

MATERIAL SAFETY DATA SHEET

Date of issue: 18.06.2015

Revision No.: 01 / Date :18.06.2015

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41RS250, 42RS250 , 43RS250, 49RS250

1. IDENTIFICATION OF PRODUCT AND COMPANY

Product name : RESISTA
Product Code : 41RS250 Yellow, 42RS250 Magenta, 43RS250 Cyan, 49RS250 Black
Intended use : Colouration of Printing Inks.

Company details : **Hubergroup India Private Limited** Phone : (0091)2633 260086, 260091
Morkhal Unit – II Fax : (0091) 2633 260093
Survery No 8/1/2/P, 9P, 10/3, 10/4, 10/5,8/2
Village Morkhal, Silvassa-396 230, (U.T of D & NH), India

2. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Characterisation :
Mixture of C.I Pigment Yellow 174 (Cas No.78952-72-4),Resins, & Vegetable Oil.
Mixture of C.I Pigment Orange 34 (Cas No.15793-73-4), Resins, & Vegetable Oil.
Mixture of C.I Pigment Red 57.1 (Cas No.5281-04-9),Resins, & Vegetable Oil.
Mixture of C.I Pigment Blue 15:3 (Cas No.147-14-8),Resins, & Vegetable Oil.
Mixture of C.I Pigment Blue 61 (Cas No.1324-76-1),Resins, & Vegetable Oil.
Mixture of C.I Pigment Black 7 (Cas No.1333-86-4), Resins, & Vegetable Oil

3. HAZARDS IDENTIFICATION

Hazard Designation : Void
Information pertaining to particular dangers for man and environment: Void.
Classification System:
The classification is in line with EC list. It is expanded, however by information from technical literature and by information furnished by supplier companies.

4. FIRST AID MEASURES

General information, No special measures required.
After inhalation - supply fresh air; consult doctor in case of symptoms.
After skin contact – instantly wash with water and soap and rinse thoroughly.
After eye contact – rinse opened eye for several minutes under running water.
After swallowing - in case of persistent symptoms consult doctor.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing agents
Use fire-fighting measures that suit the environment.
CO₂, sand, extinguishing powder. Do not use water.
For safety reasons unsuitable extinguishing agents Water
Special hazards caused by the material, its products of combustion or resulting gases:
Under certain fire conditions, traces of other toxic gases cannot be excluded.
Protective equipment : No special measures required.
Additional Information :
Dispose of fire debris & contaminated fire fighting water in accordance with official Regulations.

6. ACCIDENTAL RELEASE MEASURES :

Person – related safety precautions : Wear protective clothing.
Measures for environmental protection : No special measures required.
Measures for cleaning/collecting : Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Dispose of the material collected according to regulations.
Additional Information : Refer Section 13 for information on disposal.

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7. HANDLING AND STORAGE

Information for safe handling:

No special precautions necessary if used correctly.

Information about protection against explosions & fires: No special measures required.

Storage:

Requirements to be met by storerooms and containers: No special requirements.

Information about storage in one common storage facility: Not required.

Further information about storage conditions: Store in cool, dry conditions in well sealed containers.

Storage Class: Class according to regulation on inflammable liquids: Void.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Additional information about design of technical systems:

No further data: See item 7

Components with limit values that require monitoring at the workplace:

CAS No.	Designation of material	%	Type	Value	Unit

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

Additional Information:

The lists that were valid during the compilation were used as basis.

Personal protective equipment:

General protective and hygienic measures:

The usual precautionary measures should be adhered to general rules for handling chemicals.

Breathing equipment : Not required.

Protection of hands : Protective gloves and protective skin cream.

Eye protection : Safety glasses recommended during refilling.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance :

Form : Paste

Colour : According to product specification

		Value/Range	Unit	Method
Change in condition				
Melting point/Melting Range	:	Not determined		
Boiling Point/Boiling Range	:	> 240 °C		
Flash Point	:	> 100 °C		
Ignition temperature	:	> 220 °C		
Self-inflammability	:	Product is not self-igniting.		
Danger of Explosion	:	Product is not explosive		
Critical values for explosion	:			
	Lower	:	0.6 Vol. %	
	Upper	:	6.0 Vol. %	
Solubility in/Miscibility with water	:	Not miscible or difficult to mix.		
Viscosity:				
Dynamic	at 25.0 °C	:	150 - 250 poise	

10. STABILITY AND REACTIVITY

Materials to be avoided.

No deconstruction when used and handled according to specification

Dangerous reaction – No dangerous reactions known.

Dangerous products of decomposition: none known.

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11. TOXICOLOGICAL INFORMATION

Acute toxicity.

Primary irritant effect:

On the skin - no irritant effect

On the eye - no irritant effect

Sensitization – No sensitizing effect known.

Additional toxicological information:

The product is not subject to classification according to the calculation method of the General EC classification Guidelines for preparations as issued in the latest version: When used and handled according to specifications, the product does not have any harmful effects according to our experience and the information provided to us.

12. ECOLOGICAL INFORMATION

The product should not be allowed to enter drains of water courses or soil.

13. DISPOSAL CONSIDERATIONS

Product: Recommendation Must be specially treated under adherence to official regulations.

Un cleaned packaging: Recommendation Disposal must be made according to official regulations.

14. TRANSPORT INFORMATION

Road transport :

ADR Non-hazardous goods

RID Non-hazardous goods

Inland waterways transport :

ADNR Non-hazardous goods.

Marine transport :

IMDG/UN Non-hazardous goods

Air transport :

ICAO/IATA-DGR Non-hazardous goods

Despatch by post : Permitted.

15. REGULATORY INFORMATION

Designation according to EC guideline : Observe the normal safety regulations when handling chemicals

The product is not subject to identification regulations under EC Directives and the Ordinance on Hazardous Materials (GefStoffV).

National regulations

Classification according to VbF : Void

Technical Instructions (air) : Class Share in %

Void

Water hazard class :

Water hazard class 1 (self assessment) : slightly hazardous for water.

16. OTHER INFORMATION

The information of this Material Safety Data Sheet (MSDS) is based on the present state of our knowledge and laws. The users' working conditions are beyond our knowledge and control. It is the responsibility of the user to take all the precautions. The information in this MSDS is not to be considered as a guarantee of the product's properties.

Department issuing data specification sheet : Q.A. Office.

Contact : Q.A. Manager