



ORGANIC INDUSTRIES PRIVATE LTD.

S/163, GIDC, DAHEJ, TAL. VAGHRA., DIST. BHARUCH - 392 130, GUJARAT, INDIA.

PRODUCT DATA SHEET FOR POTASSIUM PERMANGANATE

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|----------------------------|---|
| PRODUCT NAME | :POTASSIUM PERMANGANATE |
| OTHER NAMES | :PERMANGANIC ACID,POTASSIUM SALT |
| MOLECULAR FORMULA | KMnO4 |
| MOLECULAR WEIGHT | 158.034 g/mol |
| PRODUCT CODE | C364 |
| U.N.NO. | UN 1490 |
| CLASS | 5.1 |
| HAZCHEM CODE | 2Y |
| APPEARANCE | Dark purple to deep bronze crystals with metallic shine and no odour. |
| MELTING POINT | 240 °C (464 °F; 513 K) (decomposes) |
| SPECIFIC GRAVITY | 2.7 @ 15°C |
| FLASH POINT | ASSIST COMBUSTION |
| FLAMABILITY LIMITS | NO DATA |
| SOLUBILITY IN WATER | 6.4 g/100mL (20 °C) 250 g/L (65 °C) |
| SOLUBILITY | Decomposes in alcohol and organic solvents |

| GRADE MARKET REQUIREMENT | FREE FLOWING GRADE |
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| Typical Properties | Specifications |
| <u>Assay</u> | |
| Purity(KMnO4) | 97.00% Min |
| Insoluble | 2.01% Max |
| Moisture (as H2O) | 0.50% Max |
| Chloride (as Cl) | 0.10% Max |
| Sulphate (as SO4) | 0.20% Max |
| Nitrogen (Total N) | 0.10% Max |
| Cadmium (as Cd) | 10 ppm Max |
| Chromium (as Cr) | 10 ppm Max |
| Lead (as Pb) | 10 ppm Max |
| Arsenic (as As) | 10 ppm Max |
| Mercury (as Hg) | 10 ppm Max |
| Antimony (as Sb) | 10 ppm Max |
| Selenium (as Se) | 10 ppm Max |
| Water Tolerance (< 0.7 ml water) /Pour test | Passes |
| Bulk Density @ 22oC 72oF | 80-90 lbs/cft |
| <u>Particle Size</u> | |
| RETENTION | 20% Max on US Standard No. 40 |
| PASSES | 7% Max Through US Standard No. 200 (Intl No.: 75) |
| Appearance | Dark Purple Free Flowing Crystalline Powder |
| Meets Specifications | AWWA B 603-16 |

NSF: Product is Certified to NSF/ ANSI 60 standards.



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