

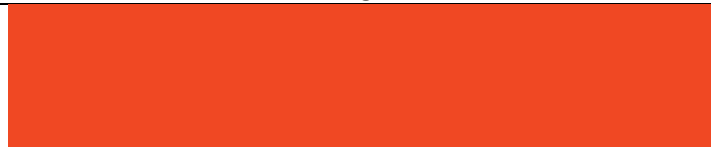


Cloud Chemicals

A-328, Sarita, Prabhat Industrial & Residential Complex, W.E. Highway, Near Toll
Naka, Dahisar East, Mumbai : 400068
Tel: 022-40120947. E-Mail: info@cloudchemicals.com

TECHNICAL DATA SHEET

Identification:

Product Name	Solvent orange 63
Available form	Powder
Synonyms	N/A
Chemical name	14H-Anthra(2,1,9-mna)thioxanthen-14-one
Color index no.	68550
Color index name	Solvent Orange 63
E No.	Not applicable
CAS No.	16294-75-0
EINECS No.	240-385-4
INCI name	Not applicable
Country of origin	India
Origin	Synthetic
UV-Vis Wavelength λ_{max}	509-511nm in Dimethyl formamide (DMF)
Fluorescence Wavelength λ_{max}	586nm in Dimethyl formamide (DMF)
Chemical Formula	$C_{23}H_{12}OS$
Molecular weight	336.40g/mole
Typical Hue	

Composition:

Component	CAS Number	%W/W Content
Solvent orange 63	16294-75-0	99.00, minimum
Water	7732-18-5	01.00, maximum

Regulations:

This colorant meets specification of:

1. Standard EN 71-3
2. RoHS
3. SVHC

Properties:

Physical appearance	Melting points	Bulk Density (g/cc)
Reddish powder	>300°C	0.32-0.42



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Solubility:

Water	Toluene	Ethanol	Methyl ethyl ketone (MEK)	Ethyl acetate
Insoluble	<0.10%	<0.10%	<0.10%	<0.10%

1-Methyl-2-pyrrolidone	Ethyl cellosolve	N-N-Dimethyl Formamide (DMF)	Ethylene glycol	Diethylene glycol
<0.10%	<0.10%	<0.10%	<0.10%	<0.10%

3:1 Methanol:1 Butanol mixture	Propylene glycol	Butyl cellosolve	Light liquid paraffin (LLP)	Acetone
<0.10%	<0.10%	<0.10%	Slightly soluble	<0.10%

Stability:

Light fastness in PS: 3

Grey scale rating 1-5:-1= Very poor

2= Poor

3= Fair

4= Good

5= Excellent

Application:

This colourant is suitable to use for plastics. Recommended to use in

- PS
- SAN
- PVC-U
- PMMA
- ABS
- PC
- PET
- PBT

Typical Impurity Profile:

Sr. No.	Test	Unit	Limit	Specification
1.	DMF Insoluble	%W/W	Maximum	00.20

Typical Packing:

10Kg in HDPE Drums with LDPE bag as primary packaging.

We also provide packing as per customer's requirement.



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Storage and Handling:

Keep in a dry, cool and well ventilated place and out of direct sunlight.

Keep container tightly closed.

Keep container closed when not in use

Shelf life: 8 Years

Certifications:

- ISO 9001
- GMP