

PRECIPITATED SULPHUR

- Chemical symbol S Atomic wt. : 32.6
- Synonym:- flower of Sulphur, milk of sulphur

Preparation:-

- By Sublimation process

(Any form of Sulphur is heated vapors produced which are condensed.)

- In refinery the molten Sulphur is placed in iron retorts which communicate with the stone chambers.
- When Sulphur vapors enters the stone chambers they ignite & convert into Sulphur dioxide.
- The subsequent vapor pass through relative cold gas & condenses on walls & floors of the chambers in fine crystalline form.



Properties:-

- Colour:- Yellow
- nature:- Fine crystalline powder
- Odour :- Odourless
- Tasteless
- Solubility:- insoluble in water and in alcohol.

Uses:-

- Used as an ingredient in sulphur ointment & used as scabicide.
- Used in the treatment of acne, pimples and psoriasis
- Act as keratolytic agent

Precipitated Sulphur U.S.P (Solid allotropic form of Sulphur)

- properties:
- Colour:-pale yellow
- Odour:-odoureless
- Taste;- Tasteless
- nature:- very fine
- Solubility;- very slightly soluble in alcohol & slightly soluble in olive oil.

Selenium Sulphide

Chemical formula - SeS_2

Synonym Selenium Disulphide

Mol.wt-143.09

Preparation;-

Prepared by passing H_2S into selenious acid. by adding selenious acid to a saturated solution of H_2S PPT is collected & dry.

Properties.

colour;-orange to reddish brown

odour:- faint odour of hydrogen sulphide

nature:- powder

solubility:-in water & inorganic solvents in HNO_3 with formation of selenious & sulphuric acid

- 1 Selenium sulphide is used as antidandruff.
2. Selenium Sulphide used in 1 to 2.5 % as anti seborrheic
- 3.5-10ml of 2.5% suspension to be applied on scalp. after application it is allowed to remain in contact for 5 min & it is washed off.
4. Longer exposure produce irritation care should be taken ,not to introduce in eyes or mouth as it is highly toxic.