



DESCRIPTION

MONO PROPYLENE GLYCOL is a water-white sticky-thick hydrophilic liquid, with stable characteristics. It is a food grade product.

APPLICATION

MONO PROPYLENE GLYCOL is suitable for use as the raw material for non-saturated alkyd resin, plasticiser, dehydration, surface active agent, solidification agent, and cohesive agent. It is also used in the paint industry, pesticide industry and dope industry etc.

MONO PROPYLENE GLYCOL can be used as an anti-freeze agent in the food industry. When used in areas where animal material or product is processed for human consumption the maintenance compound must be contained within an enclosed heat exchange system. Before any of these areas are exposed to a maintenance compound all animal material or product intended for human consumption and packaging material must be removed from the room. Incidental contamination of food contact surfaces must be thoroughly cleaned, then rinsed with potable water before production starts.

SOLUBILITY

It is soluble in the organic solvent, such as water and ethanol.

STORAGE

Protect container from physical damage. Store in a cool, dry, ventilated area away from sources of heat, moisture, and incompatible substances. Containers of this material may be hazardous when empty as they retain product residues (vapours, liquid); observe all warnings and precautions listed for the product.

FIRST AID MEASURES

Inhalation:

Remove to fresh air. Not expected to require first aid measures.

Ingestion:

Not expected to require first aid measures. Give several glasses of water to drink to dilute. If large amounts were swallowed, get medical advice.

Skin Contact:

Remove any contaminated clothing. Wash skin with soap and water for at least fifteen



minutes, get medical attention if irritation develops or persists.

Eye Contact:

In case of contact, immediately flush eyes with plenty of water for at least fifteen minutes, lifting upper and lower eyelids occasionally. Call a physician if irritation persists.

Note to Physician:

In case of ingestion, monitor for acidosis and central nervous system changes. Exposed persons with previous kidney dysfunction may require special treatment.

Typical Characteristics	Typical Values
Content, %	>99.5
Colour Tone (APHA)	10 Max.
Index of Refraction, (nD20)	1.433-1.435
Moisture, %	<0.2
Free Acid (as CH ₃ OOH%), ppm	<75
Ash, ppm	<80
Appearance	Water-white sticky-thick liquid
Melting Point/Melting Range, °C	-59
Flash Point, °C	107 (open cup) 98.9 (closed cup)
Boiling Point/Boiling Range, °C	187.3
Relative Density at 20°C, g/ml	1.0381

The facts stated and the recommendations made herein are believed to be accurate. No guarantee of their accuracy is made however, and otherwise expressly provided in written contract, the products are sold without conditions or warranties, expressed or implied. Purchasers should determine the suitability of such products for their particular purpose.