

TECHNICAL DATASHEET

EASY DET PLUS

Food and beverage / Cleaning of plants and surfaces

Highly alkaline liquid detergent with controlled foam.

Features

EASY DET PLUS is an highly alkaline liquid detergent with controlled foam, enriched with dispersants, sequestrants, and wetting agents that enhance the caustic cleaning action. The synergy of its components allows for washing performance that cannot be achieved with the sole use of caustic soda, even in the presence of significant amounts of organic dirt (including tartar) and with water of high hardness.

Application fields

Immersion treatments, C.I.P. (clean-in-place), spraying in the wine and beer industry, beverage industry, dairy industry, and the food industry in general.

How to use

Wine industry

Application	Concentration, % w/w
Removal of tartar from: tanks, refrigeration systems, heat exchangers, stainless steel backflush filters, presses and lees filters, desulfurizers and concentrators, pumps, and pipelines. Application: recirculation + soaking. Effective at room temperature. Optimal temperature 50°C.	2.5 – 4.5
Winemaking lines, walls, and surfaces generally dirty with organic residues. Application: pressure + brushing. Effective at room temperature.	1.0 – 2.0
Polymeric membrane filters. Application: recirculation + soaking. Effective at room temperature. Temperature up to 50°C*.	0.1 – 0.4
Ceramic membrane filters. Application: recirculation + soaking. Effective at room temperature. Temperature up to 60°C*.	0.3 – 1.5
Bottle washing and bottling lines.	1.0 – 2.0

**Preliminary check compatibility with the membrane manufacturer. If necessary, request support from our technical service.*

Beer industry

Application	Concentration, % w/w
Tank cleaning, centrifuges, stainless steel pipelines, bottling lines. Effective at room temperature. Optimal temperature 50°C.	1.0 – 2.0
Cleaning of cooling systems, plate heat exchangers and pasteurizers, stainless steel backflush filters, lees filters. Effective at room temperature. Optimal temperature 50°C.	2.5 – 4.5

Beverage industry

Application	Concentration, % w/w
Bottle washing and bottling lines. Effective at room temperature. Optimal temperature 50°C.	1.0 – 2.0

Dairy industry

Application	Concentration, % w/w
Milking robots. Application: according to the procedure provided by the robot. Apply at temperatures between 70 and 90°C.	0.25 – 0.45
Cleaning of coolers and tank trucks. Application: recirculation + soaking. Effective at room temperature. Optimal temperature 50°C.	0.5 – 1.5
Pasteurizers, ripening tanks, tanks and pipelines, packaging machines, bottles. Application: recirculation + soaking. Effective at room temperature. Optimal temperature 50°C.	1.0 – 2.0
Sterilizers, cloths, cleaners, cream separators. Application: recirculation + soaking. Effective at room temperature. Optimal temperature 50°C.	2.5 – 4.5
Bottle washing and bottling lines. Application: recirculation + soaking. Effective at room temperature. Optimal temperature 50°C.	1.0 – 2.0

Food industry in general

Application	Concentration, % w/w
Industry: Trolleys, scales, stainless steel molds in the meat processing sector. Application: recirculation + soaking. Effective at room temperature. Optimal temperature 50-60°C.	1.0 – 2.0

Physico-chemical features

Form: liquid
pH: 13 – 14
density: 1,40 – 1,45 g/cm³ @25 °C

Control

Take 50 ml of EASY DET PLUS solution, add 2-3 drops of phenolphthalein alcoholic solution.
Titrate with 1N hydrochloric acid until the red coloration disappears.
EASY DET PLUS concentration (%) = ml Acid x 0.22

EASY DET PLUS % p/p	CONDUCTIVITY mS/cm (20 °C)
0.5	9.5
1	22.1
1.5	31.2
2	40.1
2.5	48.3
3	57.8

Compatibility

Consider the following compatibility (referred to the pure product):

- Compatible materials: AISI 304 stainless steel, AISI 316L stainless steel, polyvinylchloride (PVC), polyethylene (PE), polypropylene (PP), polytetrafluorethylene (PTFE), ethylene-propylene rubber (EPDM).
- Incompatible materials: strong acids, galvanised steel, aluminum, acetalic resin (POM)

If in doubt, test the product on a small portion of the surface not in sight.

Packaging

Canister: 25 kg - Barrel: 250 kg - IBC: 1250 kg

Other information

EASY DET PLUS is sensitive to extreme temperatures. Store at temperatures between 15°C and 35°C. When properly stored in the original container, it is stable for 24 months.

EASY DET PLUS meets the classification criteria of Regulation (EC) no. 1272/2008 (CLP). For specific information see safety data sheet.



Warning: Hazard

Contains: Sodium hydroxide, potassium hydroxide

Hazard statements: H290 May be corrosive to metals. H314 Causes severe skin burns and eye damage. EUH071 Corrosive to the respiratory tract.

Precautionary statements: P260 Do not breathe mist/vapors/aerosols. P305+P351+P338 IF IN EYE CONTACT: Rinse cautiously with water for several minutes. Remove contact lenses if easy to do. Continue rinsing. P303+P361+P353 IF ON SKIN (or hair): Remove all contaminated clothing immediately. Rinse skin [or shower]. P280 Wear protective gloves/clothing and eye/face protection. P310 Immediately contact a POISON CENTER. P264 Wash hands thoroughly after use.

EASY DET PLUS is classified as hazardous for various transport modes according to the "Recommendations on the Transport of Dangerous Goods - Model Regulations" by the United Nations. For specific information, refer to section 14 of the safety data sheet.

UN 1719 CAUSTIC ALKALINE LIQUID N.O.S. (SODIUM HYDROXIDE, POTASSIUM HYDROXIDE), II

Composition (Reg. 648/2004/CE):

<5% phosphonates, nonionic surfactants

Attention

This technical data sheet is intended to be purely indicative. For the definition of the correct protocol for the use of Devidet s.r.l. always consult the Devidet s.r.l. Technical Office, expert technicians will be able to provide the most suitable solutions for specific needs. Product for professional use only. We decline all responsibility for damage resulting from improper or unauthorized use of the product. Before use, check that the product matches the type of application required. Before use, consult the safety data sheet or the information sheet.

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