SAFETY DATA SHEET

05185 / 05186 – ULTRA LAUNDRY DESTAIN LIQUID

Trust Hygiene Services Limited

1. IDENTIFICATION OF THE PREPARATION AND COMPANY

PRODUCT CODE: 05185 / 05186

PRODUCT NAME: ULTRA LAUNDRY DESTAIN LIQUID 2 x 5 Ltrs / 10 Ltr

DISTRIBUTOR:

Trust Hygiene Services Limited
Sutherland Avenue
Wolverhampton
West Midlands, WV2 2JH

Telephone: 0370 3500 988
Fax: 01902 872289
Email: sales@trusthygiene.co.uk

2. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical composition: Preparation – Aqueous solution of single substance.

FORMULA: H_2O_2
CAS NO: 7722-84-1
RISK PHRASES: R34 – Causes Burns
CLASSIFICATION/SYMBOL: C – Corrosive

3. HAZARDS IDENTIFICATION

A corrosive, oxidising liquid.

4. FIRST AID MEASURES

INHALATION: Fresh air, rest. Transport to hospital.
INGESTION: If conscious, give plenty of water to drink and transport to hospital. Keep patient quiet and warm. Immediate medical advice: Risk of gas embolism on ingestion. Keep patient laid down.
SKIN: Remove contaminated clothing and wash affected skin with plenty of water. Soak cloths in water to prevent fire risk. Consult doctor.
EYES: In case of eye contact with liquid, vapour or hazes, flush eyes with water for at least 15 minutes. Transport to a doctor.

5. FIRE FIGHTING MEASURES

SPECIAL FIRE/EXPLOSION HAZARD: Not combustible but enhances combustion of other substances. Risk of pressure rise and bursting containers.
PRODUCTS OF COMBUSTION: Decomposes to water and oxygen which increases intensity of fire.
FIRE FIGHTING PROCEDURES According to other substances involved in fire.
EXTINGUISHING MEDIA: Do not use dry chemical or foam. Keep containers cool with water spray. Wear full protective clothing.

6. ACCIDENTAL RELEASE MEASURES

PERSONAL PROTECTION: Wear goggles giving complete protection to eyes, plastic gloves, apron and boots.
ENVIRONMENTAL PRECAUTIONS: Contain but do not absorb in sawdust or other combustible material. If substance has entered water course or sewer advise police.
METHODS OF CLEANING UP: Collect spilled liquid in plastic, aluminium or stainless steel container (NOT IRON). Never return to original tank/container. Flush away small residues with excess water.

7. HANDLING AND STORAGE

PRECAUTIONS DURING HANDLING: Hydrogen peroxide should only be handled by trained personnel. Cleanliness is essential as any contamination may cause catalytic decomposition. Eye wash and safety showers should be immediately available.
PRECAUTIONS DURING STORAGE: Store in a cool, clean, well ventilated area keep away from incompatible and combustible materials or from sunlight and heat sources. Stores should be built with non-combustible materials and floors should be impermeable. All packages/containers and tanks should have adequate venting. Do not confine product in un-vented vessels or between closed valves. Containers should be checked regularly for abnormalities. Water should always be available to deal with emergencies.

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

Special protective measures:

RESPIRATORY:	Ventilation in a closed area or suitable respirator when concentration exceeds exposure limit.
HAND:	Plastic gloves. Do not use leather or cotton due to fire risk.
EYE:	Goggles giving complete protection to eyes. Wear face shield if risk of splashing.
SKIN:	PVC suiting and boots. Do not use skin creams as these may be oxidised by the peroxide, increasing the hazard. Cotton clothing and leather boots could be a fire risk.
EXPOSURE LIMITS:	1 ppm long term exposure. 2 ppm short term exposure.

PROTECTIVE EQUIPMENT:

9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE:	Clear colourless liquid. (data refers to 24% solution.)
ODOUR:	Pungent.
TEMPERATURES CHARACTERISTICS:	Freezing point: minus 35 deg C. Boiling point: 108 deg C.
pH:	3 – 5.
SOLUBILITY:	in water: Completely. in solvents: May react explosively.
VAPOUR PRESSURE:	3 kpa. At 30 deg C.
DENSITY:	1.131.
FLAMMABILITY:	Not combustible. Flash point:- autoignition temperature: - flammable limits:-

10. STABILITY AND REACTIVITY

STABILITY:	Normally fairly stable. Can decompose violently when heated or in contact with organic material or contamination which may catalyse decomposition.
CONDITIONS TO AVOID:	Organic matter, alkaline solutions, contamination by oxides of iron, including rust, copper, manganese, nickel and chromium.
HAZARDOUS COMPOSITION PRODUCTS:	Decomposition temperature and Rapid decomposition will release large quantities of oxygen (health and fire dangerous products released: risk). Decomposition is exothermic causing temperature rise which will further increase the rate of decomposition.

