MATERIAL SAFETY DATA SHEET
Sodium Hypochlorite 15%

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

1.0 Product identifier
1.1 Version 5: December 2024
Product name: Sodium Hypochlorite 15%
Product code: LB14
1.2. Relevant identified uses of the substance or mixture and uses advised against
1.3. Details of the supplier of the safety data sheet
Company name: Worcestershire Chemicals

Section 2: Hazards identification

2.1. Classification of the substance or mixture
Classification under CHIP: -: R31; C: R34; N: R50
Classification under CLP: Skin Corr. 1B: H314; Aquatic Acute 1: H400; -: EUH031
Most important adverse effects: Contact with acids liberates toxic gas. Causes burns. Very toxic to aquatic organisms.
2.2. Label elements
Label elements under CLP:
Hazard statements: EUH031: Contact with acids liberates toxic gas.
H314: Causes severe skin burns and eye damage.
H400: Very toxic to aquatic life.

Signal words: Danger
Hazard pictograms: GHS05: Corrosion
GHS09: Environmental

Precautionary statements: P264: Wash hands thoroughly after handling.
P280: Wear protective gloves/protective clothing/eye protection/face protection.
P273: Avoid release to the environment.
P305+
P273: Avoid release to the environment.
P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P391: Collect spillage.
Label elements under CHIP:
Hazard symbols: Dangerous for the environment.
Corrosive.

Risk phrases: R31: Contact with acids liberates toxic gas.
R34: Causes burns.
R50: Very toxic to aquatic organisms.
Safety phrases: S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S36/37/39: Wear suitable protective clothing, gloves and eye / face protection.
S45: In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).
S61: Avoid release to the environment. Refer to special instructions / safety data sheets.
2.3. Other hazards
PBT: This product is not identified as a PBT/vPvB substance.

Section 3: Composition/information on ingredients

3.2. Mixtures
Hazardous ingredients:
SODIUM HYPOCHLORITE SOLUTION CL ACTIVE
EINECS CAS CHIP Classification CLP Classification Percent
231-668-3 7681-52-9 -: R31; C: R34; N: R50 Skin Corr. 1B: H314; Aquatic Acute 1: H400; -: EUH031
10-30%

Section 4: First aid measures

4.1. Description of first aid measures
Skin contact: Remove all contaminated clothes and footwear immediately unless stuck to skin. Wash immediately with plenty of soap and water.
Eye contact: Bathe the eye with running water for 15 minutes. Consult a doctor.
Ingestion: Wash out mouth with water. Consult a doctor.
Inhalation: Remove casualty from exposure ensuring one's own safety whilst doing so. Consult a doctor.

4.2. Most important symptoms and effects, both acute and delayed
Skin contact: There may be irritation and redness at the site of contact.
Eye contact: There may be irritation and redness. The eyes may water profusely.
Ingestion: There may be soreness and redness of the mouth and throat.
Inhalation: There may be irritation of the throat with a feeling of tightness in the chest. Exposure may cause coughing or wheezing.
Delayed / immediate effects: Immediate effects can be expected after short-term exposure.
4.3. Indication of any immediate medical attention and special treatment needed
Immediate / special treatment: Eye bathing equipment should be available on the premises.

Section 5: Fire-fighting measures

5.1. Extinguishing media
Extinguishing media: Suitable extinguishing media for the surrounding fire should be used. Use water spray to cool containers.
5.2. Special hazards arising from the substance or mixture
5.3. Advice for fire-fighters
Advice for fire-fighters: Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.

Section 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures
Personal precautions: Refer to section 8 of SDS for personal protection details. If outside do not approach from downwind. If outside keep bystanders upwind and away from danger point. Mark out the contaminated area with signs and prevent access to unauthorised personnel. Turn leaking containers leak-side up to prevent the escape of liquid.
6.2. Environmental precautions
Environmental precautions: Do not discharge into drains or rivers. Contain the spillage using bunding.
6.3. Methods and material for containment and cleaning up
Clean-up procedures: Absorb into dry earth or sand. Transfer to a closable, labelled salvage container for disposal by an appropriate method.
6.4. Reference to other sections: Refer to section 8 of SDS.

Section 7: Handling and storage
7.1. Precautions for safe handling
Handling requirements: Avoid direct contact with the substance. Ensure there is sufficient ventilation of the area.
Do not handle in a confined space. Avoid the formation or spread of mists in the air.
7.2. Conditions for safe storage, including any incompatibilities
Storage conditions: Store in cool, well-ventilated area. Keep container tightly closed. The floor of the storage room must be impermeable to prevent the escape of liquids.
7.3. Specific end use(s)
Specific end use(s): No data available.

