

| | |
|------------------------|-----------------------|
| Process Heading | Product Specification |
| Process Owner | R&D Dept. |
| Reference | CLE01-TBL |
| Created By | Richard Jedrocha |
| Signature | |
| Date | 05/02/2023 |

CLEANUX THIN BLEACH

Ingredients:

| Ingredients | Source | Country of Origin | Level % |
|---------------------|-----------|-------------------|----------|
| Sodium Hypochlorite | Synthetic | UK | >30 <40% |
| Sodium hydroxide | Synthetic | UK | 0.4% |

Information on Basic Physical and Chemical Properties

| | |
|----------------|----------------|
| State | Liquid |
| Colour | Yellow |
| Odour | Characteristic |
| pH | 14 |
| Freezing Point | -4 |
| Boiling Point | 105 |

RELEVANT IDENTIFIED USES OF THE SUBSTANCE OR MIXTURE AND USES ADVISED AGAINST

| | |
|-------------------------------|--------------|
| Identified uses | Disinfectant |
| HAZARDS IDENTIFICATION | |

CLASSIFICATION OF THE SUBSTANCE OR MIXTURE

| | |
|--|---|
| Classification – 1999/45/EC | EYE IRRIT. 2 H319 |
| Main Hazards | IRRITATING TO EYES |
| LABEL ELEMENTS | |
| Symbols |  |
| Signal word | WARNING |
| Hazard statement | H315 CAUSES SKIN IRRITATION H319-CAUSES SERIOUS EYE IRRITATION |
| Precautionary Statement: Prevention | P102-KEEP OUT OF REACH OF CHILDREN. P 15- RESTRICTED TO PROFESSIONAL USERS. |
| Precautionary Statement: Response | P301+P330+P331- IF SWALLOWED: RINSE MOUTH. Do NOT INDUCE VOMITING. P302+350- IF ON SKIN: GENTLY WASH WITH PLENTY OF SOAP AND WATER. P305+P351+P338- IF IN EYES: RINSE CAUTIOUSLY WITH WATER FOR SEVERAL MINUTES. REMOVE CONTACT LENSES, IF PRESENT AND EASY TO DO. CONTINUE RINSING. IF MEDICAL ADVICE IS NEEDED, HAVE PRODUCT CONTAINER OR LABEL AT HAND |

OTHER HAZARDS

| | |
|----------------------|--|
| Other hazards | Contact with acids liberates toxic gas |
|----------------------|--|

COMPOSITION/INFORMATION ON INGREDIENTS

| Name | Range | EC No | CAS No | Reach No/Submission No | Classification according to 67/548/EEC |
|----------------------------|-------|-----------|-----------|------------------------|--|
| SODIUM HYPOCHLORITE 14-15% | 1-10% | 231-668-3 | 7681-52-9 | | H315; H400 |

FIRST AID MEASURES

DESCRIPTION OF FIRST AID MEASURES

| | |
|---------------------|--|
| Inhalation | IF YOU FEEL UNWELL, SEEK MEDICAL ADVICE (SHOW THE LABEL WHERE POSSIBLE). IN CASE OF ACCIDENT BY INHALATION: REMOVE CASUALTY TO FRESH AIR AND KEEP AT REST. |
| Eye contact | RINSE IMMEDIATELY WITH PLENTY OF WATER FOR 15 MINUTES. |
| Skin Contact | RINSE IMMEDIATELY WITH PLENTY OF WATER |
| Ingestion | DO NOT INDUCE VOMITING. DRINK 1 TO 2 GLASSES OF WATER. IF SWALLOWED, RINSE MOUTH WITH WATER (ONLY IF PERSON IS CONSCIOUS) |

MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED

| | |
|---------------------|---|
| Inhalation | INHALATION MAY CAUSE NAUSEA AND VOMITING. |
| Eye contact | IRRITATING TO EYES |
| Skin Contact | IRRITATING TO SKIN |
| Ingestion | INGESTION MAY CAUSE NAUSEA AND VOMITING |

INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED

| | |
|---------------------|--|
| Inhalation | IF YOU FEEL UNWELL, SEEK MEDICAL ADVICE (SHOW LABEL WHERE POSSIBLE) REMOVE THE EFFECTED PERSON FROM THE SOURCE OF CONTAMINATION IMMEDIATELY. |
| Eye contact | IRRITATING TO EYES. BATHE THE EYE WITH RUNNING WATER FOR 15 MINUTES. REMOVE CONTACT LENSES, IF PRESENT AND EASY TO DO. |
| Skin Contact | IRRITATING TO SKIN. RINSE IMMEDIATELY WITH PLENTY OF WATER. |
| Ingestion | INGESTION MAY CAUSE NAUSEA AND VOMITING, RINSE MOUTH THOROUGHLY. DRINK 1 TO 2 GLASSES OF WATER |

