

MATERIAL SAFETY DATA SHEET INFORMATION

1. IDENTIFICATION OF THE PREPARATION AND THE COMPANY

SUBSTANCE NAME: **BLEACH ECONOMY**

SYNONYMS, TRADE NAMES: **BD1200 / 182180521 ACTIVE BLEACH**

COMPANY IDENTIFICATION:

**Lea Services (West Midlands) Limited
Canalside Works
Canalside Industrial Estate
Wedgbury Way
Brettell Lane
Brierley Hill
West Midlands DY5 3JU
United Kingdom**

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2. COMPOSITION/INFORMATION ON INGREDIENTS:

INGREDIENT NAME	CONTENTS	HEALTH RISK (class) (R.No.)
Water	95%	None
Sodium Hypochlorite	5%	R31-36/38

3. HAZARDS IDENTIFICATION:

Contact with acids liberates toxic fumes.
Irritating to eyes and skin.

4. FIRST AID MEASURES:

FIRST AID: In the event of:

Swallowing: Discourage vomiting. Give plenty of milk or water to drink. Obtain immediate medical attention.

Inhalation of spray vapours: Remove affected person to fresh air and seek medical advice in the case of prolonged effect.

Eye Contact: Wash thoroughly with clean water and seek immediate medical attention.

Skin Contact: Wash thoroughly with clean water. Seek medical attention for persistent irritation.

Splashes on clothing: Remove contaminated clothing. Wash affected area of skin as above.

5. FIRE FIGHTING MEASURES:

NON-FLAMMABLE.

Fire may liberate oxygen and chlorine gas.

S.C.B.A. and full body protective clothing required.

6. ACCIDENTAL RELEASE MEASURES:

SPILL CLEANUP METHODS:

Small spillage may be diluted to waste with water.

For spillage's of greater than 10 litres use absorbent, non-combustible material then place in suitable containers. Containers to be collected by waste disposal contractors.

7. HANDLING & STORAGE:

USAGE PRECAUTIONS:

Avoid direct and prolonged contact with skin.

Remove any contaminated clothing that may come into contact with skin.

Avoid extremes of temperature. Keep out of direct sunlight.

Keep containers sealed until required.

Store away from acids.

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION:

INGREDIENT NAME	STD	LT EXP (8 hrs)	ST EXP (10 min)
Water	No standard		
Sodium Hypo chlorite	No standard		
NOTE: In case of chlorine gas emission: 1ppm	OES		0.5ppm
Wear PVC Gloves, goggles and protective clothing.			

9. PHYSICAL AND CHEMICAL PROPERTIES:

Appearance:	Clear - light straw liquid
Odour	Bleach
Solubility	Soluble in water
Solubility Value	N/A
Specific Gravity	1.11 +/- 0.01 g/ml nominal
Ph	> 12.0
Flash point	N/A

10. STABILITY AND REACTIVITY:

Reacts with acid to liberate chlorine gas.

Reacts violently with Ammonia and Oxidising Agents.

11. TOXICOLOGICAL INFORMATION:

TOXIC DOSE (LC50) N/A

TOXIC DOSE (LD50) 7mg/kg - rat

12. ECOLOGICAL INFORMATION:

Slightly toxic to living resources LC5096hr 10-100mg/L (4)

Ecotoxicity:- 1ppm available chlorine toxic to all fish, 0.4ppm available chlorine toxic to game and fish.

No evidence of bioaccumulation or tainting of seafood(4).

13. DISPOSAL CONSIDERATIONS

DISPOSAL METHODS:

Treat as for spillage's - see Accidental Release Measures.

It is recommended to apply an antichlor or neutralising agent such as hydrogen peroxide or sodium bisulphite. Transfer slurry to suitable containers and flush surplus to drain with plenty of water. Dispose of any hazardous waste in accordance with waste disposal or water authority regulations.

14. TRANSPORT INFORMATION:

UN No: 1791

ADR CLASS No:

AIR TRANSPORT CLASS No:

AIR SUB CLASS:

AIR PACK GR.:

HASCHEM CODE:

SEA TRANSPORT CLASS No:

SEA PACK GR.:

RAIL TRANSPORT CLASS No:

CEFIC TEC (R) No:

UK LABEL FOR CONVEYANCE: Xi

15. REGULATORY INFORMATION:

LABEL FOR SUPPLY:

RISK PHRASES;

R-31 Contact with acids liberates toxic gas.

R-31/38 Irritating to skin and eyes.

SAFETY PHRASES:

S-14 Keep away from acids.

S-24/25 Avoid contact with skin and eyes.

S-26 In case of contact with eyes rinse immediately with plenty of water and seek medical advice.

S-2 Keep out of reach of children.

16. OTHER INFORMATION:

Product designation: Bleach

LAST UPDATED : SEPTEMBER 2012