium Hypochlorite liberates toxic Chlorine Gas. Heating may result in over-pressurisation of containers leading to bursting and release of chemical.

5.3. Advice for firefighters

Protective actions during firefighting	Protective clothing and respiratory protection should be worn when tackling fires involving this product. Control run-off water by containing and keeping it out of sewers and watercourses. Cool containers exposed to heat with water spray and remove them from the fire area if it can be done without risk.
Special protective equipment for firefighters	Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions Wear protective clothing as described in Section 8 of this safety data sheet.

6.2. Environmental precautions

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Environmental precautions Spillages or uncontrolled discharges into watercourses must be reported immediately to the Environmental Agency or other appropriate regulatory body. Avoid or minimise the creation of any environmental contamination.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up Stop leak if possible without risk. Absorb in vermiculite, dry sand or earth and place into containers. Do not use textiles, saw dust or other combustible materials to dam or soak up spillages. Collect and place in suitable waste disposal containers and seal securely. For waste disposal, see Section 13. Containers with collected spillage must be properly labelled with correct contents and hazard symbol.

6.4. Reference to other sections

Reference to other sections See sections 8, 12 & 13

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Usage precautions Wear suitable protective equipment for prolonged exposure and/or high concentrations of vapours, spray or mist. Read and follow manufacturer's recommendations.

7.2. Conditions for safe storage, including any incompatibilities

Storage precautions Keep only in the original container in a cool, well-ventilated place. Store in a demarcated bunded area to prevent release to drains and/or watercourses. Avoid contact with reducing agents. Store away from direct sunlight. Keep away from flammable and combustible materials. Avoid contact with reducing agents.

7.3. Specific end use(s)

Specific end use(s) Detergent, refer to Product Information Sheet for full details.

Usage description This product is suitable for cleaning food process plants, it is not suitable for direct food contact.

SECTION 8: Exposure controls/Personal protection

8.1. Control parameters

HYDROGEN PEROXIDE SOLUTION ... % (CAS: 7722-84-1)

DNEL	Professional - Inhalation; Short term local effects: 3 mg/m ³ Professional - Inhalation; Long term local effects: 1.4 mg/m ³ Consumer - Inhalation; Short term local effects: 1.93 mg/m ³ Consumer - Inhalation; Long term local effects: 0.21 mg/m ³
PNEC	- Fresh water; 0.0126 mg/l - marine water; 0.0126 mg/l - Intermittent release; 0.0138 mg/l - STP; 4.66 mg/l - Sediment (Freshwater); 0.047 mg/kg - Sediment (Marinewater); 0.047 mg/kg - Soil; 0.0023 mg/kg

8.2. Exposure controls

Protective equipment



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Appropriate engineering controls	Provide adequate general and local exhaust ventilation.
Personal protection	The PPE indicated above is not a COSHH assessment. It represents PPE that should be considered during the manufacture, distribution, use and final disposal stages of this product's life cycle. It is the responsibility of employers to conduct a COSHH/risk assessment to determine appropriate PPE levels. The information given below should be used to support this assessment. Where possible replace manual processes with automated or closed processes to minimise contact with the product.
Eye/face protection	The following protection should be worn: Full face visor or shield. Refer to EN Standard 166 to select appropriate level of protection.
Hand protection	Gloves must be impermeable and resistant to the product. Gloves should be replaced at the first sign of wear. The following are recommended:- Natural Rubber (latex). Material thickness 1mm. Breakthrough time >480MIN (DIN EN374). Butyl Rubber. Material thickness 0.7mm. Breakthrough time >480min (DIN EN374). Nitrile Rubber. Material thickness 0.33mm. Breakthrough time >480min (DIN EN374). Refer to Standard EN 374 and EN 16523
Other skin and body protection	Provide eyewash station. Wear suitable protective clothing as protection against splashing or contamination. Reference to EN 13832 and EN 943 is useful when selecting footwear and clothing.
Hygiene measures	Promptly remove non-impervious clothing that has become contaminated, provided it is not adhered to the skin. Wash contaminated clothing before reuse. Provide eyewash station and safety shower.
Respiratory protection	No specific recommendation made, but respiratory protection must be used if the general level exceeds the Workplace Exposure Limit. Suitable filter:- Type NO-P3, colour code blue-white. In the event of prolonged exposure self contained breathing apparatus is recommended. Consult EN 133.
Environmental exposure controls	Do not allow the substance to contaminate surface water/ground water. See points 6, 12 &13. Discharge of solutions into effluent systems (including municipal drains) or to surface water are expected to cause significant pH changes. Discharge of solutions should be carried out such that pH changes are minimised. Where necessary pH buffering measures should be adopted. Users of this product should consult local drainage and permitting authorities to ensure that any restrictions or discharge consents are adhered to.
General Health and Safety Measures.	The above requirements refer to the neat chemical. In-use solutions may have a lower classification, however, a full risk assessment should be carried out before handling any chemical(s). Risk assessments should refer to COSHH and any other relevant legislation or industry specific guidelines governing the use of chemicals. Risk assessments should consider hazards from chemicals used in conjunction with this product. This product is used as an additive to other products. It is essential to consult the msds for both products.

