

# MATERIAL SAFETY DATA SHEET

## SECTION I - MATERIAL IDENTIFICATION AND INFORMATION

Manufacturer's Name: Flat Seal Group Inc. 7311  
Address: NW 12th ST Suite 14  
Miami, FL. 33126  
Telephone Number: 305-463-0861

Effective Date: December, 2000  
Revised Date: January 1, 2006

Trade Name: Flat Seal (100)  
Product Type: This Product is an Ethylene Glycol Solution  
DOT Classification: None Needed

## SECTION II - HAZARDOUS INGREDIENTS

HAZARDOUS COMPONENTS	HAZARDOUS %	TLV (UNITS)	PROD. CAS#
NONE			

## SECTION III - PHYSICAL DATA

PRODUCT DESCRIPTION: WHITE OR BLUE/BLAND ODOR  
SOLUBILITY IN WATER: 80%  
BOILING POINT: (oF): <350 DEG. F  
FLASH POINT: NONE TO BOIL  
SPECIFIC GRAVITY: (H2O = 1): 1.5  
ph: 8.25  
EVAPORATION RATE: NONE IN USE  
VOLATILITY: (%): 78%  
VAPOR PRESSURE: <80 MM AT 100 F  
FREEZING POINT: (oF) : <-38 DEGREES C  
MELTING POINT: LIQUID AT ROOM TEMPERATURE  
VAPOR DENSITY: (AIR = 1): 1.8

## SECTION IV - FIRE & EXPLOSION HAZARD DATA

FLAMMABLE LIMITS: LEI - N/A UEL - N/A  
EXTINGUISHING MEDIA: WATER, FOAM, AND CARBON DIOXIDE  
FIRE FIGHTING METHOD: N/A  
EXPLOSION HAZARDS: NON HAZARDOUS  
AUTO IGNITION TEMPERATURE: N/A

## **SECTION V - REACTIVITY DATA**

STABILITY: STABLE  
CONDITIONS TO AVOID: CONTACT WITH ANY CHEMICALS LISTED IN MATERIALS TO AVOID  
MATERIALS TO AVOID: AVOID STRONG ACIDS AND PEROXIDES  
HAZARDOUS POLYMERIZATION: WILL NOT OCCUR  
HAZARDOUS DECOMPOSITION PRODUCTS: WATER, CARBON DIOXIDE

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## **SECTION VI - HEALTH HAZARD DATA**

POSSIBLE ROUTES OF ENTRY: INHALATION-NO INGESTION-YES SKIN - NO  
ACUTE HEALTH HAZARD: MAY CAUSE IRRITATION TO EYES  
CHRONIC HEALTH HAZARD: NONE FOR NORMAL USE  
CARCINOGENICITY: NTP-NO IARC MONOGRAPHS-NO OSHA REGULATED- NO

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## **SECTION VII - SYMPTOMS OF EXPOSURE**

EYES: IMMEDIATE BURNING  
SKIN: POSSIBLE IRRITATION  
INGESTION: N/K  
INHALATION: N/K  
CONDITIONS  
AGGRAVATED BY EXPOSURE: N/K

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## **SECTION VIII - FIRST AID**

SKIN: WASH WITH SOAP AND WATER  
EYES: FLUSH EYE WITH WATER FOR 15 MINUTES. IF IRRITATION PERSISTS, SEEK MEDICAL ATTENTION.  
INHALATION: FRESH AIR  
INGESTION: DRINK A LARGE AMOUNT OF WATER, SEEK MEDICAL ATTENTION FOR FURTHER TREATMENT, OBSERVATION AND SUPPORT IF NECESSARY.

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## **SECTION IX - SPILL, LEAK, AND DISPOSAL INFORMATION**

SPILL SAFETY: DILUTE WITH PLENTY OF WATER. DO NOT FLUSH TO SEWER WITHOUT FIRST NOTIFYING APPROPRIATE GOVERNMENT AGENCIES. COMPLY WITH ALL GOVERNMENTAL REGULATIONS ON SPILL REPORTING, HANDLING AND DISPOSAL OF WASTE.  
DISPOSAL INFORMATION: DISPOSE IN A MANNER CONSISTENT WITH LOCAL, STATE, AND FEDERAL REGULATIONS.  
STORAGE AND HANDLING: STORE IN COOL/DRY PLACE. KEEP AWAY FROM FOODSTUFF. DO NOT GET IN EYES.

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## SECTION X - SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION: NONE NECESSARY  
VENTILATION: USE IN A WELL VENTILATED AREA.  
PROTECTIVE EQUIPMENT REQUIRED: EYE PROTECTION GOGGLES REQUIRED.  
GLOVES NOT REQUIRED, BUT ADVISABLE  
IF PROLONGED CONTACT OCCURS.

## SECTION XI - SHIPPING INFORMATION

DOT LABEL: NOT REQUIRED  
CORROSIVE: NO  
OXIDIZER: NO  
POISON: NO  
FLAMMABLE: NO  
U.N. NUMBER: NOT REQUIRED

## SECTION XII - HMIS HAZARD RATING

HEALTH: 0 FLAMMABILITY: 2  
REACTIVITY: 1 SPECIAL HAZARD: NONE

## SECTION XIII - SPECIAL INFORMATION

NOT APPLICABLE: N/A NOT KNOWN: N/K NOT DETERMINED: N/D

## SECTION XIV - ADDITIONAL INFORMATION

THIS INFORMATION IS FURNISHED GRATUITOUSLY, INDEPENDENT OF ANY SALE, AND FOR YOUR INDEPENDENT VERIFICATION. ALTHOUGH WE BELIEVE THE DATA TO BE CORRECT AS OF THE DATE INDICATED, WE MAKE NO REPRESENTATION AS TO ITS ACCURACY AND SUCH INFORMATION MAY NOT BE VALID WHEN PRODUCT IS USED IN ANY PROCESS OR COMBINED WITH OTHER MATERIALS. **NO REPRESENTATION(S), GUARANTEE(S), OR WARRANTY, EITHER EXPRESSED, IMPLIED, OR OF ANY NATURE, IS MADE WITH RESPECT TO THE PRODUCT OR DATE PROVIDED.**