11. TOXICOLOGY INFORMATION

Toxicological data: LD50 : 1000mg/kg.

Effects of exposure:

EYES:	Corrosive. It should be noted that injuries to the eyes may be observed a week or more after the exposure.
SKIN:	Short contact causes skin burning and discolouration of the affected area. Highly irritant and causes severe erythema and even necrosis.
INHALATION:	Irritant to nose and mucous membranes. Extended respiration may cause lung oedema.
INGESTION:	Corrosive. Rapid release of oxygen may cause gastric distension and internal bleeding, which may lead to severe damage to the organs including fatal damage if ingestion is gross.
CHRONIC EFFECTS:	Not sensitising to animal skin. In vitro was shown to be mutagenic without metabolic activation and not mutagenic with metabolic activation. In vivo: no mutagenic effect has been seen.

Effects on reproduction or on teratogenicity have not been demonstrated in animal tests. Animal experiments did not show any clear evidence of cancerogenicity in different species. Not listed as a carcinogen.

12. ECOLOGICAL INFORMATION

MOBILITY:	Water soluible with degradation.
PERSISTENCE AND DEGRADABILITY:	Totally degradable.
BIOACCUMULATIVE POTENTIAL:	No data (unlikely to happen due to chemical/physical properties).
ECOTOXICITY:	LC50 fish (96 H) : 16 - 37 mg/1 (different species). EC50 daphina : 2.4 - 7.7 mg/1 (different strains).
ACUTE TOXICITY TO ALGAE:	reduction of chlorophyll > 1.7 mg/1

13. DISPOSAL CONSIDERATIONS

DISPOSAL OF PRODUCT: If approved, this product can be discharged slowly into sewer systems after considerable dilution and if there are no combustibles in the system.

DISPOSABLE OF PACKAGING: Containers should be handled as instructed by the haulier/manufacturer. They probably do not require the container to be washed out inside but only hosed down on the outside.

14. TRANSPORT INFORMATION

UN No: 2014.

UK ROAD

- Hazchem code: 2P.
- Classification: Oxidising and corrosive substance.
- Packing group: II.

RID-ADR

- Class: 5.1 sub risk 8.
- Label: Oxidising and corrosive.
- Material code: 1 (b).
- Kemmler code: 58.

IMO

- Class 5.1.
- Label: Oxidising subrisk corrosive.
- IMDG page: 5151.
- Packing group: II.

MARPOL:

- Annex II: Category C.
- Cargo name: Hydrogen peroxide 8-60%.
- Annex III: Not classified.

ICAO:

- Class: 5.1 subrisk 8.
- Label: Oxidising and corrosive.
- Packing group: II.
- Passenger flight: Forbidden.
- Cargo: Forbidden.

15. REGULATORY INFORMATION

The chemicals (Hazard Information and Packaging for Supply) Regulations 1994:

EINECS No: 231-765-0

Index No: 008-003-00-9

Risk phrases: R34 Causes burns.

Safety phrases:
S3 Keep in a cool place.
S28 After contact with skin, wash immediately with plenty of water.
S36/39 Wear suitable protective clothing and eye/face protection.
S45 In case of accident or if you feel unwell, seek medical advice Immediately (show the label where possible).

Classification/symbols: C corrosive (20%<=conc. C; R34 5%<=conc<20% Xi; R36/38).

Exposure limits: 1 ppm long term exposure.
2 ppm short term exposure.

National legislation: The following are some of the regulations which should be considered when dealing with this product:
- Control of pollution (special wastes) regulations 1980.
- The chemicals (hazard information and packaging for supply) Regulations 1994.
- Control of Pollution Act 1974.
- Dangerous Substances (Notification and Marking of Sites) Regulations 1990.
- Environmental Protection Act 1990.
- Environmental Protection (Duty of Care) Regulations 1991.

16. OTHER INFORMATION

USER NOTES: This information is given in good faith and is based on information and tests believed to be reliable. The suitability of this product for any particular use is not suggested or implied. This document is not a specification and properties shown are not guaranteed.

RECOMMENDED USES: Bleaching, disinfecting, oxidising agent. Not supplied for use by the general public.

Sources of data used to compile data sheets: - Manufacturers data sheets
- National and international regulations.

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