

HYDROSORB™ Inc.

MATERIAL SAFETY DATA SHEET

HYDROSORB™ Inc.
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EMERGENCY: 949/582-3100

PRODUCT: **SOILFLOC 300E**

CHEMICAL NAME: ANIONIC WATER-SOLUBLE POLYMER

FORMULA: ANIONIC POLYACRYLAMIDE

REV. JANUARY 2002

COMPOSITION/INGREDIENTS INFORMATION

C, H, O, N, Na (carbon, hydrogen, oxygen, nitrogen, sodium)

HAZARDS IDENTIFICATION

IRRITATING TO EYES AND SKIN

SPILLS PRODUCE EXTREMELY SLIPPERY SURFACES

FIRST AID MEASURES

INHALATION:	MOVE TO FRESH AIR
SKIN CONTACT:	WASH OFF IMMEDIATELY WITH SOAP & PLENTY OF WATER. IN CASE OF PERSISTENT SKIN IRRITATION GET MEDICAL ATTENTION.
EYE CONTACT:	RINSE THOROUGHLY WITH PLENTY OF WATER, INCLUDING UNDER THE EYELIDS. IN CASE OF PERSISTENT EYE IRRITATION GET MEDICAL ATTENTION.
INGESTION:	THE PRODUCT IS NOT CONSIDERED TOXIC BASED ON STUDIES ON LABORATORY ANIMALS

FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA:	CARBON DIOXIDE, FOAM, DRY POWDER, WATER SPRAY
SPECIAL FIRE FIGHTING PRECAUTIONS:	SPILLS PRODUCE EXTREMELY SLIPPERY SURFACES
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:	DO NOT FLUSH WITH WATER. DAM UP. SOAK UP W/ INERT ABSORBENT MATERIAL. IF LIQUID HAS BEEN SPILLED IN LARGE QUANTITIES CLEAN UP PROMPTLY BY SCOOP OR VACUUM. KEEP IN SUITABLE, CLOSED CONTAINERS FOR DISPOSAL. FLUSH AWAY TRACES WITH WATER ONCE CLEANING COMPLETE ONLY.

HANDLING & STORAGE

HANDLING:	AVOID CONTACT WITH SKIN & EYES. WHEN PREPARING THE WORKING SOLUTION ENSURE THERE IS ADEQUATE VENTILATION. WHEN USING DO NOT SMOKE.
STORAGE:	KEEP IN A COOL, DRY PLACE (0-30°C). WHEN PREPARING THE WORKING SOLUTION ENSURE THERE IS ADEQUATE VENTILATION. FREEZING WILL AFFECT THE PHYSICAL CONDITION AND MAY DAMAGE THE MATERIAL.

EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS:	USE LOCAL EXHAUST IF MISTING OCCURS. NATURAL VENTILATION IS ADEQUATE IN ABSENCE OF MIST.
PERSONAL PROTECTION EQUIPMENT	
RESPIRATORY PROTECTION:	IN CASE OF INSUFFICIENT VENTILATION WEAR SUITABLE RESPIRATORY EQUIPMENT
HAND PROTECTION:	RUBBER GLOVES
EYE PROTECTION:	SAFETY GLASSES W/ SIDE SHIELDS; DO NOT WEAR CONTACT LENSES
SKIN PROTECTION:	CHEMICAL-RESISTANT APRON OR PROTECTIVE SUIT IF SPLASHING OR CONTACT W/ SOLUTION IS LIKELY
HYGIENE MEASURES:	WASH HANDS BEFORE BREAKS AND IMMEDIATELY AFTER HANDLING THE PRODUCT. HANDLE IN ACCORDANCE W/ GOOD INDUSTRIAL HYGIENE & SAFETY PRACTICES.

PHYSICAL CHARACTERISTICS

APPEARANCE/ODOR:	MILKY VISCOUS LIQUID/ALIPHATIC ODOR
FLASH POINT:	>100°C
MELTING POINT:	N/A
AUTOIGNITION TEMPERATURE:	>200°C
VAPOR DENSITY:	~6.3 (OIL) (AIR = 1)
pH:	6-8 @ 5 g/l
VAPOR PRESSURE:	0.002 (mm Hg/20°C)
SOLUBILITY IN WATER:	5% (% BY WEIGHT)

STABILITY & REACTIVITY

STABILITY:	STABLE
MATERIALS TO AVOID:	OXIDIZING AGENTS MAY CAUSE EXOTHERMIC REACTIONS
HAZARDOUS DECOMPOSITION PRODUCTS:	NITROGEN OXIDES, CARBON OXIDES MAY BE PRODUCED BY THERMAL DECOMPOSITION
HAZARDOUS POLYMERIZATION:	WILL NOT OCCUR

TOXICOLOGICAL INFORMATION

ACUTE TOXICITY

ORAL:	LD50/ORAL/RAT >5000 mg/kg
DERMAL:	PRODUCT NOT EXPECTED TO BE TOXIC IN CONTACT W/ THE SKIN
INHALATION:	PRODUCT NOT EXPECTED TO BE TOXIC BY INHALATION

IRRITATION

SKIN:	IRRITATING TO SKIN
EYES:	IRRITATING TO EYES

SENSITIZATION:	NOT EXPECTED TO BE SENSITIZING
CHRONIC TOXICITY:	PROLONGED SKIN CONTACT MAY DEFAT THE SKIN AND PRODUCE DERMATITIS

ECOLOGICAL INFORMATION

ECOTOXICITY

FISH: LC50/FATHEAD MINNOWS/96h >1000 mg/l
ALGAE: EC50/PHAEODACTYLUM TRICORNUMTUM/72h >1000 mg/l
DAPHNIA: LC50/CHAETOGRAMMUS MARINUS/48h = 15 mg/l

BIOACCUMULATION: NOT EXPECTED TO BIOACCUMULATE
PERSISTENCE/DEGRADABILITY: NOT READILY BIODEGRADABLE (40% AFTER 28 DAYS)

DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHODS: DISPOSE OF IN ACCORDANCE WITH LOCAL, STATE, AND FEDERAL REGULATIONS
CONTAMINATED PACKAGING: RINSE EMPTY CONTAINERS WITH WATER AND USE THE RINSE WATER TO PREPARE THE WORKING SOLUTION; 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

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