1. PRODUCTS AND COMPANY SPECIFICATION

Product Name

Sodium Hypochlorite ACTEF

Product Use

Bleach for industrial, institutional, swimming pool, and food processing plant use

Supplier

Al Saidain Chemical Treatment Of Environment Factory (ACTEF)

P.O Box 23456 3rd Industrial City, Jeddah, KSA
Phone No. +966 (12) 6790317

2. COMPOSITION / INFORMATION ON INGREDIENTS

Hazardous Ingredient	CAS No.	%
Sodium Hypochlorite	7681-52-9	7 - 13

3. HAZARD IDENTIFICATION

- Skin corrosion/irritation
- Serious eye damage/eye irritation

4. FIRST AID MEASURES

Eyes :. Immediately rinse eyes with plenty of water for at least 15 minutes. Obtain medical attention urgently.

Skin : Take off contaminated clothing. Rinse skin immediately with plenty of water for 15 – 20 minutes. Seek medical advice.

Ingestion : Have person sip a glassful of water if able to swallow. Do not induce vomiting. Seek immediate treatment.

Inhalation : Move to fresh air. If irritation persists or there is any trouble breathing, seek medical attention.

5. FIRE FIGHTING MEASURES

Extinguishing Media : Foam, dry powder and carbon dioxide.

Protective Equipment for Fire Fighting : Fire fighters require the necessary personal protective equipment for chemical fires.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions: Avoid contacts with eyes, skins and clothing. Ensure adequate ventilation. Breathing protection should be worn in enclosed and/or poorly ventilated areas.

Environmental Precautions: Prevent large spills from entering storm drains or waterways.

Spillages : Stop source of spill if it can be done without risk. Absorb with inert absorbent materials and place in suitable, covered and labelled containers for proper disposal. Residuals may be washed down to sanitary sewer.

7. HANDLING AND STORAGE

Handling : Handle in accordance with good industrial hygiene and safety practice.

Storage : Store in a cool, dry and ventilated area. Keep container closed.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Occupational Exposure Standards : Not established

Eye Protection: Use appropriate eye protection when handling in large quantities

Hand Protection: Wear impermeable gloves for prolonged exposure

Skin and Body Protection: No special requirements under normal conditions

Respiratory Protection: Not normally required under normal use conditions. Wear self-contained breathing apparatus during a spill or clean-up operations.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Clear liquid; free from any suspended matter.
pH	13 - 14
Specific Gravity @ 28°C	1.21 - 1.23
Active Matter (as % NaOCl)	12 - 14
Color	Light yellow
Odor	Chlorine
Flash Point	None
Flammability	Not applicable
Auto-ignition Temperature	Not applicable
Explosive Properties	Not applicable
Water Solubility	Soluble in water

10. STABILITY AND REACTIVITY

Stability : Expected to degrade in time. Should be used immediately. Stable with acceptable chemical degradation within 6 months when stored under recommended conditions. **The high concentration ensures that the bleach when received will be within 10 - 12 % concentration.**

Conditions to Avoid : High temperature above 30°C

Materials to Avoid : Toilet bowl cleaners or other cleaners with ammonia

Hazardous Decomposition Products : None

11. TOXICOLOGICAL INFORMATION

Not available

12. ECOLOGICAL INFORMATION

Persistence / Degradability : Ultimately biodegradable

Bio-accumulation : Product is not expected to bioaccumulation

Environmental Toxicity : Toxic to fish and other aquatic organisms

13. DISPOSAL

Product Disposal : Dispose of in accordance with all applicable local and national regulations.

Container Disposal : Where possible, containers should be rinsed with clean water and dispose in line with local regulations

14. TRANSPORT INFORMATION

Land, Air, Sea:

Class:	8
UN Number:	1791
Packing Group:	III

15. REGULATORY INFORMATION

Risk Phrase(s) :	R 20/21/22 Harmful by inhalation, in contact with skin, and if swallowed
Safety Phrase(s)	S 2 Keep out of reach of children

16. OTHER INFORMATION

HMIS RATING

Health	3	Flammability	0	Reactivity	0

This material safety data sheet is additional to the technical data sheet but does not replace it. The information given herein, to the best of our knowledge, is correct and given in good faith. It relates to the product in the state in which it is delivered. This product is for the uses specified and should only be used for those purposes. Any other use may involve risks. The user will take sole responsibility for the precautions relating to the use of the product. It is intended to describe our products from the point of view of safety requirements and is not intended to guarantee any particular properties.

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