## Section 8. Exposure controls/personal protection

Respiratory protection

In case of insufficient ventilation, wear suitable respiratory equipment.

The correct choice of respiratory protection depends upon the chemicals being handled, the conditions of work and use, and the condition of the respiratory equipment. Safety procedures should be developed for each intended application. Respiratory protection equipment should therefore be chosen in consultation with the supplier/manufacturer and with a full assessment of the working conditions.

## Section 9. Physical and chemical properties

The conditions of measurement of all properties are at standard temperature and pressure unless otherwise indicated.

**Appearance** 

**Physical state** Liquid. Color Brown. Odor Not available. Not available. **Odor threshold** рH Not applicable. Melting point/freezing point Not available. Boiling point, initial boiling Not available.

point, and boiling range

Flash point

Closed cup: >200°C (>392°F) [Pensky-Martens ASTM D 93]

Not applicable. Based on - Physical state

**Pour point Evaporation rate Flammability** 

Not available.

-39 °C

Lower and upper explosion

Not available.

limit/flammability limit

Vapor pressure

	Vapor Pressure at 20°C			Vapor pressure at 50°C		
Ingredient name	mm Hg	kPa	Method	mm Hg	kPa	Method
Distillates (petroleum), hydrotreated heavy paraffinic	<0.08	<0.011	ASTM D 5191			
Distillates (petroleum), hydrotreated heavy paraffinic	<0.08	<0.011	ASTM D 5191			
Distillates (petroleum), solvent-dewaxed heavy paraffinic	<0.08	<0.011	ASTM D 5191			
bis(nonylphenyl)amine	<0.01	<0.0013	EU A.4	0.0019	0.00025	EU A.4

Relative vapor density

Not available.

**Density** 

<1000 kg/m3 (<1 g/cm3) at 15°C

Solubility(ies)

Media	Result
water	Not soluble

Partition coefficient: n-

octanol/water

Not applicable.

**Auto-ignition temperature** 

Ingredient name	°C	°F	Method
bis(nonylphenyl)amine	440	824	EU A.15

**Decomposition temperature** 

Not available.

**Viscosity** 

Kinematic: 102.4 mm<sup>2</sup>/s (102.4 cSt) at 40°C

Kinematic: 16.5 to 17.5 mm<sup>2</sup>/s (16.5 to 17.5 cSt) at 100°C

Particle characteristics

Median particle size Not applicable.

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