

# MATERIAL SAFETY DATA SHEET

Date Issued: 07/27/2012  
MSDS No: X-1 CATALYST

## 1. PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT DESCRIPTION:** X-1 CATALYST  
**PRODUCT CODE:** X-1 CATALYST

### MANUFACTURER

IGS, INC.  
200 Country Club Rd.  
Meadow Lands, PA 15347  
**Service Number:** 1-724-222-5800

### 24 HR. EMERGENCY TELEPHONE NUMBERS

1-724-222-5800

## 2. HAZARDS IDENTIFICATION

### POTENTIAL HEALTH EFFECTS

**EYES:** Contact may cause eye irritation.

**SKIN:** May cause skin irritation.

**INGESTION:** Do not induce vomiting, seek medical attention.

**INHALATION:** Remove to fresh air. Vapors may irritate mucous membranes. Seek medical attention if breathing becomes irregular or person becomes unconscious.

### SIGNS AND SYMPTOMS OF OVEREXPOSURE

**MUTAGENICITY:** Possible mutagenic for bacteria and/or yeast.

## 3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	Wt.%	CAS	EINECS
Hexamine	20-40%	100-97-0	202-905-8

## 4. FIRST AID MEASURES

**EYES:** Flush with water for 15 minutes. Seek medical attention.

**SKIN:** Wash with soap and water. Get medical attention if irritation develops or persists.

**INGESTION:** Get immediate medical attention. Do not induce vomiting unless instructed to do so by poison center or physician.

**INHALATION:** Move to fresh air. Seek medical attention if breathing becomes irregular or becomes unconscious.

## 5. FIRE FIGHTING MEASURES

**FLAMMABLE LIMITS:** Not Flammable, water based solution.

## 6. ACCIDENTAL RELEASE MEASURES

**SMALL SPILL:** Mop up area and dispose of in accordance with local, state, and federal regulations.

## 7. HANDLING AND STORAGE

**STORAGE TEMPERATURE:** (40°F) Minimum to (100°F) Maximum

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

### PERSONAL PROTECTIVE EQUIPMENT

**EYES AND FACE:** Safety glasses.

**SKIN:** Protective gloves such as latex, nitrile, or any other chemically resistant material to prevent

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material from contacting skin.

**WORK HYGIENIC PRACTICES:** Always adhere to general workplace hygienic practices including washing before eating or smoking.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**ODOR:** Slight Amine odor.

**APPEARANCE:** Liquid.

**COLOR:** Blue.

**BOILING POINT:** > (212°F)

**SOLUBILITY IN WATER:** Soluble

**EVAPORATION RATE:** ~ 1 Water = 1

## 10. STABILITY AND REACTIVITY

**HAZARDOUS DECOMPOSITION PRODUCTS:** Will release formeldahyde when exposed to strong acids.

**INCOMPATIBLE MATERIALS:** Strong acids/oxidizers.

## 11. TOXICOLOGICAL INFORMATION

**GENERAL COMMENTS:** No LD50/LC50 information established relating to normal routes of occupational exposure.

## 12. ECOLOGICAL INFORMATION

**ENVIRONMENTAL DATA:** Not Established

## 13. DISPOSAL CONSIDERATIONS

**DISPOSAL METHOD:** Dispose of in accordance to local sanitary regulations.

## 14. TRANSPORT INFORMATION

### DOT (DEPARTMENT OF TRANSPORTATION)

**PRIMARY HAZARD CLASS/DIVISION:** Not classified as hazardous.

**OTHER SHIPPING INFORMATION:** Not classified as a hazardous compound. Material is able to be air freighted without restriction.

### VESSEL (IMO/IMDG)

**PRIMARY HAZARD CLASS/DIVISION:** Not classified as hazardous.

**NOTE:** This product is not classified as hazardous. It can be shipped by air freight, vessel, or any other means.

### CANADA TRANSPORT OF DANGEROUS GOODS

**PRIMARY HAZARD CLASS/DIVISION:** Not classified as hazardous.

**TDG NOTE:** Not classified as a hazardous material. Product is able to be air, rail, or truck freighted.

## 15. REGULATORY INFORMATION

### UNITED STATES

#### SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)

**TITLE III NOTES:** Not listed for annual reporting.

#### TSCA (TOXIC SUBSTANCE CONTROL ACT)

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<b>Chemical Name</b>	<b>CAS</b>
Hexamine	100-97-0

**TSCA REGULATORY:** All ingredients are listed on the TSCA Inventory of chemical Substances.

**CALIFORNIA PROPOSITION 65:** Not listed.

**CANADA**

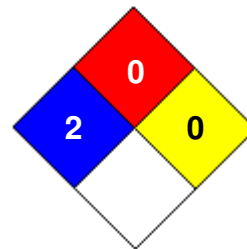
**WHMIS CLASS:** D-2B

## 16. OTHER INFORMATION

### HMIS RATING

<b>HEALTH:</b>	<b>2</b>
<b>FLAMMABILITY:</b>	<b>0</b>
<b>PHYSICAL HAZARD:</b>	<b>0</b>
<b>PERSONAL PROTECTION:</b>	<b>B</b>

### NFPA CODES



**NFPA STORAGE CLASSIFICATION:** Not classified as a hazardous or regulated material.

**HMIS RATINGS NOTES:**

## HAZARDOUS MATERIALS IDENTIFICATION SYSTEM

HAZARD INDEX		PERSONAL PROTECTION INDEX	
4 = SEVERE HAZARD	An asterisk(*) or other designation corresponds to additional information on a data sheet or separate chronic effects notification	<b>A</b>	<b>A</b>
3 = SERIOUS HAZARD		<b>B</b>	<b>B</b>
2 = MODERATE HAZARD		<b>C</b>	<b>C</b>
1 = SLIGHT HAZARD		<b>D</b>	<b>D</b>
0 = MINIMAL HAZARD	Additional Information	<b>E</b>	<b>E</b>
		<b>F</b>	<b>F</b>
		<b>G</b>	<b>G</b>
		<b>H</b>	<b>H</b>
		<b>I</b>	<b>I</b>
		<b>J</b>	<b>J</b>
		<b>K</b>	<b>K</b>
		<b>X</b> Consult your supervisor or S.O.P. for "SPECIAL" handling directions	<b>X</b> Consult your supervisor or S.O.P. for "SPECIAL" handling directions

PERSONAL PROTECTION EQUIPMENT			
<b>A</b> Safety Glasses	<b>n</b> Splash Goggles	<b>o</b> Face Shield & Eye Protection	<b>p</b> Gloves
<b>q</b> Boots	<b>r</b> Synthetic Apron	<b>s</b> Full Suit	<b>t</b> Oral Respirator
<b>u</b> Vapor Respirator	<b>w</b> Oral & Vapor Respirator	<b>y</b> Full Face Respirator	<b>z</b> Airbox Hood or Mask

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