

# MATERIAL SAFETY DATA SHEET

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## 1. PRODUCT IDENTIFICATION

TRADE NAME : Direct Solvent Dye Ink

DSD9200A Y/M/C/MK/PK/R/B

## 2. COMPOSITION

Chemical Type : Solvent Dye Ink

Chemical Name	CAS #	%
Dye	N/A	1-10%
4-Hydroxy-4-methyl-2-pentanone	123-42-2	90-80%
Butyl cellosolve	111-76-2	5-10%

## 3. HAZARDOUS IDENTIFICATION

Health Rating : 1

Flammability : 2

Reactivity Rating : 0

Remaining components unknown, or < 1%

Critical hazards to man and the environment : Harmful if swallowed

Irritates the skin

#### **4. First Aid / Emergency Procedures**

EYE CONTACT : Flush eyes thoroughly with water. seek medical attention if irritation persists.

SKIN CONTACT : Wash contaminated areas with soap and water.

INHALATION : Remove from exposure to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen.

INGESTION : Never give anything by mouth to an unconscious person. Get medical aid immediately.

#### **5. FIRE-FIGHTING MEASURES**

Wear a self-contained breathing apparatus in pressure-demand, MSHA/NISOSH, and full protective gear.

Use water spray to keep fire-exposed containers cool. Combustible Liquid. May be ignited by heat, sparks, and flame. Containers may explode when heated. Extinguishing media : Used alcohol foam.

#### **6. ACCIDENTAL RELEASE MEASURES**

Spill/Leaks : Absorb spill with inert material, then place in suitable container. Clean up spills immediately,

observing precautions in the protective equipment section. Remove all sources of ignition.

Provide ventilation.

#### **7. Handling And Storage**

Handling : Protection against Fire and Explosion

Storage : Keep tightly closed in a dry and cool place.

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## 8. Exposure Controls and Personal Protection

May use with adequate ventilation and in closed system.

Preferable put on Safety glasses, rubber gloves and filter respirator

## 9. PHYSICAL AND CHEMICAL PROPERTIES

BOILING POINT, °C : 170

SPECIFIC GRAVITY : 0.9

MELTING POINT, °C : -50

WATER SOLUBILITY : N/A

VAPOR DENSITY : (Air=1) : 4.0

VAPOR PRESSURE : 3.2 mmHg

Flash Point, °C : 61

APPEARANCE/ODOR : Colored liquid, Fruity odor

EVAPORATION RATE : < Butyl Acetate

## 10. Stability And Reactivity

STABILITY : Stable under normal temperatures and pressures.

CONDITIONS TO AVOID : Incompatible materials, ignition sources, excess heat,  
strong oxidants.

HAZARDOUS DECOMPOSITION PRODUCTS : Oxides of carbon and Nitrogen.

HAZARDOUS POLYMERIZATION : Will Not Occur

## **11. Toxicological Information**

Corrosive and Irritant Properties : Not available

Acute inhalation hazard : no data available

## **12. Ecological Information**

Will not pollute the effluent provided it is processed correctly

## **13. Disposal Considerations.**

Must be dumped or incinerated in accordance with local regulations.

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## **14. Transport information**

Any transportation's practice must be in compliance with local ,state or federal laws and regulations.

Not classified as hazardous under transport regulations

## **15. Regulatory Information**

Follow all regulations in your country.

## **16. Other Information**

The information herein is given in good faith, but no warranty express or implied, is made.

Recipients of our product must take responsibility for observing existing laws and regulations.

