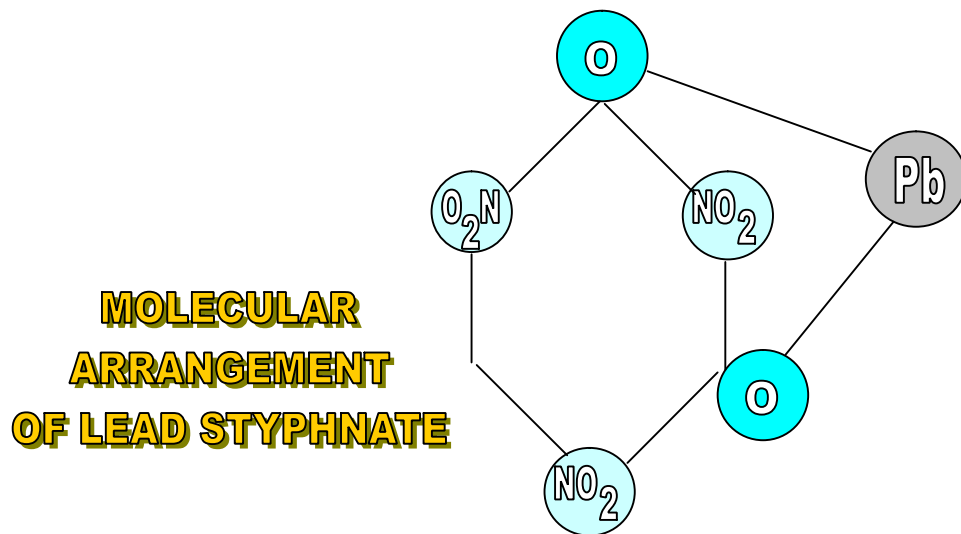


LEAD STYPHNATE

The scientific name for this explosive is Lead Trinitroresorcinol. As with most metallic salts it is poisonous. It has the advantage that it is chemically quite stable. It comes in two forms, six sided monohydrate crystals and small rectangular crystals. It is a yellow to brownish material and is very susceptible to fire and static electric discharges. It is only slightly soluble in water or methyl alcohol. It can be neutralized by a sodium carbonate solution. It can be stored at quite high temperatures without deleterious effects.

The physical properties of Lead Styphnate.

FORMULA	MELTING POINT	IGN POINT	POWER	F of I	V of D	Density
$\text{Pb}[\text{O}_2\text{C}_6(\text{NO}_2)_3]\cdot\text{H}_2\text{O}$	260° Will explode	282°		18	5200 mps	3.09



PREPARATION OF LEAD STYPHNATE

