



## LIPOCOL S-2

INCI Name: Steareth-2  
CAS#: 9005-00-9 (GENERIC); 16057-43-5

03-015

### DATA SHEET

#### **DESCRIPTION:**

**LIPOCOL S-2** is the mole ethylene oxide ether of stearyl alcohol. It is a nonionic w/o emulsifier that is stable and active over a broad range. It is compatible with cationic, nonionic and anionic surfactants.

#### **APPLICATION:**

**LIPOCOL S-2** is primarily used as an auxiliary emulsifier and stabilizer in o/w emulsions. Effective nonionic emulsifier systems can be formed by balancing **LIPOCOL S-20**. Because these systems are ester-free, they are particularly valuable at the pH extremes encountered in cuticle removers, depilatories, cold waves, bleaches and dyes. **LIPOCOL S-2** is also an opacifier and auxiliary emulsifier for anionic and cationic systems.

#### **TYPICAL PROPERTIES:**

Appearance @ 25°C	White to translucent waxy solid
Odor	Bland, characteristic
Ionic Character	Nonionic
HLB	4.9
Acid Value	1 max
Hydroxyl Value	155-165
Moisture, %	1 max

#### **SOLUBILITY:**

**LIPOCOL S-2** is soluble in alcohol and miscible warm with mineral oil and vegetable oils. It is insoluble in water.

#### **SAFETY:**

Steareth-2 at 60% is reported to be nonirritating to human skin, minimally irritating to unwashed rabbit eyes and nonirritating following washout. The acute oral LD<sub>50</sub> (rats) is greater than 5g/kg.