

**MATERIAL SAFETY DATA SHEET**  
**OF**  
**ACID BLUE 113**

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**1 - PRODUCT AND COMPANY INFORMATION**

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PRODUCT NAME ACID BLUE 113 (C.I. 26360)  
PRODUCT NUMBER 210439  
COMPANY SAUJANYA EXPORT  
TEL 91-79-29702047 (AHMEDABAD – GUJARAT)  
FAX 91-79-29702047 (AHMEDABAD – GUJARAT)

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**2 - HAZARDS IDENTIFICATION- N.A**

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**3 - COMPOSITION/INFORMATION ON INGREDIENTS**

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PRODUCT NAME CAS # EC NO ANNEX I  
INDEX NUMBER  
ACID BLUE 113 (C.I. 26360) 3351-05-1 222-111-5 NONE  
FORMULA C<sub>32</sub>H<sub>23</sub>N<sub>5</sub>O<sub>6</sub>S<sub>2.2</sub>NA  
MOLECULAR WEIGHT 681,6600 AMU

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**4 - FIRST AID MEASURES**

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AFTER INHALATION  
IF INHALED, REMOVE TO FRESH AIR. IF NOT BREATHING GIVE  
ARTIFICIAL RESPIRATION. IF BREATHING IS DIFFICULT, GIVE OXYGEN.  
AFTER SKIN CONTACT  
IN CASE OF CONTACT, IMMEDIATELY WASH SKIN WITH SOAP AND COPIOUS  
AMOUNTS OF WATER.  
AFTER EYE CONTACT  
IN CASE OF CONTACT, IMMEDIATELY FLUSH EYES WITH COPIOUS AMOUNTS  
OF WATER FOR AT LEAST 15 MINUTES.  
AFTER INGESTION  
IF SWALLOWED, WASH OUT MOUTH WITH WATER PROVIDED PERSON IS  
CONSCIOUS. CALL A PHYSICIAN.

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**5 - FIRE FIGHTING MEASURES**

**EXTINGUISHING MEDIA**

SUITABLE: WATER SPRAY. CARBON DIOXIDE, DRY CHEMICAL POWDER, OR  
APPROPRIATE FOAM.

**SPECIAL RISKS**

SPECIFIC HAZARD(S): EMITS TOXIC FUMES UNDER FIRE CONDITIONS.  
SPECIAL PROTECTIVE EQUIPMENT FOR FIREFIGHTERS

WEAR SELF-CONTAINED BREATHING APPARATUS AND PROTECTIVE CLOTHING TO PREVENT CONTACT WITH SKIN AND EYES.



**Manufacturers & Exporters of: Food Colours, Pigment Powders, Dyes & Dye Intermediates**  
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## 6 - ACCIDENTAL RELEASE MEASURES

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### PROCEDURE(S) OF PERSONAL PRECAUTION(S)

WEAR RESPIRATOR, CHEMICAL SAFETY GOGGLES, RUBBER BOOTS, AND HEAVY RUBBER GLOVES.

### METHODS FOR CLEANING UP

SWEEP UP, PLACE IN A BAG AND HOLD FOR WASTE DISPOSAL. AVOID RAISING DUST. VENTILATE AREA AND WASH SPILL SITE AFTER MATERIAL PICKUP IS COMPLETE.

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## 7 - HANDLING AND STORAGE

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### HANDLING

DIRECTIONS FOR SAFE HANDLING: AVOID INHALATION. AVOID CONTACT WITH EYES, SKIN, AND CLOTHING. AVOID PROLONGED OR REPEATED EXPOSURE.

### STORAGE

CONDITIONS OF STORAGE: KEEP TIGHTLY CLOSED. STORE IN A COOL DRY PLACE.

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## 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

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### ENGINEERING CONTROLS

SAFETY SHOWER AND EYE BATH. MECHANICAL EXHAUST REQUIRED.

### GENERAL HYGIENE MEASURES

WASH THOROUGHLY AFTER HANDLING. WASH CONTAMINATED CLOTHING BEFORE REUSE.

### PERSONAL PROTECTIVE EQUIPMENT

RESPIRATORY PROTECTION: USE RESPIRATORS AND COMPONENTS TESTED AND

APPROVED UNDER APPROPRIATE GOVERNMENT STANDARDS SUCH AS NIOSH (US)

OR CEN (EU). RESPIRATORY PROTECTION IS NOT REQUIRED. WHERE PROTECTION IS DESIRED, USE MULTI-PURPOSE COMBINATION (US) OR TYPE ABEK (EN 14387) RESPIRATOR CARTRIDGES.

