



**aalfa**  
**dyes & chemicals**

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## **MATERIAL SAFETY DATA SHEET**

### **PART 1. IDENTIFICATION OF SUBSTANCE / PREPARATION :**

Product Name : Gama ENZ  
Manufacturer : Aalfa Dyes & Chemicals

### **PART 2. COMPOSITION / INFORMATION ON INGREDIENTS**

### **PART 3. HAZARDS IDENTIFICATION**

3.1 HEALTH HAZARD DATA : Non- Hazardous

Swallowing : May cause irritation of the mouth, throat, and esophagus. Abdominal discomfort, nausea and vomiting may occur.

Skin absorption : No evidence of harmful effects from available information.

Inhalation : Short-term harmful health effects are not protected from vapour generated at ambient temperature.

Skin Contact : Brief contact is not irritating, Prolonged contact causes mild to moderate local redness and swelling, Effects may be delayed, Effects may be prolonged

Eye Contact : Causes irritation, experienced as stinging and discomfort or pain excess redness and swelling of the conjunctive may occur.

### **PART 4. FIRST AID MEASURES**

4.1 Swallowing : Rinse mouth and induce vomiting. However, never give water or induce vomiting if victim is unconscious or convulsing.

4.2 Inhalation : Remove to fresh air. If breathing is difficult, give oxygen respiration. Seek medical attention if adverse effect occurs or continues.

4.3 Skin contact : Remove affected clothing and wash all exposed area with soap and water. If irritation develops, consult physician.

4.4 Notes to physician : There is no specific antidote. Treatment of overexposure should be directed at the control of symptoms and the clinical condition of the patient.

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

5.1 Extinguishing media : Carbon dioxide, dry chemical, universal foam, water fog, CO<sub>2</sub>, etc.

5.2 Extinguishing media to be avoided : None.

5.3 Special fire fighting procedures : None.

5.4 Special protective equipment for : Use self-contained breathing firefighters apparatus when fighting fires in enclosed areas.

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

\* Steps to be taken if material is released or spilled  
\* Collect for disposal.  
\* Wear suitable protective equipment.

<b>PART 7. HANDLING AND STORAGE</b>	
7.1 Handling	: General handling precautions:-Avoid contact with eyes, skin and clothing. Wash thoroughly after handling
7.2 Ventilation	: General (mechanical) room ventilation is expected to be satisfactory.
7.3 Storage	: Do not store at temperatures below +4°C
<b>PART 8. EXPOSURE CONTROLS/PERSONAL PROTECTION</b>	
8.1 Exposure limits	: No exposure limits have been established.
8.2 Personal protection	: Respiratory protection : -None expected to be needed.
protection/protective gloves	: PVC-coated
Eye protection	: Monogoggles
<b>PART 9. PHYSICAL AND CHEMICAL PROPERTIES</b>	
Physical state	: Liquid
Color	: Yellow Brown Liquid
Odour	: Mild
Molecular weight	: N.A.
Boiling point	: (estimated) > 100°C at 1013 hPa
Freezing point	: +/-0 °C
Flash point	: 190°C
Evaporation rate	: Not determined
(butyl acetate=1)	:
Solubility in water	:
(% by weight)	: Readily miscible with water
Percent volatiles	: Not determined
<b>PART 10. STABILITY AND REACTIVITY</b>	
10.1 Stability	: Conditions to avoid -Temperatures below +4°C
10.2 Polymerization	: Conditions to avoid-None known.
<b>PART 11. TOXICOLOGICAL INFORMATION : Non toxic</b>	
<b>PART 12. ECOLOGICAL INFORMATION</b>	
Biodegradation	: Under study
Eco-toxicological Effects	: No data known
Ecological information	: Do not introduce into water and into soil
<b>PART 13. DISPOSAL CONSIDERATIONS</b>	
Waste disposal method(s)	: Incinerate in a furnace where permitted under national and local regulations.
<b>PART 14. TRANSPORT INFORMATION : Not restricted by Surface/Air /Sea</b>	
<b>PART 15. REGULATORY INFORMATION</b>	
15.1 Hazard classification	: According to eco-regulations this product is not classified or labelled. As hazardous protect from frost for industrial use only.
15.2 Regulatory data	: All other national and local regulations, if applicable to the use, transport or disposal of this product, should be observed
<b>PART 16. OTHER INFORMATION</b>	
<p>Recommended uses and restrictions: Please consult the product and/or application information bulletins for this product. Believes that the information contained within is accurate as at the date hereof. No warranty or fitness for particular purpose, warranty of merchantability or any other warranty express or implied is made concerning this information. The information provided herein relates only to the specific products described &amp; may not valid where such product is used in combination with any other materials or any process. Since the conditions &amp; methods of use of the products are beyond the control. It expressly disclaims any &amp; all liability as to any results obtain or arising from any use of the product on such information.</p>	