

Hazardous components	ACGIH TLV	OSHA PEL	ARA WEEL	OTHER
Distillates (petroleum), hydrotreated heavy naphthenic	5 mg/m ³ TWA mist 10 mg/m ³ STEL mist	5 mg/m ³ TWA mist	None	None
Calcium hydroxide	5 mg/m ³ TWA	5 mg/m ³ TWA Respirable fraction 15 mg/m ³ TWA Total dust	None	None
Mineral oil light naphthenic, hydrotreat, <3% DMSO	5 mg/m ³ TWA Mist 10 mg/m ³ STEL Mist	500 ppm (2,000 mg/m ³) TWA	None	None
Copper	1 mg/m ³ TWA (as Cu) Dust and mist 0.2 mg/m ³ TWA Fume	1 mg/m ³ TWA (as Cu) Dust and mist 0.1 mg/m ³ TWA (as Cu) Fume 5 mg/m ³ TWA Respirable fraction	None	None
Graphite	2 mg/m ³ TWA Respirable fraction	15 mg/m ³ TWA Total dust 15 MPPCF TWA Respirable	None	None
Quartz (SiO ₂)	0.025 mg/m ³ TWA Respirable fraction	0.1 mg/m ³ TWA Respirable 0.3 mg/m ³ TWA Total dust	None	None

Engineering controls:

Use only with adequate ventilation. Local exhaust ventilation is recommended when general ventilation is not sufficient to control airborne contamination below occupational exposure limits.

Respiratory protection:

Use NIOSH approved respirator if there is potential to exceed exposure limit(s). Observe OSHA regulations for respiratory use (29 CFR 1910.134).

Eye/face protection:

Goggles. Safety glasses with side-shields.

Skin protection:

Cover as much of the exposed skin area as possible with appropriate clothing.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state:
Color:
Odor:
Odor threshold:
pH:
Vapor pressure:
Boiling point/range:
Melting point/ range:
Specific gravity:
Vapor density:
Flash point:
Flammable/Explosive limits - lower:
Flammable/Explosive limits - upper:
Autoignition temperature:
Evaporation rate:
Solubility in water:
Partition coefficient (n-octanol/water):
VOC content:

Paste
copper
Mild
Not available
Not applicable
< 5.0 mm hg
> 200 °C (> 300°F)
Not available
1.30
Heavier than air
> 93 °C (> 199.4 °F)
Not determined
Not determined
Not determined
Slower than ether
Insoluble
Not determined
Essentially Zero