

HYDROSORB™ Inc.

MATERIAL SAFETY DATA SHEET

HYDROSORB™ Inc.
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EMERGENCY: 949/582-3100

PRODUCT: **SOILFLOC CLEARWATER TABLETS**

CHEMICAL NAME: ANIONIC WATER SOLUBLE POLYMER

FORMULA: PROPRIETARY

REV. JULY 2002

INGREDIENTS COMPOSITION AND INFORMATION

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

COMPONENT	CAS #	WT %
copolymer of acrylamide and sodium acrylate	25085 02 3	88-90
moisture	N/A	10
urea	57 13 6	1-2

HAZARDS IDENTIFICATION

PRODUCT THAT BECOMES WET OR AQUEOUS SOLUTIONS RENDER SURFACES EXTREMELY SLIPPERY

FIRST AID MEASURES

INHALATION:

MOVE TO FRESH AIR

SKIN:

FLUSH WITH PLENTY OF SOAP & WATER. IN CASE OF PERSISTENT IRRITATION CONSULT A PHYSICIAN.

EYES:

RINSE THOROUGHLY WITH PLENTY OF WATER, INCLUDING UNDER THE EYELIDS. IN CASE OF PERSISTENT IRRITATION CONSULT A PHYSICIAN.

INGESTION:

PRODUCT NOT CONSIDERED TOXIC BASED ON STUDIES ON LABORATORY ANIMALS.

FIRE FIGHTING MEASURES

SUITABLE EXTINGUISHING MEDIA:	WATER, WATER SPRAY, FOAM, CARBON DIOXIDE, DRY POWDER
SPECIAL FIREFIGHTING PRECAUTIONS:	AQUEOUS SOLUTIONS OR PRODUCT THAT BECOMES WET RENDER SURFACES EXTREMELY SLIPPERY
PROTECTIVE EQUIPMENT FOR FIREFIGHTERS:	NO SPECIAL PROTECTIVE EQUIPMENT REQUIRED

ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS:	NO SPECIAL PRECAUTIONS REQUIRED
ENVIRONMENTAL PRECAUTIONS:	DO NOT CONTAMINATE WATER
METHODS FOR CLEANING UP:	DO NOT FLUSH WITH WATER. CLEAN UP PROMPTLY BY SCOOP OR VACUUM. KEEP IN SUITABLE, CLOSED CONTAINERS FOR DISPOSAL. AFTER CLEANING, FLUSH AWAY TRACES WITH WATER.

HANDLING & STORAGE

HANDLING:	AVOID CONTACT WITH EYES OR SKIN. AVOID DUST FORMATION. DO NOT BREATHE DUST. USE NORMAL PERSONAL HYGIENE & HOUSEKEEPING.
STORAGE:	STORE 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 SAFETY MASKS ARE RECOMMENDED WHERE CONCENTRATION OF TOTAL DUST IS MORE THAN 10 mg/m ³
HAND PROTECTION:	RUBBER GLOVES
EYE PROTECTION:	SAFETY GLASSES WITH SIDE SHIELDS. DO NOT WEAR CONTACT LENSES.
SKIN PROTECTION:	CHEMICAL RESISTANT APRON OR PROTECTIVE SUIT IF SPLASHING OR CONTACT WITH SOLUTION IS LIKELY
HYGIENE MEASURES:	WASH HANDS BEFORE BREAKS AND AT THE END OF WORKDAY. HANDLE IN ACCORDANCE WITH GOOD INDUSTRIAL HYGIENE AND SAFETY PRACTICES.

PHYSICAL CHARACTERISTICS

APPEARANCE:	WHITE TABLET
ODOR:	NONE
pH:	6-8
BULK DENSITY:	1.2 (g/cm ³)
DISSOLUTION TIME IN DI WATER:	10-20 hr.
MELTING POINT:	N/A
FLASH POINT:	N/A
AUTOIGNITION TEMPERATURE:	N/A
VAPOR PRESSURE:	N/A

STABILITY & REACTIVITY

STABILITY: STABLE
CONDITIONS TO AVOID: OXIDIZING AGENTS MAY CAUSE EXOTHERMIC REACTIONS
HAZARDOUS DECOMPOSITION PRODUCTS: THERMAL DECOMPOSITION MAY PRODUCE CARBON OXIDES, NITROGEN OXIDES

TOXICOLOGICAL INFORMATION

ACUTE TOXICITY

ORAL: LD50/ORAL/RAT >5000 mg/kg
DERMAL: THE RESULTS OF TESTING ON RABBITS SHOWED THIS MATERIAL TO BE NON-TOXIC EVEN AT HIGH DOSE LEVELS
INHALATION: PRODUCT IS NOT EXPECTED TO BE TOXIC BY INHALATION

IRRITATION

SKIN: THE RESULTS OF TESTING ON RABBITS SHOWED THIS MATERIAL TO BE NON-IRRITATING TO THE SKIN
EYES: TESTING CONDUCTED ACCORDING TO THE DRAIZE TECHNIQUE SHOWED THE MATERIAL TO PRODUCE NO CORNEAL OR IRIDIAL EFFECTS AND ONLY SLIGHT, TRANSITORY CONJUNCTIVAL EFFECTS

SENSITIZATION: THE RESULTS OF TESTING ON GUINEA PIGS SHOWED THIS MATERIAL TO BE NON-SENSITIZING

CHRONIC TOXICITY: A TWO-YEAR FEEDING STUDY ON RATS DID NOT REVEAL ADVERSE HEALTH EFFECTS; A TWO-YEAR FEEDING STUDY ON DOGS DID NOT REVEAL ADVERSE HEALTH EFFECTS

ECOLOGICAL INFORMATION

FISH: LC50/DANIO RERIO/96hr >100 mg/l (OECD 203) (BASED ON RESULTS OBTAINED FROM TESTS OF ANALOGOUS PRODUCTS)
ALGAE: IC50/SCENEDESMUS SUBSPICATUS/72hr >100 mg/l (OECD 201) (BASED ON RESULTS OBTAINED FROM TESTS OF ANALOGOUS PRODUCTS)
DAPHNIA: EC50/DAPHNIA MAGNA/48hr >100 mg/l (OECD 202) (BASED ON RESULTS OBTAINED FROM TESTS OF ANALOGOUS PRODUCTS)
ENVIRONMENTAL FATE: Log P_{ow} = 0
BIOACCUMULATION: DOES NOT BIOACCUMULATE
PERSISTENCE/DEGRADABILITY: NOT READILY BIODEGRADABLE

DISPOSAL CONSIDERATIONS

WASTE FROM RESIDUE/UNUSED PRODUCT: DISPOSE OF IN ACCORDANCE WITH FEDERAL, STATE, AND LOCAL 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

TRANSPORT: NOT REGULATED BY DOT

REGULATORY INFORMATION

TSCA/DSL INVENTORIES: 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 355) : N/A

CALIFORNIA PROPOSITION 65: THE FOLLOWING STATEMENT IS MADE IN ORDER TO COMPLY WITH THE CA SAFE DRINKING WATER & TOXIC ENFORCEMENT ACT OF 1986: THIS PRODUCT CONTAINS A CHEMICAL KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER: RESIDUAL ACRYLAMIDE

HMIS & NFPA RATINGS

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

OTHER INFORMATION

PERSON TO CONTACT: REGULATORY AFFAIRS MANAGER

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