



**NUMBER 4856-2** (supersedes 4856.1)

## **surfadone™ Ip-300 wetting agent** *surface active solvent for specialty applications*

### **description**

Surfadone™ LP-300 wetting agent is sparingly soluble in water (0.02 weight percent) and soluble in most organic solvents. It is a low foaming, nonionic surfactant with an HLB of 3 and has no critical micelle concentration (CMC). As with its lower homolog, Surfadone™ LP-300 wetting agent interacts with anionic surfactants forming mixed micelles which greatly enhance its solubility resulting in a synergistic surface tension reduction and wetting enhancement. Appropriate combinations of Surfadone™ LP-300 wetting agent and anionic surfactants produce viscous solutions and gels.

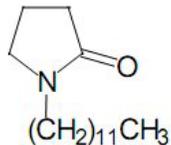
### **key attributes**

- high boiling solvent for polymers and hydrophobic substances
- ingredient in pressure sensitive adhesives
- soluble in organic solvents; sparingly soluble in water
- synergistic surface tension reduction with anionic surfactants
- enhances wetting, provides high surface activity at very low conditions
- biodegradable

### **applications and usage notes**

- **household, industrial and institutional cleaners**
  - acts as a co-surfactant, co-emulsifier, soil penetrant and softener in the following:
    - hard surface cleaners and concentrates
    - grease removers
  - improves cleaning due to synergetic wetting effects with anionic, nonionic and amphoteric co-surfactants, promotes solubility of fragrances into formulae, aids penetrations and solubilization of greasy soils, reduces streaking, imparts foam stabilization in liquid detergents, mixtures with select anionic surfactant forms gels.
- **adhesives**
  - sprayable Pressure Sensitive Adhesives – fosters dispersion, coagulation and wettability in acrylic ester / chloroprene containing adhesives used in binding foams (i.e., polyurethanes, polyether, etc.) to plastic, metal and wood substrates. Rapid initial adhesive strength, low waste, low volatility
- **plastics**
  - PVC plasticizer, improves cold flex

## typical product properties



**Surfadone™ LP-300 wetting agent  
(N-Dodecyl-2-pyrrolidone)**

Molecular weight	253
Physical form	Liquid
Color (APHA)	180 max.
Purity	98.0 min.
Moisture Content	0.1 max.
Boiling point	145°C @ 0.2 mm Hg
Flash point	240°C
Freezing point	10°C
Vapor pressure	<0.001 est. mm Hg @ 20°C
Viscosity	18 cP @ 25°C
Specific gravity	0.9 @ 25°C
Minimum equilibrium surface tension	26 mN/m @ 20 ppm
HLB	3

## packaging information

Product	Physical Form	Pkg Type	Net Wgt (lbs)	Net Wgt (kgs)
Surfadone™ LP-300	liquid	steel drum	100 lbs	45.3 kgs
Surfadone™ LP-300	liquid	steel drum	400 lbs	181.4 kgs
Surfadone™ LP-300	liquid	HDPE IBC	2000 lbs	907.1 kgs

## product safety

For health and safety data and handling, storage and disposal procedures, please refer to the Safety Data Sheet (SDS) and product label.