

MOLYBDENUM TRIOXIDE

CAS Registry Number: 1313-27-5

Structure: MoO₃

Molecular Formula: MoO₃

1. Description

Molybdenum trioxide occurs as an odorless powder, or in granular or crystalline form. It is white, or slightly yellow to slightly bluish, depending on the temperatures. Molybdenum trioxide is sparingly soluble in water, very soluble in excess alkali (with formation of molybdates), and soluble in a concentrated mixture of nitric and sulfuric acids. Molybdenum trioxide readily combines with acids and bases to form a series of polymeric compounds.



2. Physical Properties

Molecular Weight	143.94
Boiling Point	1,155 oC
Melting Point	795 oC
Density/Specific Gravity	4.696 at 26/4 oC

3. Application: Make molybdenum powder, petroleum catalyst, pigment, alloy raw materials, etc.

4. Specification

Chemical elements contents (%)							
Not less than	Not more than						
Mo	Pb	S	P	C	Cu	Sb	Sn
57.00	0.05	0.10	0.05	0.10	0.30	0.04	0.04

5. Size: 0-4mm 90% min

6. Packing



1) 25kg bags on pallets



2) 250kg net steel drums on pallets

3) As required by the client

7. Marking: Commodity name, gross weight, net weight and company name.

8. Origin: Vietnam