	AL Saidain Chemical Treatment of Environment Factory - ACTEF	
ACTEF	TECHNICAL DATA SHEET	
		Issue Date: 27/12/2022

PRODUCT

ACTEF 50

INDUSTRIAL PRODUCT

PRODUCT DESCRIPTION

ACTEF 50 is designed to dissolve strong fats, proteins, oils and polysaccharide compounds specially starch

PHYSICAL PROPERTIES

Appearance:	Clear, homogeneous liquid, free from any impurities and suspended matter
Color:	Colorless
Odor:	Odorless
PH:	13 - 14
Specific Gravity:	1.51 – 1.52
Active Material:	48 ~ 50% Caustic Soda
Viscosity:	Not applicable
Foam:	Not applicable
Emulsification:	Not applicable
Flash Point:	None
Boiling Point:	140°C (284°F).
Solubility in water:	Completely miscible with water.
Stability:	Stable for 5 years from production date

INGREDIENTS

Water and Caustic Soda

APPLICATIONS

- Use full strength for blockage at toilet, bathrooms and kitchen drain outlets. Pour sufficient liquid on drain-mouth and let it stay without water flow for a few hours.
- Use drain-plunger & apply air pressure, if necessary.
- Use in the largest quantity by the organic and inorganic chemical industries. Large consumers are the paper and cellulose industry, synthetic fibers and viscose, aluminum industry. Additional significant consumers are soap and detergent production, glass and food industries. It is used for water and wastewater treatment and has numerous other uses in addition to the above

STORAGE

Store the original container in cool and dry place away from food & feeding stuff.

PACKING

30 L, 1 Cubic Meter and road Tanker

PRECAUTIONS

- Keep away from the reach of children
- Strong alkali liquid which react exothermically when mixed with water

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جوال : ٠٥٠٥٦٢٩٨٨٦ / ٠٥٤٥٦٠٥٦٠٧

1. PRODUCTS AND COMPANY SPECIFICATION

Product Name

ACTEF CAUSTIC SODA 50%

Product Use

Descaling agent

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

Chemical Name	CAS No.	%
Caustic Soda	1310-73-2	48 – 50

3. HAZARD IDENTIFICATION

- Poison
- Corrosive

4. FIRST AID MEASURES

Eyes: Immediately flush eyes with plenty of water for at least 15 minutes, lifting lower and upper eyelids occasionally. Get medical attention immediately.

Skin: Immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Call a physician, immediately. Wash clothing before reuse

Ingestion: DO NOT INDUCE VOMITING! Give large quantities of water or milk if available. Never give anything by mouth to an unconscious person. Get medical attention immediately.

Inhalation: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Call a physician

5. FIRE FIGHTING MEASURES

Extinguishing Media: Foam, dry powder and carbon dioxide. Do not use direct water-jet on burning material

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

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions: Keep unnecessary personnel away.

Environmental Precautions: Prevent large spills from entering sewers 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.

7. HANDLING AND STORAGE

Handling : Avoid skin and eye contact and breathing in vapour, mists and aerosols

Storage: Store in a cool, dry and ventilated area. Keep away from direct sunlight. Tightly close original container

Fire : Not applicable

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: Full protective suit

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 at 40^{0}C
pH	13 – 14
Specific Gravity @ 28°C	1.51 - 1.52
Viscosity @ 28°C	49% min.
Color	Colorless at 40^{0}C
Odor	Not applicable
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 : Stable
Conditions to Avoid : Heat, moisture, incompatibles
Materials to Avoid : Acids and organic halogen
Hazardous Decomposition Products : None

11. TOXICOLOGICAL INFORMATION

Not available

12. ECOLOGICAL INFORMATION

Persistence / Degradability : 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:	UN1824
Packing Group:	II

15. REGULATORY INFORMATION

Risk Phrase(s) :	R34 Causes burns
Safety Phrase(s)	S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice S45 In case of accident or if you feel unwell, seek medical advice immediately

16. OTHER INFORMATION

HMIS RATING

Health	3	Flammability		Reactivity	

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.