Safety Data Sheet

According to 1907/2006/EC, article 31

1. IDENTIFICATION OF THE COMPANY / UNDERTAKING:

DuoTech Holdings Limited
Feeder Road
Bristol
BS2 0TH

Telephone:	0845 519 1112
Fax:	0845 519 1113
Emergency Telephone:	0845 519 1112
Out of hours:	07855 845 180

2. IDENTIFICATION OF SUBSTANCE:

DuoMax

General Purpose Cleaner

3. COMPOSITION AND INFORMATION ON INGREDIENTS:

Constituents:
A synergistic blend containing a core biocide, surfactants, complexing agents and alkalis.

4. HAZARDS IDENTIFICATION:

Product is not classified as dangerous according to EC Dangerous Substances Directive or Dangerous Preparations Directive.

5. FIRST AID:

General:
If you feel unwell seek medical advice (show this information or the container label where possible).

Eye:
Irrigate with flowing water for at least 15 minutes. Seek medical attention if irritation or soreness persists.

Skin:
After prolonged use, rinse affected area with water. In the unlikely event of irritation or soreness developing, seek medical advice. Launder contaminated clothing before re-use.

Ingestion:
Do not induce vomiting, unless instructed to do so by medical personnel. Rinse mouth with water and drink 1 or 2 glasses of water or milk. Seek medical attention.

Inhalation:
N/A

Note to physician:
Treat by observation and supportive measures as indicated by the patient's condition.

6. FIRE FIGHTING MEASURES:

FLASH POINT (Abel Closed Cup, BS 2100 Pt 170):
None flammable in the preparation.

AUTOIGNITION TEMPERATURE:
Not established.

FLAMMABILITY LIMITS:
Not applicable to the preparation.

THERMAL DECOMPOSITION TEMPERATURE:
Not established

HAZARDOUS COMBUSTION PRODUCTS:
During a fire, smoke may contain the original material in addition to unidentified toxic and/or irritating compounds. Hazardous combustion products may include and are not limited to: carbon monoxide, carbon dioxide and water vapour.

OTHER FLAMMABILITY INFORMATION:
None

EXTINGUISHING MEDIA:
Small Fire: Carbon dioxide, dry chemical powder, alcohol resistant foam or water fog.
Large Fire: Use alcohol resistant foam or water fog.

MEDIA TO BE AVOIDED:
Avoid use of directed water jets.

FIRE FIGHTING INSTRUCTIONS:
Keep people away. Isolate fire area and deny unnecessary entry. Smoke from fires is toxic; take precautions to protect personnel from exposure, wear positive-pressure self-contained breathing apparatus (SCBA). Take care on the use of direct water stream, which may spread fire. In the event of an adjacent fire, cool containers with water spray.

7. ACCIDENTAL RELEASE MEASURES:

PROTECT PEOPLE:
Evacuate personnel (Large spillage). Avoid prolonged contact with the liquid. Protective clothing should be worn when dealing with any very large spillages.

PROTECT THE ENVIRONMENT:
If very heavy contamination of drainage systems or watercourses is unavoidable, such as quantities of 1,000 litres or more to be flushed at one time, immediately inform appropriate authorities. Small spills may however be safely flushed away with plenty of water.

CLEAN UP:
Absorb with material such as dirt or sand. Remove contaminated material to safe location for subsequent disposal.

8. HANDLING AND STORAGE:

HANDLING:
It is advised that gloves be worn if handling the neat product for prolonged periods.

STORAGE:
Store in a cool, dry, well-ventilated area, above 0 °C. Avoid exposure to direct sunlight and sources of heat. Keep containers tightly closed when not in use.

9. EXPOSURE CONTROL/PERSONAL PROTECTION:

ENGINEERING CONTROLS:
Good general ventilation should be sufficient for most conditions.

PERSONAL PROTECTIVE EQUIPMENT:

Eye/face protection:
Goggles should be worn for prolonged exposure to avoid splashing to eyes.

Skin protection:
It is recommended to wear gloves for periods of prolonged direct exposure to prevent defatting of skin.

Respiratory protection:
Not required for normal use conditions.

EXPOSURE GUIDELINES:
No Occupational Exposure Standard (OES)/TLV) has been established for this product.

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10. PHYSICAL AND CHEMICAL PROPERTIES:

APPEARANCE:
Pink coloured liquid.

