



**MFG.& EXPO OF :** TUNGSTEN / MOLYBDENUM SALTS  
REACTIVE / PIGMENT DYES

## OUR PRODUCT



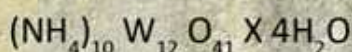


# Ammonium Paratungstate



CAS:11120-25-5

Uses :- Production of tungsten metal and its derivatives, Fire proofing fabrics and cellulose, Reagent for uric acid, Alkaloids, Plasma proteins, Blood sugar, Clinical analysis of blood, Textile (mordant, color resist) plastics, To form metal by reduction, Alloys, Preparation of tungstate for x-ray screen, Yellow pigment in ceramic.



Mol.Wt.3132

## PHYSICAL PROPERTIES

Color	: White powder
Ignition Residue as	: $\text{WO}_3$ 88 $\pm$ 1
Grain Size	: 18 - 25 Micron F.S.S.S.

## CHEMICAL PROPERTIES

Component	% / PPM
Ca	0.002
Na	0.003
K	0.002
Moly	0.001
Si	0.001
Fe	0.001
Sn	0.001
As	0.001

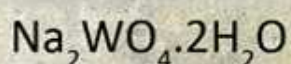
# Sodium Tungstate



CAS:10213-10-2

Uses :- Intermediate in preparation of tungsten compound, Reagent, Fire proofing fabrics & cellulose, Alkaloid precipitant.

## SPECIFICATIONS



Mol. Wt. 329.86

<input type="checkbox"/>	Assay	98% Min
<input type="checkbox"/>	Free alkali (as NaOH)	0.1% Max
<input type="checkbox"/>	Chloride (Cl)	0.01% Max
<input type="checkbox"/>	Sulphate ( $\text{SO}_4$ )	0.02% Max
<input type="checkbox"/>	Total Nitrogen (N)	0.005% Max
<input type="checkbox"/>	Iron (Fe)	0.002% Max



# Tungsten Disulphide



CAS:12138-09-9

**Uses :** It mainly has application in spraying, coating, carbon material, super rigidity material, and weld thread material, all sorts of grease, lubricating oil, friction materials and catalyses.

WS2 can be applied for lubricants such as grease, oil and synthetic lubricants as an additive with powder form 1% to 15%

## SPECIFICATIONS

<b>Mol Formula</b>	WS <sub>2</sub>
<b>Colour</b>	Silver Gray
<b>Appearance</b>	Crystalline Solid
<b>Melting Point (°C)</b>	1250°C, 1260°C (decomposes)
<b>Density (Kg.m-3)</b>	7500
<b>Molecular Weight</b>	248
<b>Coefficient of Friction</b>	0.03 Dynamic; 0.07 Static
<b>Lubrication Temperature Range</b>	Ambient: from -273°C to 650°C Vacuum (10 -14 Torr): from -188°C to 1316°C
<b>Chemical Durability</b>	Inert Substance, Non-Toxic
<b>Coatable Substrates</b>	Iron, Steel, Aluminum, Copper, other Metals, Plastics and Manmade Solids



# Sodium Molybdate



CAS:10102-40-6

Uses: Reagent in analytical chemistry, Paint pigments, Production of molybdated toners & lakes, Metal finishing, Brightening agent for zinc plating, Corrosion inhibitor, Catalyst in dye & pigment production, Additive for fertilizer and feeds, Macro nutrient.

## SPECIFICATIONS

$\text{Na}_2\text{MoO}_4 \cdot 2\text{H}_2\text{O}$

DESCRIPTION

TOTAL ASSAY

MOLYBDENUM

INSOLUBLE MATTER

CHLORIDE (CL)

SULPHATE ( $\text{SO}_4$ )

HEAVY METAL

SILICON

**MOL. W.241.95**

SMALL LUSTROUS CRYSTALLINE PLATES.

99.0% MIN.

39.0% MIN.

0.05% MAX.

0.05% MAX.

0.01% MAX.

0.01% MAX.

0.05% MAX.

