



PH-20

Phenyl-Modified Silicone Fluid

2025/01/09 Draft. **PDS**

Description

PH-20 is a phenyl-modified silicone that differs from traditional dimethyl silicone. It is widely used as a release agent for rubber and plastics, as well as in dyeing, oil additives, and for achieving flatness in inks and paints.

PH-20 is soluble in water and miscible with various organic solvents. It offers excellent re-coatability, allowing direct painting or coating of treated rubber, plastic, or metal surfaces without additional cleaning. Additionally, it has great temperature resistance and gloss, suitable for low melting point alloys and PU release applications without further surface treatment.

Characteristics

- Exceptional re-coatability compared to regular silicone oils
- Excellent heat resistance
- Good lubricity
- Low surface tension
- Waterproof and hydrophobic properties
- Superior antioxidant properties
- Outstanding compatibility

Properties

Appearance	Transparent to hazy liquid
Active ingredient(%)	100.0%
pH(5%Solution,25°C)	7.0±1.0
Ionic type	Nonionic
Specific gravity	1.02

Safety

This document does not contain the safety information required for the product. Please read the safety data sheet for this product before use.

Storage & packaging

When stored in its originally sealed packaging at 5°C - 40°C, this product may be stored for up to 8 months from its manufacturing date. Comply with the storage instructions marked on the packaging. Once past this expiration date, TAI COUNTY CHEMICAL no longer guarantees that the product meets the sales specifications.

Product comes in 20 、200 kg iron drums.

Applications

- Release agents for PU, rubber, plastic, and other materials
- Dispersion of pigments, powders, and granules
- Enhancing brightness in inks and paints
- Softening, smoothing, and moisture absorption for fibers and leather, as well as static prevention effects

Processing

(Depending on the actual conditions, you can adjust the usage amount.)