ODOUR:
Perfumed and un-perfumed.

pH:
Between 10.8 - 11.4

DENSITY (g/cm^3 at 20 °C):
Typically 1.05 -1.09

SOLUBILITY IN WATER:
Completely miscible in all proportions.

11. STABILITY AND REACTIVITY:

CHEMICAL STABILITY:
Stable under recommended storage and usage conditions.

CONDITIONS TO AVOID:
Prevent exposure to direct sunlight, heat and freezing conditions.

INCOMPATIBILITY WITH OTHER MATERIALS:
Avoid contact with oxidising agents, strong acids, aldehydes, ketones and other known incompatible chemicals

HAZARDOUS DECOMPOSITION PRODUCTS:
Will not decompose under normal use conditions.

HAZARDOUS POLYMERIZATION:
Will not occur.

12. TOXICOLOGICAL INFORMATION:

(For detailed toxicological data, write or call the address or non-emergency number shown at the top of the first page)

No significant health hazard when the product is appropriately used for the application it was designed for.

ACUTE EFFECTS
May cause mild irritation to the skin on very long prolonged contact.
Ingestion of large amounts may cause mild gastric irritation.

CHRONIC EFFECTS
Liquid may cause mild to moderate irritation and dry skin that may lead to skin dermatitis type conditions.

Data:
Blended Cationic compounds > 2000 mg/Kg (oral rat)
Wetting agents > 2000 mg/Kg (oral rat)
Other Ingredients >2000mg/Kg (oral rat)

13. ECOLOGICAL INFORMATION:

ENVIRONMENTAL FATE (MOVEMENT AND PARTITIONING):
Completely miscible in water. Non bio-accumulative.

DEGRADATION AND PERSISTENCE (ECOTOXICITY):
High concentrations in receiving waters have low toxicity to marine organisms. Detergent component is readily biodegradable according to appropriate EC legislations.

Data:
Toxicity in seawater – Naval tov. 2

14. DISPOSAL CONSIDERATIONS:
(See section 15 for regulatory information)

DISPOSAL:
Do not discharge large volumes into sewers, on the ground or into any body of water. All disposal methods must be in compliance with local regulations (Control of Pollution Act 1980)

For unused and uncontaminated product, the preferred disposal options include sending to a licensed, permitted recycler or reclaimer.

15. TRANSPORT INFORMATION:

Product is non-hazardous for transportation.
UN No: N/A
IMDG Page No: N/A
Hazard Class: N/A
Trem Card No: N/A
Packaging Group: N/A

16. REGULATORY INFORMATION:

This Safety Data Sheet is provided in compliance with the Safety Data Sheets Directive (91/155/EC). This safety data sheet is distributed solely for the purpose of the Health and Safety at Work Act 1974; included under this heading is article 10 of Directive 88/379/EEC.

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Risks:
None

Safety Phrases:
None

17. OTHER INFORMATION:

Recommended uses: Light to heavy duty cleansing and intermediate disinfections of hard surfaces, airborne contaminants and **Personal/Public hygiene.**

All components that make up this product are registered, or are not required to be listed, with:
EUROPEAN INVENTORY OF NEW AND EXISTANT CHEMICAL SUBSTANCES (EINECS).

The following definitions of terms and abbreviations used within this document are used:
CAS: Chemical Abstracts Number;
OES: Occupational Exposure Standard.
TLV: Threshold Limit Value.
TWA: Time Weighted Average.
LTEL: Long Term Exposure Limit
STEL: Short Term Exposure Limit.
HSE: Health & Safety Executive (UK)
LEV: Local Exhaust Ventilation

Regulations Considered in the development of this data sheet were:
CHIP3 (Classification of Hazards in Packages) July 2003.

Environmental Protection Act (UK).
Environmental Protection (Prescribed Processes and Substances) Regulations 1991 (UK).
Environmental Protection (Duty of Care) Regulations 2002 (UK).

Last modified: 1st August 2014

The data contained in this data sheet is based on DuoTech Holdings Limited present knowledge of the health and safety properties of the product, and is believed to be accurate and given in good faith.

The physical and chemical properties are typical values only and do not constitute the specification of the product, which will be agreed separately.

The data given here only applies when product is used for proper application(s). The product is not sold as suitable for applications other than those identified at section 16, usage as such may cause risks not mentioned in this sheet.

It is for the customer to satisfy itself on the suitability of the product for its own particular purpose. DuoTech Holdings Limited gives no warranty as to the fitness of the product for any particular purpose and any implied warranty or condition (statutory or otherwise) is excluded, except to the extent that law prevents such exclusion.