HAND PROTECTION: COMPATIBLE CHEMICAL-RESISTANT GLOVES.

EYE PROTECTION: CHEMICAL SAFETY GOGGLES.

## 9 - PHYSICAL AND CHEMICAL PROPERTIES

PH N/A  
BP/BP RANGE N/A  
MP/MP RANGE N/A  
FLASH POINT N/A  
FLAMMABILITY N/A  
AUTOIGNITION TEMP N/A  
OXIDIZING PROPERTIES N/A  
EXPLOSIVE PROPERTIES N/A  
EXPLOSION LIMITS N/A  
VAPOR PRESSURE N/A  
PARTITION COEFFICIENT N/A

VISCOSITY N/A  
VAPOR DENSITY N/A  
SATURATED VAPOR CONC. N/A  
EVAPORATION RATE N/A  
BULK DENSITY N/A  
DECOMPOSITION TEMP. N/A  
SOLVENT CONTENT N/A  
WATER CONTENT N/A  
SURFACE TENSION N/A  
CONDUCTIVITY N/A  
MISCELLANEOUS DATA N/A  
SOLUBILITY N/A

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## 10 - STABILITY AND REACTIVITY

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### STABILITY

MATERIALS TO AVOID: STRONG OXIDIZING AGENTS.  
HAZARDOUS DECOMPOSITION PRODUCTS  
HAZARDOUS DECOMPOSITION PRODUCTS: CARBON MONOXIDE, CARBON DIOXIDE,  
NITROGEN OXIDES, SULFUR OXIDES.

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## 11 - TOXICOLOGICAL INFORMATION

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### SIGNS AND SYMPTOMS OF EXPOSURE

TO THE BEST OF OUR KNOWLEDGE, THE CHEMICAL, PHYSICAL, AND TOXICOLOGICAL PROPERTIES HAVE NOT BEEN THOROUGHLY INVESTIGATED.

### ROUTE OF EXPOSURE

SKIN CONTACT: MAY CAUSE SKIN IRRITATION.

EYE CONTACT: MAY CAUSE EYE IRRITATION.

MULTIPLE ROUTES: MAY BE HARMFUL BY INHALATION, INGESTION, OR SKIN ABSORPTION.



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## 12 - ECOLOGICAL INFORMATION

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NO DATA AVAILABLE.

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## 13 - DISPOSAL CONSIDERATIONS

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### SUBSTANCE DISPOSAL

DISSOLVE OR MIX THE MATERIAL WITH A COMBUSTIBLE SOLVENT AND BURN IN A CHEMICAL INCINERATOR EQUIPPED WITH AN AFTERBURNER AND SCRUBBER. OBSERVE ALL FEDERAL, STATE, AND LOCAL ENVIRONMENTAL REGULATIONS.

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## 14 - TRANSPORT INFORMATION

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### RID/ADR

NON-HAZARDOUS FOR ROAD TRANSPORT.

### IMDG

NON-HAZARDOUS FOR SEA TRANSPORT.

### IATA

NON-HAZARDOUS FOR AIR TRANSPORT.

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## 15 - REGULATORY INFORMATION

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### COUNTRY SPECIFIC INFORMATION

#### GERMANY

WGK: 1

ID-NUMBER: 6735

CLASSIFICATION ACCORDING TO APPENDIX 3.

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## 16 - OTHER INFORMATION

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### WARRANTY

THE ABOVE INFORMATION IS BELIEVED TO BE CORRECT BUT DOES NOT PURPORT TO BE ALL INCLUSIVE AND SHALL BE USED ONLY AS A GUIDE. THE INFORMATION IN THIS DOCUMENT IS BASED ON THE PRESENT STATE OF OUR KNOWLEDGE AND IS APPLICABLE TO THE PRODUCT WITH REGARD TO APPROPRIATE SAFETY PRECAUTIONS. IT DOES NOT REPRESENT ANY GUARANTEE OF THE PROPERTIES OF THE PRODUCT. SIGMA-ALDRICH INC., SHALL NOT BE HELD LIABLE FOR ANY DAMAGE RESULTING FROM HANDLING OR FROM CONTACT WITH THE ABOVE PRODUCT. SEE REVERSE SIDE OF INVOICE OR PACKING SLIP FOR ADDITIONAL TERMS AND CONDITIONS OF SALE.

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