Section 8: Exposure controls/personal protection

8.1. Control parameters

Workplace exposure limits: No data available.

DNEL/PNEC Values
DNEL / PNEC No data available.
8.2. Exposure controls
Engineering measures: Ensure there is sufficient ventilation of the area. The floor of the storage room must be impermeable to prevent the escape of liquids.
Respiratory protection: Self-contained breathing apparatus must be available in case of emergency.
Hand protection: Protective gloves.
Eye protection: Safety glasses. Ensure eye bath is to hand.
Skin protection: Protective clothing.

Section 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties
State: Liquid
Colour: Yellow
Odour: Characteristic odour
Solubility in water: Miscible in all proportions
Viscosity: Non-viscous
Boiling point/range °C: >35 **Flash point °C:** >93
9.2. Other information
Other information: No data available.

Section 10: Stability and reactivity

10.1. Reactivity
Reactivity: Stable under recommended transport or storage conditions.
10.2. Chemical stability
Chemical stability: Stable under normal conditions.
10.3. Possibility of hazardous reactions
Hazardous reactions: Hazardous reactions will not occur under normal transport or storage conditions.
Decomposition may occur on exposure to conditions or materials listed below.
10.4. Conditions to avoid
Conditions to avoid: Heat.
10.5. Incompatible materials
Materials to avoid: Acids.
10.6. Hazardous decomposition products
Haz. decomp. products: In combustion emits toxic fumes.

Section 11: Toxicological information

11.1. Information on toxicological effects
Hazardous ingredients:
SODIUM HYPOCHLORITE SOLUTION...100% CL ACTIVE
ORL MUS LD50 5800 mg/kg
Relevant effects for mixture:
Effect Route Basis
Corrosivity OPT INH DRM Hazardous: calculated
Symptoms / routes of exposure
Skin contact: There may be irritation and redness at the site of contact.
Eye contact: There may be irritation and redness. The eyes may water profusely.

Ingestion: There may be soreness and redness of the mouth and throat.
Inhalation: There may be irritation of the throat with a feeling of tightness in the chest. Exposure may cause coughing or wheezing.
Delayed / immediate effects: Immediate effects can be expected after short-term exposure.

Section 12: Ecological information

12.1. Toxicity
Ecotoxicity values: No data available.
12.2. Persistence and degradability
Persistence and degradability: Not biodegradable.
12.3. Bioaccumulative potential
Bioaccumulative potential: Bioaccumulation potential.
12.4. Mobility in soil
Mobility: Readily absorbed into soil.
12.5. Results of PBT and vPvB assessment
PBT identification: This product is not identified as a PBT/vPvB substance.
12.6. Other adverse effects
Other adverse effects: Toxic to aquatic organisms. Toxic to soil organisms.

Section 13: Disposal considerations

13.1. Waste treatment methods
Disposal operations: Transfer to a suitable container and arrange for collection by specialised disposal company.
NB: The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

Section 14: Transport information

14.1. UN number
UN number: UN1791
14.2. UN proper shipping name
Shipping name: HYPOCHLORITE SOLUTION
14.3. Transport hazard class(es)
Transport class: 8
14.4. Packing group
Packing group: II
14.5. Environmental hazards
Environmentally hazardous: Yes **Marine pollutant:** No
14.6. Special precautions for user
Special precautions: No special precautions.
Tunnel code: E
Transport category: 2

Section 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture
15.2. Chemical Safety Assessment

Section 16: Other information
Other information
Other information: This safety data sheet is prepared in accordance with Commission Regulation (EU) No
453/2010.
* Indicates text in the SDS which has changed since the last revision.
Phrases used in s.2 and s.3: EUH031: Contact with acids liberates toxic gas.
H314: Causes severe skin burns and eye damage.
H400: Very toxic to aquatic life.
R31: Contact with acids liberates toxic gas.
R34: Causes burns.
R50: Very toxic to aquatic organisms.
Legend to abbreviations: PNEC = predicted no effect concentration
DNEL = derived no effect level
LD50 = median lethal dose
LC50 = median lethal concentration
EC50 = median effective concentration
IC50 = median inhibitory concentration
dw = dry weight
bw = body weight
cc = closed cup
oc = open cup
MUS = mouse
GPG = guinea pig
RBT = rabbit
HAM = hamster
HMN = human
MAM = mammal
PGN = pigeon
IVN = intravenous
SCU = subcutaneous
SKN = skin
DRM = dermal
OCC = ocular/corneal
OPT = optical
INH = inhalation
PCP = phycico-chemical properties

Legal disclaimer: The above information is believed to be correct but does not purport to be all inclusive
and shall be used only as a guide. This company shall not be held liable for any
damage resulting from handling or from contact with the above product.