

SPECIAL #11 LBW-LF

NON-FOAMING ALKALINE CLEANER

SPECIAL #11 LBW-LF is a highly alkaline liquid specially designed for difficult cleaning tasks such as smoke houses, bottles, ovens, deep fryers, heating pots, meat moulds, milk pasteurizers, C.I.P. systems, etc.

FEATURES AND BENEFITS

- Highly caustic alkali
- Low foaming
- Non-combustible
- Viscous liquid
- Sodium hypochlorite compatible
- Completely water soluble
- Heavy duty cleaner
- Effective in hard water
- Rapidly penetrates deposits



DIRECTION FOR USE

Natural or liquid smoke smokehouses

Soils to be removed	Creosote from natural smoke or solids from liquid smoke dried onto surfaces.
Use procedure	When used in an automatic cleaning system, fill tank with hot solution of SPECIAL #11 LBW-LF and let circulate in the system's spray jets. A foaming solution may be necessary in the smokehouse followed by a high-pressure rinse. It is therefore recommended to add 1% of a high foaming product to the SPECIAL #11 LBW-LF solution.
Concentration	0.1% to 20% (1 ml to 200 ml/l) according to degree of difficulty.
Use temperature	10°C to 70°C (50 to 158°F).
Dwell time/Operation time	5 to 25 minutes.
Mechanical action	High pressure water or mechanical action.
Rinsing	Rinse with potable water (hot if possible).
Reuse/recycling	No.

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DIRECTION FOR USE

Cleaning of returnable glass bottles

Soils to be removed	Various.
Use procedure	Multi-stage automatic cleaning system.
Concentration	0.1% to 4% (1 ml to 40 ml/l) according to type of machine and amount of sections.
Use temperature	According to machine's manufacturer.
Dwell time/Operation time	According to machine's speed and configuration.
Rinsing	Rinse with potable water (hot if possible).
Reuse/recycling	Yes.

DIRECTION FOR USE

Cleaning of meat moulds or small parts by immersion

Soils to be removed	Dried or baked-on meat deposits.
Use procedure	Prepare a solution of SPECIAL #11 LBW-LF and raise temperature as desired. Let moulds soak in the solution and agitate if possible. Remove moulds and rinse thoroughly before reuse.
Concentration	Between 0.1% to 20% (1 ml to 200 ml) according to degree of difficulty.
Use temperature	Between 60°C and 80°C (140 to 176°F).
Dwell time/Operation time	5 to 25 minutes.
Mechanical action	Best results will be obtained by agitating immersion solution however, it is not recommended to agitate by air injection. This will contribute to form air pockets which may prevent good cleaning and cause a high level of foam build-up
Rinsing	Rinse with potable water (hot if possible).
Reuse/recycling	Yes.

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DIRECTION FOR USE

Boilouts or heat exchangers (HTST product side)

In the case of dairy plants: include in the cleaning systems other equipment such as separators and homogenizers

Soils to be removed Stubborn or baked on food deposits

Use procedure Prepare a hot solution of **SPECIAL #11 LBW-LF** in potable water. Allow hot solution to circulate in closed circuit pipelines. When cleaning cycle is finished, remove solution and thoroughly rinse with hot water until all traces of product are removed. Acid cleaning recommended after alkaline cycle.

Concentration 0.1% to 20% (1 ml to 200 ml/l) according to degree of difficulty.

Use temperature 60°C to 80°C (140 to 176°F).

Dwell time/Operation time 15 to 60 minutes.

Rinsing Rinse with potable water (hot if possible).

Reuse/recycling Possible when soil accumulation is extremely low. Otherwise, prepare a new solution after each cycle.

DIRECTION FOR USE

C.I.P. Systems

Soils to be removed Various.

Technique Clean in place (C.I.P.).

Concentration A dilution rate of 1% to 5% is recommended, according to the system to be cleaned.

Temperature 60°C to 80°C (140 to 180°F).

Dwell time/Operation time 10 to 30 minutes.

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PHYSICAL PROPERTIES

Appearance	Colorless, viscous liquid
Odour	Odorless
Specific gravity @ 20°C	1.49
Viscosity	Not available
pH	> 13.5
Flash point (TCC)	None
Water solubility	Complete
Auto ignition temperature	None
Chlorine	None
Boiling point	100°C
Freezing point	Not available
Foaming tendency	Non-foaming
Concentration monitoring techniques	Electrical conductivity, titration
Rinsing	Good

INCOMPATIBILITY

Acids, aluminum, zinc

WAREHOUSING PRECAUTIONS

Keep containers tightly closed in a dry, cool and well-ventilated place

AVAILABLE SIZES

		
20L	205L	1000L



IMPORTANT

Before using **SPECIAL #11 LBW-LF**, always be sure to read and follow precautions and directions for use appearing on the product's container label, and on the safety data sheet (S.D.S).

FIRST AID MEASURES

Eye contact

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/physician.

Skin contact

Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. Wash contaminated clothing before reuse.

Inhalation

Remove victim to fresh air and keep at rest in a position comfortable for breathing. Immediately call a POISON CENTER or doctor/physician.

Ingestion

Do not induce vomiting. Drink 1 or 2 glasses of water. Call a physician or Poison Control Centre immediately. Never give anything by mouth to an unconscious person.

PERSONAL PROTECTION



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