GENERAL INFORMATION

| | |
|--|---|
| | AVOID CONTACT WITH EYES AND SKIN. IN CASE OF ACCIDENT OR IF YOU FEEL UNWELL SEEK MEDICAL ADVICE IMMEDIATELY (SHOW LABEL WHERE POSSIBLE) |
|--|---|

ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES

| | |
|--|--|
| | WEAR SUITABLE PROTECTIVE CLOTHING, GLOVES AND EYE/FACE PROTECTION. WEAR SUITABLE GLOVES AND EYE/FACE PROTECTION. |
|--|--|

ENVIRONMENTAL PRECAUTIONS

| | |
|--|---|
| | ADVISE LOCAL AUTHORITIES IF LARGE SPILLS CANNOT BE CONTAINED. |
|--|---|

METHODS AND MATERIAL FOR CONTAINMENT AND CLEANING UP

| | |
|--|---|
| | SMALL SPILLAGES UNDER 5 LITRES FLUSH AWAY WITH PLENTY OF WATER. LARGER SPILLAGE ABSORB WITH INERT, ABSORBENT MATERIAL. COLLECT AND PLACE IN SUITABLE WASTE DISPOSAL CONTAINERS AND SEAL SECURELY. |
|--|---|

REFERENCE TO OTHER SECTIONS

| | |
|--|--|
| | FOR PERSONAL PROTECTION, SEE SECTION 8, FOR WASTE DISPOSAL SEE SECTION 13. |
|--|--|

HANDLING AND STORAGE

PRECAUTIONS FOR SAFE HANDLING

| | |
|--|---|
| | ADOPT BEST MANUAL HANDLING CONSIDERATIONS WHEN HANDLING, CARRYING AND DISPENSING. AVOID CONTACT WITH EYES AND SKIN. KEEP ONLY IN THE ORIGINAL CONTAINER. KEEP OUT OF REACH OF CHILDREN. |
|--|---|

CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES

| | |
|--|---|
| | MAY RELEASE DANGEROUS GASES (CHLORINE) DO NOT MIX WITH ANY OTHER PRODUCTS. KEEP ONLY IN THE ORIGINAL CONTAINER. |
|--|---|


SPECIFIC END USE(S)

| | |
|--|---|
| | THE IDENTIFIED USES FOR THIS PRODUCT ARE DETAILED IN SECTION 1.2. |
|--|---|

EXPOSURE LIMIT VALUES

| | | |
|-----------------------------------|------------------------------|------------------------|
| Sodium Hypochlorite 14-15% | WEL 8HR LIMIT PPM: | WEL 8-HR LIMIT MG/M3: |
| | WEL 15 MIN LIMIT PPM: 2MG/M3 | WEL 15 MIN LIMIT MG/M3 |

EXPOSURE CONTROLS

| | |
|---|--|
| |  |
| Appropriate engineering controls | ENSURE ADEQUATE VENTILATION OF THE WORKING AREA |
| Individual protection measures | AVOID CONTACT WITH EYES AND SKIN. WEAR SUITABLE GLOVES AND EYE FACE PROTECTION. |
| Eye/face protection | SAFETY GLASSES |
| Skin protection | RUBBER GLOVES |
| Hand protection | WEAR SUITABLE GLOVES |
| Skin protection – other | AVOID CONTACT WITH EYES AND SKIN. WEAR SUITABLE GLOVES AND EYE FACE PROTECTION. |
| Respiratory protection | NOT NORMALLY REQUIRED |
| Thermal hazards | CHLORINE |
| Environmental exposure | NOT NORMALLY REQUIRED |

| | |
|---------------------------------------|------------------------|
| controls | |
| Occupational exposure controls | NOT NORMALLY REQUIRED. |

STABILITY AND REACTIVITY

| | |
|-------------------|--|
| REACTIVITY | |
| | ACIDS, ALKALI METALS, AMMONIA, COPPER AND ITS ALLOYS, ORGANIC MATERIALS, STRONG OXIDISING AGENTS |

| | |
|---------------------------|--|
| CHEMICAL STABILITY | |
| | DO NOT ALLOW TO FREEZE. STABLE UNDER NORMAL CONDITIONS |

| | |
|---|---|
| POSSIBILITY OF HAZARDOUS REACTIONS | |
| | CONTACT WITH ACIDS LIBERATES TOXIC GAS. OXIDISING AGENT |

| | |
|----------------------------|--|
| CONDITIONS TO AVOID | |
| | HEAT WILL INCREASE PRESSURE IN SEALED CONTAINER. |

| | |
|-------------------------------|---|
| INCOMPATIBLE MATERIALS | |
| | ACIDS, ALKALI METALS. CONTACT WITH ACIDS LIBERATES TOXIC GAS (CHLORINE) |

