



# Joy Dishwashing Liquid



## Surfactants Identified

Surfactant	Type	Function & Properties
Sodium Lauryl Sulfate (SLS)	Anionic	Strong cleanser, high foam, may irritant skin
Sodium Laureth Sulfate (SLES)	Anionic	Mild cleanser, good foaming, biodegradable
Cocamidopropyl Betaine	Amphoteric	Stabilize foam, reduces irritation, coconut-derived
Alcohol Ethoxylates	Nonionic	Degreaser, low foaming

## Formulation

Component	%	Function
Water	60 - 80	Solvent
SLS + SLES	10 - 20	Main surfactants
Cocamidopropyl Betaine	1 - 5	Co-surfactant
Alcohol Ethoxylate	1 - 5	Grease remover
Sodium Chloride	1 - 3	Thickener
Fragrance & Colorants	< 1	Aesthetic appeal

## User Guidelines

### Handwashing

Add few drops to sponge → Wash → Rinse

### Heavy grease

Apply undiluted to dirt → Scrub → Rinse

### Precautions

- Avoid contact with eyes
- Keep away from children
- Do not mix with bleach

### ADVANTAGES

- Affordable & biodegradable
- Powerful grease-cutting ability
- Rich foam & pleasant scent
- Quick rinsing formula

### DISADVANTAGES

- May cause skin dryness or irritation
- Potential aquatic pollution if overused