



**RADIANT**  
CHEMICALS

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## MATERIAL SAFETY DATA SHEET

(Revised version - Aug 21)

### 1. Identification of the substance/preparation and the company

**Substance** : **RHINADISPERS - 163**  
**Use** : Wetting & Dispersing agent for Paints  
**Company** : **Radiant Chemicals,**  
 Plot No : 110, Chickloli MIDC, Next to Mahanagar Gas,  
 Forest Naka, Dist - Thane (421 505),  
 State : Maharashtra, INDIA  
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### 2. Composition/information on the ingredients

Solution of a high molecular weight block copolymer with pigment affinic groups

	<b>CAS No</b>	<b>Weight (%)</b>
Xylene	1330-20-7	>= 21 - < 22
1-Methoxy-2-propanol acetate	108-65-6	>= 12 - < 13
n-Butyl Acetate	123-86-4	>= 11 - < 12
Ethyl benzene	100-41-4	>= 8 - < 9

### 3. Hazard Identification

Inhalation - Inhalation of Vapour or mist can cause irritation of Nose, throat & lungs

Eye Contact - Direct contact with material can cause irritation

Skin Contact - Prolonged or repeated skin contact can cause slight irritation



#### 4. **First Aid Measures**

Inhalation - Remove affected person to fresh air

Eye Contact - Flush eyes with copious amount of water & consult a physician

Skin Contact - Wash affected skin areas thoroughly with soap & water. Consult a physician.

Ingestion - If swallowed, give water to drink. If person is conscious, consult a physician.

#### 5. **Fire fighting Measures**

Flash Point - 28°C

Boiling Point -  $\geq 124^{\circ}\text{C}$

Auto Ignition Temperature -  $\geq 200^{\circ}\text{C}$

##### Unusal Hazards

Since it is water based, material can splatter above 100°C & dried product (polymer) can burn.

##### Extinguishing Agents

Proper extinguisher to be used to surround fire.

##### Personal Protective equipments

Use hand gloves, face mask & apron while using the product.

#### 6. **Accidental release Measures**

##### Personal protection

Appropriate protective equipment must be worn while handling spillage.

##### Procedure

Avoid un-necessary crowd around the affected area. Control spill by covering it with neutral substances like mud, clay, sand etc. Dispose off the material with neutral substance to safe area

#### 7. **Handling & Storage**

##### Storage Condition

Keep material in shade & avoid freezing

##### Handling procedure

Monomer vapours can evolve when material is subjected to heat during processing operations

#### 8. **Exposure Control, Personal Protection**

##### **Exposure Limit information**

	Flash Point	Boiling Point	Auto Ignition Temperature
Xylene	28°C	124°C	$\geq 200^{\circ}\text{C}$
1-Methoxy-2-propanol acetate	43°C	146°C	354°C
n-Butyl Acetate	22°C	126°C	420°C
Ethyl benzene	18°C	136°C	432°C

Respiratory protection

- Use air purifying

Eye protection

- Use safety glasses with side shields

Hand protection

- Use suitable hand gloves against permeation. Chemically resistant neoprene type gloves should be used.

Engineering Controls

- Use local ventilators

Other protective equipment

- Area where this material is stored & used should be equipped with an eyewash facility.

## 9. Physical And Chemical Properties

<b>Physical state</b>	Liquid	<b>Color</b>	Colorless
<b>Odour</b>	Ester type	<b>Density</b>	1.0 ± 0.05 gm /cc
<b>pH</b>	6 to 8	<b>Amine Value</b>	10 mg KOH / gm
<b>Brookfield Viscosity</b>	Below 500.0 cps	<b>Freezing point</b>	No data available
<b>Water solubility</b>	Insoluble	<b>NVM</b> (150°C for 20.0 min)	45%

## 10. Stability And Reactivity

Chemical stability : Stable under normal temperatures and pressures.

Conditions to Avoid: High Temperatures, incompatible materials and ignition sources.

## 11. Toxicological Information

The product is considered to be Non - toxic in nature.

More Details on Toxicology not available.

## 12. Ecological Information

The product is bio-degradable. However no information on the rate of biodegradability available.

## 13. Disposal Considerations

Dispose off as per local laws and regulation.

Additionally, waste generators must consult state and local hazardous waste regulation, ensure complete and accurate classification.

## 14. Transport Information

### **IATA-DGR**

UN/ID No. : UN 1993  
 Proper shipping name : Flammable liquid, n.o.s.  
 (Xylene, Butyl acetates)

Class	:	3
Packing group	:	III
Labels	:	Flammable liquid
Packing instruction (cargo aircraft)	:	366
Packing instruction (passenger aircraft)	:	355

**IMDG-Code**

UN number	:	UN 1993
Proper shipping name	:	FLAMMABLE LIQUID, N.O.S. (Xylene, BUTYL ACETATES)
Class	:	3
Packing group	:	III
Labels	:	3
EmS Code	:	F-E, S-E
Marine pollutant	:	no
Remarks	:	IMDG Code segregation group - none

**Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code**

Not applicable for product as supplied.

**National Regulations**

49 CFR

UN/ID/NA number	:	UN 1993
Proper shipping name	:	Flammable liquids, n.o.s. (Xylene, Butyl acetates)
Class	:	3
Packing group	:	III
Labels	:	Flammable liquid
ERG Code	:	128
Marine pollutant	:	no

**15. Regulatory Information**

No data available.

**16. Additional Information**

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