



MATERIAL SAFETY DATA

1.0 IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Identification of the substance/preparation : **TULACID DYES**

Use of substance / Preparation : Textile Colorant

Company / undertaking Identification : **ATUL Limited, Colors Division.**

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2.0 COMPOSITION / INFORMATION ON INGREDIENTS

A preparation containing acid dye

Component and their concentration : -- CAS No. [*]

Symbol : [*]

Product Code No. : [*]

EINECS No. : -----

Hazardous / dangerous ingredient(s) (As per Directive 1999 / 45 / EC) : None IUPAC No. : --

3.0 HAZARDS IDENTIFICATION

This health hazard assessment is based on a consideration of the composition of this product. Unlikely to cause harmful effects under normal conditions of handling and use.

4.0 FIRST-AID MEASURES

Inhalation : Remove patient from exposure. Obtain medical attention if ill effects occur.

Skin Contact : Remove contaminated clothing. Wash skin with water. If Symptoms develop, obtain medical attention. Contaminated clothing should be laundered before re-issue.

Eye Contact : Irrigate promptly with copious amount of clean water. Obtain medical attention.

Ingestion : Wash out mouth with water and give 200-300 ml (half a pint) of water to drink. Do not induce vomiting. Obtain medical attention if ill effects occur.

Further Medical Treatment : Symptomatic treatment and supportive therapy is indicated.

PRODUCT NAME : ACID DYES

5.0 FIRE-FIGHTING MEASURE

The material may form flammable dust clouds in air.

Extinguishing media : Water spray, foam, dry powder or carbon dioxide.

Fire Fighting Protective equipment : A self contained breathing apparatus and suitable protective clothing should be worn if involved in fire with other materials.

6.0 ACCIDENTAL RELEASE MEASURES

Protect against dust. Ensure suitable personal protection during removal of spillages. Clear up spillages and transfer to a container for disposal. Wash the spillage area clean.

7.0 HANDLING AND STORAGE

Handling & Spillages : Control dust formation. Avoid contact with skin & eyes. Avoid inhalation of high concentration of dust. Take precautionary measures against static discharges.

Incompatible Materials : None

Storage : Keep container tightly closed and store in well ventilated area.

Specific use (Other than 1.0) : None

8.0 EXPOSURE CONTROL / PERSONAL PROTECTION.

Exposure Limit Values	LTEL 8 HR TWA		STEL		Time Std.
	ppm	Mg/m3	ppm	Mg/m3	

Exposure Controls : Refer 6.0 and 7.0 above

Wear protective equipment to comply with good occupational hygiene practice.

Respirators : Wear suitable respiratory protective equipment if exposure to high level of dust is likely.

Eye Protection : The use of safety goggles is recommended.

Skin Protection : The use of hand gloves and apron is recommended to avoid skin contact.

PRODUCT NAME : ACID DYES**9.0 PHYSICAL AND CHEMICAL PROPERTIES**

Form	: Solid
Color	: [* }
Odour	: None
pH (Value)	: 7.0-10.5 (10 g/l water)
Boiling Point Deg. C.	: Not applicable
Melting Point Deg. C.	: Decomposes above 250
Flash Point Deg. C.	: Not applicable
Flammability	: Not available
Auto Ignition Temp. Deg. C.	: No data
Explosive Properties	: See "Fire-Fighting Measure"
Oxidizing Properties	: None known
Vapour Pressure (mm hg)	: Not applicable
Density (g / ml) / Relative Density	: 0.3-1.0 (Bulk density)
Solubility (Water)	: 10-40 g/l at 30 Deg. C.
Solubility (Other)	: [*]
Partition Coefficient (n-octanol/water)	: [*]
Evaporation Rate	: [*]
Vapour Density	: [*]

10.0 STABILITY AND REACTIVITY

Hazardous Reactions	: None known
Hazardous Decomposition Product(s)	: None known
Conditions to avoid	: None known

11.0 TOXICOLOGICAL INFORMATION

Inhalation	: Unlikely to be irritant
Skin Contact	: Unlikely to cause skin irritation
Eye Contact	: May cause eye irritation
Ingestion	: Unlikely to be hazardous if swallowed Oral Median Lethal Dose > 2,000 mg/kg (rat).
Chronic Effect	: None known
Other Information	: --

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12.0 ECOLOGICAL INFORMATION

Persistence and Degradation

Color removal (activated sludge test)	: [*]
Chemical Oxygen Demand	: 0.4-2.0 gO2/g.
Biological Oxygen Demand (COD) (BOD 5 DAY)	: [*]
LC50 (Rainbow rout) (96 hours)	: >100 mg/l.
LD50	: >2000 mg/kg.
ECO Toxicity	: [*]
Mobility	: [*]
Bioaccumulative Potential	: Not known
Other Adverse Effect	: Not known

13.0 DISPOSAL CONSIDERATIONS

Disposal should be in accordance with local, state or national legislation.

14.0 TRANSPORT INFORMATION

Not Classified as Hazardous for Transportation

16.0 OTHER INFORMATION

[*] Information / priorities are product specific.

This MSDS Is prepared as per commission directive 2001 / 58 / EC dated 27-07-2001)
(2nd Amendment) to 91 / 155 / EEC.

ATUL ACID is the trade name for direct dyes from Atul Limited.

Information contained herein is based on the present state of our knowledge & experience and is intended to describe our product with respect to possible safety demands. Therefore, does not guarantee certain properties. Recipients of our product must take responsibility for observing existing laws and regulations.