SECTION 9: Physical and chemical properties**9.1. Information on basic physical and chemical properties**

Appearance	Clear liquid.
Colour	Colourless.
Odour	Pungent.
Odour threshold	No information available.
pH	pH (concentrated solution): 1 - 3 @ 20 Degrees C pH (diluted solution): 3.0 - 4.0 @1% solution
Melting point	< 0°C

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Initial boiling point and range	114 Degrees C
Flash point	Not applicable. Contains no Flammable Components
Evaporation rate	Data lacking.
Evaporation factor	Not applicable.
Flammability (solid, gas)	Not applicable.
Upper/lower flammability or explosive limits	Data lacking.
Other flammability	Not applicable.
Vapour pressure	2.99 hPa at 25C
Vapour density	Not applicable.
Relative density	1.13 @20 Degrees C
Bulk density	Not applicable.
Solubility(ies)	Soluble in water.
Partition coefficient	Not applicable. Not technically practical for mixtures.
Auto-ignition temperature	Not applicable.
Decomposition Temperature	Data lacking.
Viscosity	1.8 mPas @ 0°C
Explosive properties	Not applicable.
Explosive under the influence of a flame	Not considered to be explosive.
Oxidising properties	Has Oxidising Properties.
<u>9.2. Other information</u>	
Refractive index	Not applicable.
Particle size	Not applicable.
Molecular weight	Not applicable.
Volatility	Not applicable.
Saturation concentration	Not applicable.
Critical temperature	Not applicable.
Volatile organic compound	Not applicable.
Explosive Properties	Not Classified as Explosive
Storage Temperature Range	-10 to +30 degrees C

SECTION 10: Stability and reactivity**10.1. Reactivity**

Reactivity Not expected to react when correctly stored and used. Mixing with other chemicals may produce unexpected reactions.

10.2. Chemical stability

Stability Stable at normal ambient temperatures and when used as recommended. - See note 10.6.

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10.3. Possibility of hazardous reactions

Possibility of hazardous reactions	<p>Éviter le contact avec des agents réducteurs, par exemple le sulfite métabisulfite de sodium. Voir la section 10.1. Le contact avec des matières combustibles peut provoquer un incendie ou des explosions.</p> <p>Le contact avec des matières inflammables peut provoquer un incendie ou des explosions.</p> <p>Risque d'explosion si chauffé sous confinement.</p> <p>Le feu ou une chaleur intense peut provoquer une rupture violente des emballages. Éviter le contact avec des matières organiques, par exemple l'emballage en carton, les solvants organiques et les détergents à base de tensioactifs.</p> <p>Né pas mélanger avec des produits à base de chlorure d'hypochlorite, cela entraînera la formation d'un gaz toxique de chlore.</p>
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10.4. Conditions to avoid

Conditions to avoid	<p>Éviter la chaleur, les flammes et d'autres sources d'ignition. Éviter la pression, la contamination par la poussière ou des matières combustibles. Ne pas laisser sécher le produit. Ne pas exposer à la lumière UV ou à la lumière directe du soleil.</p>
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10.5. Incompatible materials

Materials to avoid	<p>Réagit violemment avec des matières organiques facilement oxydables, les acides, les alcalis, les agents réducteurs et d'autres oxydants. Décomposé catalytiquement par les métaux lourds et leurs sels, les enzymes et les contaminants tels que la saleté ou la rouille. Matières inflammables/combustibles.</p>
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10.6. Hazardous decomposition products

Hazardous decomposition products	Oxygène.
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SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity - oral

ATE oral (mg/kg)	500.0
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Acute toxicity - inhalation

ATE inhalation (vapours mg/l)	31.43
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Skin sensitisation

Skin sensitisation	Aucune preuve de sensibilisation cutanée pour aucun composant de cette formulation.
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Carcinogenicity

Carcinogenicity	Les composants de cette formulation ne seront pas disponibles systémiquement dans le corps dans des conditions normales de manipulation. En conséquence, il n'est pas attendu qu'il provoque le cancer.
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Reproductive toxicity

Reproductive toxicity - fertilité	Les composants de cette formulation ne seront pas disponibles systémiquement dans le corps dans des conditions normales d'utilisation et de manipulation. En conséquence, il n'est pas attendu qu'il soit toxique pour le système reproducteur ou le fœtus en développement.
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General information	Voir la section 4.2.
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Inhalation	Peut causer des dommages aux muqueuses du nez, de la gorge, des poumons et du système bronchique.
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Ingestion	Provoque des brûlures. Peut causer des blessures internes.
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Skin contact	Ce produit est fortement irritant. Un contact prolongé peut provoquer des brûlures.
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Eye contact	Peut causer des blessures permanentes aux yeux.
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SECTION 12: Ecological information

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Ecotoxicity This product is classified as harmful to aquatic life. Normal use is not expected to pose a risk.