# Molybdenum Disulphide



CAS:1317-33-5

Uses: Lubricants in greases, oil dispersion, resin bonded films, dry powders, etc., specially at extreme pressures and vacuum, hydrogenation catalyst

## SPECIFICATIONS

$\text{MoS}_2$

DESCRIPTION

MINIMUM ASSAY ( $\text{MoS}_2$ )

MAXIMUM PARTICLE SIZE

**M.W. 160.06**

BLACK CRYSTALLINE POWDER

98%

0.01 MM



## ABOUT US

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Incepted in the year 1978, Sajan Overseas is engaged in manufacturing and supplying a comprehensive array of metallic salts. These include Ammonium Molybdate, Sodium Molybdate, Sodium Tungstate, Tungsten Trioxide, Molybdenum di sulphide and more. Our valuable industry experience spanning over one and half decades has helped us understand client requirements and accordingly formulate chemicals. Presently, the offered products are meeting the demands of industries like Dyes & Colors, Bulk Drugs, Paints & Pigments and more.

We also have a sophisticated infrastructure facility which is well equipped with latest manufacturing unit, advance research and development wing and storage unit. Our diligent and proficient workforce is capable of understanding client requirements and delivering the same in best possible finish standards.

Under the able guidance of our mentor, Mr. Vinesh Patel (M.SC) (40 years), who has an industrial experience of 19 years, we have reached pinnacle of success. His strong business acumen and process knowledge has helped us to successfully find client support in the domestic markets.

### Product Range

- Ammonium Para Tungstate
- Ammonium Meta Tungstate
- Sodium Tungstate
- Tungsten Di Sulphide
- Sodium Metatungstate (Sodium Polytungstate)
- Tungstic Acid
- Tungsten Trioxide
- Ammonium Molybdate
- Sodium Molybdate
- Molybdic Acid
- Molybdenum Trioxide
- Molybdenum Di Sulphide
- Nickel Sulphate
- Nickel Chloride
- Nickel Carbonate
- Inorganic Salt Cu & Co
- Phosphotungstic Acid.



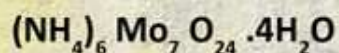
# Ammonium Molybdate & Ammonium Para Molybdate Ammonium Hepta Molybdate



CAS:12027-67-7

Uses: Analytical reagent, Pigment, Catalyst for dehydration and de-sulphurization in petroleum & coal technology, Production of molybdenum metal, Source of molybdate ions.

## SPECIFICATIONS



MOL. W. 1235.90

Description	White Crystalline Powder
Total Assay	99.0% Min.
MoO <sub>3</sub>	81.0% Min.
Molybdenum	54% Min.
Insoluble Matter	0.01% Max.
Chloride (Cl)	0.05% Max.
Ar. Ph. Si. (SiO <sub>2</sub> )	0.05% Max.
Nitrate (NO <sub>3</sub> )	0.02% Max.
Sulphate (SO <sub>4</sub> )	0.02% Max.
Iron (Fe)	0.01% Max.
Lead (Pb)	0.01% Max.



# Tungsten Trioxide



CAS:1314-35-8

Uses: To form metal by reduction, Alloys, Preparation of tungstates for x-ray screens, Fireproofing fabrics, Yellow pigments in ceramics and others.

## PHYSICAL PROPERTIES

MF	: $WO_3$
Color	: Yellow / Green
Ignition Residue as	: 2.2 gm/cc
Grain Size	: 9.5 micron

## CHEMICAL PROPERTIES

Sr.No	Maximum allowed	As actual
Ca	10	6
Fe	20	6
K	10	02
Na	15	06
Mo	30	03
Si	10	03
Co	10	03
WO <sub>3</sub>	99.97%	99.98%

# Ammonium Metatungstate



CAS:12025-48-7

Uses: Catalysts Petrochemical industry as a reactions including oxidation hydroxylation, hydrogenation, and polymerization\_reagent for chemical analysis such as for medical diagnosis-thin-film substrate for certain semi conductor device, use in tungsten metal.

## SPECIFICATIONS

NAME : AMT-72 AMMONIUM METATUNGSTATE HIGH PURITY TYPE

MOLECULAR FORMULA :  $(NH_4)_6[H_2W_{12}O_{40}] \cdot nH_2O$  (n6)

MOLECULAR WEIGHT : 3,064

WO<sub>3</sub> CONTENT : 90 $\pm$ 1

WO <sub>3</sub> :	90.8%
Mo :	0.01%
Fe :	0.04%
Ca :	0.05%
Na :	0.15%
K :	0.15%
Ni :	0.03%
Cu :	0.03%
Al :	0.04%
Mg :	0.03%
Ph :	3.0-5

**PACKING:** NET 25kg  
CARTON BOX

## APPLICATIONS

Electronic material



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