

# HYDROSORB™ Inc.

## MATERIAL SAFETY DATA SHEET

HYDROSORB™ Inc.  
1390 N. MANZANITA ST.  
ORANGE, CA 92867  
714/771-6040

EMERGENCY: 949/582-3100

PRODUCT: **HYDROSORB 2001F**

CHEMICAL NAME: SUPERABSORBENT POLYACRYLAMIDE

FORMULA: CROSSLINKED COPOLYMER OF ACRYLAMIDE & POTASSIUM ACRYLATE

REV. JANUARY 2002

### COMPOSITION/INGREDIENTS INFORMATION

C, H, O, N, K (carbon, hydrogen, oxygen, nitrogen, potassium)

### HAZARDS IDENTIFICATION

THE PRODUCT, WHEN WET, RENDERS SURFACES EXTREMELY SLIPPERY

THE PRODUCT SWELLS IN WATER

### FIRST AID MEASURES

INHALATION:

SKIN CONTACT:

EYE CONTACT:

INGESTION:

NO HAZARDS REQUIRING SPECIAL FIRST AID MEASURES  
NO HAZARDS REQUIRING SPECIAL FIRST AID MEASURES  
RINSE THOROUGHLY WITH PLENTY OF WATER,  
INCLUDING UNDER THE EYELIDS. IN CASE OF PERSIS-  
TENT EYE IRRITATION GET MEDICAL ATTENTION.  
THE PRODUCT IS NOT CONSIDERED TOXIC BASED ON  
STUDIES ON LABORATORY ANIMALS

## FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA:	CARBON DIOXIDE, FOAM, DRY POWDER, WATER SPRAY
FIRE EXTINGUISHING AGENTS TO AVOID:	NONE
SPECIAL FIRE FIGHTING PRECAUTIONS:	THE PRODUCT, WHEN WET, RENDERS SURFACES EXTREMELY SLIPPERY; THE PRODUCT SWELLS IN WATER
PROTECTIVE EQUIPMENT REQUIRED:	NO SPECIAL PROTECTIVE EQUIPMENT REQUIRED

## ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS:	NO SPECIAL PRECAUTIONS REQUIRED
ENVIRONMENTAL PRECAUTIONS:	DO NOT CONTAMINATE WATER
METHODS FOR CONTAINMENT/CLEANUP:	CLEAN UP PROMPTLY BY SCOOP OR VACUUM. KEEP IN SUITABLE, CLOSED CONTAINERS FOR DISPOSAL. FLUSH AWAY TRACES WITH WATER ONCE CLEANING COMPLETE <b>ONLY</b> .

## HANDLING & STORAGE

HANDLING:	AVOID CONTACT WITH SKIN & EYES. AVOID DUST FORMATION; DO NOT BREATHE DUST. WASH HANDS BEFORE BREAKS AND AT WORKDAY'S END.
STORAGE:	KEEP IN A COOL, DRY PLACE (0-35°C)

## EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS:	USE LOCAL EXHAUST IF DUSTING OCCURS. NATURAL VENTILATION IS ADEQUATE IN ABSENCE OF DUST.
PERSONAL PROTECTION EQUIPMENT	
RESPIRATORY PROTECTION:	DUST MASK RECOMMENDED WHERE DUST CONCENTRATION EXCEEDS 10 mg/m <sup>3</sup>
HAND PROTECTION:	GLOVES RECOMMENDED
EYE PROTECTION:	SAFETY GLASSES W/ SIDE SHIELDS; DO <b>NOT</b> WEAR CONTACT LENSES
SKIN PROTECTION:	NO SPECIAL PROTECTIVE CLOTHING REQUIRED
HYGIENE MEASURES:	WASH HANDS BEFORE BREAKS AND AT WORKDAY'S END. HANDLE IN ACCORDANCE W/ GOOD INDUSTRIAL HYGIENE & SAFETY PRACTICES.

## PHYSICAL CHARACTERISTICS

APPEARANCE/ODOR:	WHITE GRANULAR SOLID/NO ODOR
FLASH POINT:	N/A
MELTING POINT:	N/A
AUTOIGNITION TEMPERATURE:	N/A
BULK DENSITY:	~0.85
VAPOR PRESSURE:	N/A (mm Hg/20°C)
SOLUBILITY IN WATER:	INSOLUBLE

## STABILITY & REACTIVITY

STABILITY:	STABLE
CONDITIONS TO AVOID:	NO SPECIAL PRECAUTIONS REQUIRED; PRODUCT SWELLS IN WATER
HAZARDOUS DECOMPOSITION PRODUCTS:	NITROGEN OXIDES, CARBON OXIDES, HYDROGEN CYANIDE (HYDROCYANIC ACID) MAY BE PRODUCED BY THERMAL DECOMPOSITION
HAZARDOUS POLYMERIZATION:	WILL NOT OCCUR

## TOXICOLOGICAL INFORMATION

### ACUTE TOXICITY

ORAL:	NOT TOXIC: LD50/ORAL/RAT >5000 mg/kg
DERMAL:	NOT TOXIC: LD50/DERMAL/RABBIT >2000 mg/kg

### IRRITATION

SKIN:	NOT IRRITATING
EYES:	MODERATE EYE IRRITATION DUE TO EFFECTS ALL POWDERS HAVE ON CONJUNCTIVAE

SENSITIZATION:	NOT SENSITIZING
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## ECOLOGICAL INFORMATION

ECOTOXICITY:	ECOLOGICAL INJURIES ARE NOT KNOWN OR EXPECTED UNDER NORMAL USE; AQUATIC TOXICITY IS UNLIKELY DUE TO LOW SOLUBILITY
PERSISTENCE/DEGRADABILITY:	NOT READILY BIODEGRADABLE (<10% AFTER 28 DAYS)

## DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHODS: DISPOSE OF IN ACCORDANCE WITH LOCAL, STATE, AND FEDERAL REGULATIONS  
CONTAMINATED PACKAGING: CAN BE LANDFILLED OR INCINERATED WHEN IN COMPLIANCE WITH LOCAL REGULATIONS

## TRANSPORT INFORMATION

NOT REGULATED BY DOT

## REGULATORY INFORMATION

ALL COMPONENTS OF THIS PRODUCT ARE ON THE TSCA AND DSL INVENTORIES

RCRA STATUS: NOT A HAZARDOUS WASTE  
HAZARDOUS WASTE NUMBER: N/A  
REPORTABLE QUANTITY (40 CFR 302): N/A  
THRESHOLD PLANNING QUANTITY (40 CFR 335): N/A  
CALIFORNIA PROPOSITION 65: THIS PRODUCT CONTAINS A CHEMICAL(S) KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER: ACRYLAMIDE

## HMIS & NFPA RATINGS

	HMIS	NFPA	
HEALTH	1	1	0 : INSIGNIFICANT
FLAMMABILITY	1	1	1 : SLIGHT
REACTIVITY	0	0	2 : MODERATE
SPECIAL	N/A	N/A	3 : HIGH
			4 : EXTREME

## WARRANTY

THIS INFORMATION AND RECOMMENDATIONS ARE OFFERED FOR THE USER'S CONSIDERATION AND EXAMINATION, AND IT IS THE USER'S RESPONSIBILITY TO SATISFY HIMSELF THAT THEY ARE SUITABLE AND COMPLETE FOR HIS PARTICULAR USE.

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THE ABOVE INFORMATION COMPLIES WITH OSHA'S HAZARD COMMUNICATION STANDARD 20CFR1910.1200. THE STANDARD MUST BE CONSULTED FOR SPECIFIC REQUIREMENTS.