12.1. Toxicity

Acute aquatic toxicity

Acute toxicity - fish

This mixture is not classified as toxic to aquatic organisms.
Normal use of diluted product is unlikely to pose a risk.
See note 12.0.

12.2. Persistence and degradability

Persistence and degradability This product consists solely of inorganic materials for which biodegradation assessment is not applicable.

12.3. Bioaccumulative potential

Bioaccumulative potential Not expected to bioaccumulate.

Partition coefficient

Not applicable. Not technically practical for mixtures.

12.4. Mobility in soil

Mobility

The product contains substances which are water soluble and may spread in water systems.

12.5. Results of PBT and vPvB assessment

Results of PBT and vPvB assessment

This product does not contain any substances classified as PBT or vPvB.

12.6. Other adverse effects

Other adverse effects

Not determined.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

General information

When handling waste, the safety precautions applying to handling of the product should be considered. Disposal of this product, process solutions, residues and by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any local authority requirements. Do not mix with other chemicals.

Disposal methods

Small volumes of use solution can be disposed of to sewers.

SECTION 14: Transport information

14.1. UN number

UN No. (ADR/RID) 2014

UN No. (IMDG) 2014

UN No. (ICAO) 2014

14.2. UN proper shipping name

Proper shipping name (ADR/RID) HYDROGEN PEROXIDE, AQUEOUS SOLUTION

Proper shipping name (IMDG) HYDROGEN PEROXIDE, AQUEOUS SOLUTION

Proper shipping name (ICAO) HYDROGEN PEROXIDE, AQUEOUS SOLUTION

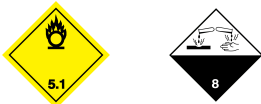
Proper shipping name (ADN) HYDROGEN PEROXIDE, AQUEOUS SOLUTION

14.3. Transport hazard class(es)

ADR/RID class 5.1

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ADR/RID label	5.1 & 8
IMDG class	5.1
ICAO class/division	5.1
ICAO subsidiary risk	8

Transport labels**14.4. Packing group**

ADR/RID packing group	II
IMDG packing group	II
ICAO packing group	II

14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant

No.

14.6. Special precautions for user

EmS	5.1-02
Emergency Action Code	2P
Hazard Identification Number (ADR/RID)	58

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

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code Not applicable.

Not applicable.

SECTION 15: Regulatory information**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**

National regulations	UK Adoption and Implementation of the UN Globally Harmonised System (GHS) on Classification and Labelling of Chemicals (GB CLP) and considers UK National REACH legislation.
EU legislation	European Regulation (EC) No 1272/2008 (as amended) on Classification, Labelling and Packaging of Substances and Mixtures. Also considered is the REACH Regulation (EC) No.1907/2006 (as amended).
Explosive Precursors	Regulation (EU) 2019/1148 of the European Parliament and of the Council of 20 June 2019 on the marketing and use of explosives precursors: Acquisition, introduction, possession or use of this product by the general public is restricted by Regulation (EU) 2019/1148. All suspicious transactions, and significant disappearances and thefts should be reported to the relevant national contact point.

15.2. Chemical safety assessment**Pcs Information**

No chemical safety assessment has been carried out.

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SECTION 16: Other information

Abbreviations and acronyms used in the safety data sheet	(EC) No. 1272/2008 : EU Regulation on Classification, Labelling and Packaging of Substances and Mixtures. NPIS - National Poisons Information Service. vPvB - Very Persistent, Very bioaccumulative. PBT - Persistent, Bioaccumulative & Toxic. REACH - Registration, Evaluation, Authorisation & restriction of CHemicals (Regulation EC 1907/2006). DNEL - Derived No Effect Limit. PNEC - Predicted No Effect Concentration. COSHH - Control of Substances Hazardous to Health. Industry - Refers in section 8 to application of the substance in an industrial process. Professional - Refers in section 8 to application/use of the preparation/product in a skilled trade premises.
General information	This document is a Safety Data Sheet, NOT a CoSHH assessment. It is the customer's responsibility to conduct a full CoSHH assessment, taking into account the information held within this document along with other local factors considered in a risk assessment. The Risk and Hazard statements listed below are the full text of abbreviations used in this document. They are not the final classification, for this refer to section 2.
Revision comments	Amendment to the emergency phone number in Section 1.4.
Revision date	16/10/2021
Hazard statements in full	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.
REACH extended MSDS comments	REACH requires that persons handling chemicals should take the necessary risk management measures, in accordance with assessments from manufacturers and importers of chemical substances. The relevant recommendations must be passed along the supply chain. These assessments are generally reported in Exposure Scenarios. Where Exposure Scenarios have been provided for substances used in this product, the relevant information is incorporated into the safety data sheet.
END OF SAFETY DATA SHEET	

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.