| | |
|---|----------|
| HAZARDOUS DECOMPOSITION PRODUCTS | |
| | CHLORINE |

TOXICOLOGICAL INFORMATION

| | |
|---|---|
| INFORMATION ON TOXICOLOGICAL EFFECTS | |
| Acute toxicity | NO DATA AVAILABLE |
| Skin corrosion/irritation | CAUSE IRRITATION TO SKIN |
| Serious eye damage/irritation | CAUSE IRRITATION TO EYES. |
| Respiratory or skin sensitisation | MAY CAUSE SENSITISATION BY INHALATION AND SKIN CONTACT. |
| Germ cell mutagenicity | NO DATA IS AVAILABLE ON THIS PRODUCT. |
| Carcinogenicity | NO DATA IS AVAILABLE ON THIS PRODUCT. |
| Reproductive toxicity | NO DATA IS AVAILABLE ON THIS PRODUCT. |
| STOT-single exposure | NO DATA IS AVAILABLE ON THIS PRODUCT. |
| STOT-repeated exposure | NO DATA IS AVAILABLE ON THIS PRODUCT. |
| Toxicological Information | NO DATA AVAILABLE |

DISPOSAL CONSIDERATIONS

WASTE TREATMENT METHODS

| | |
|--|---|
| | DISCHARGE USED SOLUTIONS TO DRAIN. SMALL AMOUNTS (LESS THAN 5 LITRES) OF UNWANTED PRODUCT MAY BE FLUSHED WITH WATER TO SEWER. LARGE VOLUMES MUST BE SENT FOR DISPOSAL AS SPECIAL WASTE. RINSE OUT EMPTY CONTAINER WITH WATER AND CONSIGN TO NORMAL WASTE. |
|--|---|

GENERAL INFORMATION

| | |
|--|---|
| | THIS PRODUCT IS CONSIDERED AS NON HAZARDOUS |
|--|---|

DISPOSAL METHODS

| | |
|--|--|
| | LOCAL AND NATIONAL REGULATIONS. THIS MATERIAL AND ITS CONTAINER MUST BE DISPOSED OF IN A SAFE WAY. |
|--|--|

DISPOSAL OF PACKAGING

| | |
|--|---|
| | EMPTY CONTAINERS CAN BE CLEANED WITH WATER. EMPTY CONTAINERS CAN BE SENT FOR DISPOSAL OR RECYCLING. |
|--|---|

TRANSPORT INFORMATION

| | |
|----------------|--|
| ADR/RID | THE PRODUCT IS NOT CLASSIFIED AS DANGEROUS FOR CARRIAGE. |
| IMDG | THE PRODUCT IS NOT CLASSIFIED AS DANGEROUS FOR CARRIAGE. |
| IATA | THE PRODUCT IS NOT CLASSIFIED AS DANGEROUS FOR CARRIAGE. |

REGULATORY INFORMATION

SAFETY, HEALTH AND ENVIRONMENTAL REGULATIONS/LEGISLATION SPECIFIC FOR THE SUBSTANCE OR MIXTURE

| | |
|--------------------|---|
| Regulations | COMMISSION REGULATION (EU) No 453/2010 OF 20 MAY 2010 AMENDING REGULATION (EC) No 1907/2006 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL ON THE REGISTRATION, EVALUATION, AUTHORISATION AND RESTRICTION OF CHEMICALS (REACH), ESTABLISHING A EUROPEAN CHEMICAL AGENCY, AMENDING DIRECTIVE 1999/45/EC AND REPEALING COUNCIL REGULATION (EEC) No 793/93 AND COMMISSION REGULATION (EC) No 1488/94 AS WELL AS COUNCIL DIRECTIVE 76/769/EEC AND COMMISSION DIRECTIVE 91/155/EEC, 93/67/EEC, 93/105EC AND 2000/21/EC. REGULATION (EC) No 1907/2006 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL OF 18 DECEMBER 2006 CONCERNING THE REGISTRATION, EVALUATION, AUTHORISATION AND RESTRICTION OF CHEMICALS (REACH) ESTABLISHING A EUROPEAN CHEMICAL AGENCY, AMENDING DIRECTIVE 1999/45/EC AND REPEALING COUNCIL REGULATION (EEC) No 793/93 AND COMMISSION REGULATION (EC) No 1488/94 AS WELL AS COUNCIL DIRECTIVE 76/769/EEC AND COMMISSION DIRECTIVES 91/155/EEC, 93/67/EEC AND 2000/21/EC |
|--------------------|---|