

Health & Safety Information

Refractometer Contact Fluid N.D. 1.79

B & S PART No. 10-62
Refractive Index @ 20°C = 1.79

Product

Refractometer Fluid: di-iodomethane saturated with sulphur tetraiodoethylene.

Physical Properties

Dense, light yellow to reddish refractive liquid.

Stability:

Decomposes on exposure to light with liberation of iodine and crystallisation of sulphur. On heating, decomposes emitting toxic fumes.

Reaction:

Avoid contact with oxidisers

Toxicity:

Probably irritating and narcotic in high concentrations.

Fire Fighting:

Use respiratory protection as pyrolysis products are corrosive and toxic.

Personnel Protection:

Protective clothing, gloves, goggles, apron and rubber boots.
Eyewash bottle containing clean water. Avoid breathing vapour.
Avoid contact with skin, eyes and clothing.

Exposure:

Remove to fresh air. Remove contaminated clothing. Drench with water.

Eyes

Irrigate with water for 15 minutes, obtain medical attention

Mouth:

Wash thoroughly with water, obtain medical attention.

Decontamination:

Instruct others to keep at a safe distance, wear breathing apparatus and gloves. Apply dispersant liquid, work to emulsion with a brush and run to waste diluting greatly with water. If dispersant is not available, absorb on sand, shovel into bucket(s) and arrange for proper disposal. Site of spillage should be thoroughly washed with soap or detergent and water.

Storage:

In general it is recommended that the liquid be kept in a reasonably warm environment.

Note:

This liquid has a di-iodomethane (methylene iodide) base saturated with sulphur. At low temperatures the sulphur tends to crystallise, which can form a crust on the surface of the liquid. This process can easily be reversed by holding the bottle in the palm of your hand for a few minutes, or carefully warming the bottle in warm water (**not hot**). **Do not apply a flame**, of any sort, directly to the bottle.

1. Although the amount of Refractometer Fluid supplied by Bellingham & Stanley Ltd. for use as a test piece contact liquid is small in comparison with the typical laboratory quantities that this information was prepared for, data is still generally applicable and inhalation and all skin contact should be positively avoided.



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