PRODUCT TECHNICAL DATA

Anionic Wetting Agent OT-75 / CY-75

Product Description

OT-75, also identified as CY-75, is an anionic surfactant with very rapid interfacial migration. It is a highly effective wetting agent and emulsifier. Its surface-modification properties reduce surface tension and improve absorbency and penetration.

Product Features

- Rapid migration to interfaces.
- Excellent wetting performance.
- Effective emulsifying, stabilizing and dispersing properties.
- Reduces surface tension.
- Improves absorbency and penetration.

Typical Properties

Property	Typical value
Appearance at 20°C	Clear, slightly viscous liquid
Solids content	75.0% ± 1.0% w/w
Viscosity	Approximately 200 cP
pH (1% solution)	5.0-7.0
Freezing point	-40°C
Flash point	34°C
Solvent	Water and ethanol

Typical Applications

OT-75 / CY-75 is used as a wetting agent and in emulsification, stabilization and dispersion applications. Principal uses include:

- Printing inks and overprint varnishes.
- Emulsion polymerization.
- Coating formulations.
- Pigment dispersion.
- Textile and paper processing.
- Cleaning and substrate wetting.

Handling, Storage and Transport

OT-75 / CY-75 contains ethanol and is a flammable liquid. Handle, store and transport it in accordance with applicable safety requirements. Keep it away from sources of ignition and maintain adequate ventilation. Read the current SDS before use; this technical data sheet does not replace the SDS.

Container and Gel Control

The product can be stored and used in most containers or reaction vessels. Evaporation of water and ethanol can cause gel formation, so keep containers tightly closed when not in use. If gel formation occurs, a small amount of ethanol, equal to 1%-2% of the surfactant weight, may be added until the gel disappears. This treatment should be confirmed by qualified technical personnel in accordance with fire-safety and formulation requirements.

Freeze-Thaw Behavior

The activity of OT-75 / CY-75 is not changed by freeze-thaw cycling. If freezing occurs, agitate thoroughly before use.

Dosage, Packaging and Shelf Life

The source technical sheet does not provide a recommended dosage or a specific storage temperature; confirm the starting level and storage conditions with the technical team for the intended system. Packaging: 200 kg. Shelf life: 12 months.