

MATERIAL SAFETY DATA SHEET

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SECTION I - Identification						
				Date : September 30, 2000		
Product Name: PERMADEV DEVELOPER			MS	SDS # : 61 29XX		
Chemical Family : Aqueous Alkaline	Solution					
Medical Emergency Telephone :	(708) 640 4800					
Transportation Emergency Telephor	ne : CHEMT	REC [®] 1 (800) 424 9300	Revision Date: 3/2202		
SECTION II - Hazardous Compone	ents (Typical Values)					
INGREDIENTS	CAS NO.	WT%	ACGIH(TLV)	OSHA(PEL)		
Sodium Bisulfite	7681-57-4	2-4	5 mg/m ³	5 mg/m ³		
Potassium Hydroxide	1310-58-3	1-3	2 mg/m ³	None		
Hydroquinone	123-31-9	1-3	2 mg/m ³	2 mg/m ³		
SECTION III - Physical / Chemical	Data					
Boiling Point	: > 212°F	Solubility in Water (by Weight) : 100%				
Melting Point	: Not Applicable		Specific Gravity ($H_20 = 1$) : 1.180			
Vapor Pressure	: Same as water	Composite Vapor Pressure		: Not Applicable		
Vapor Density (AIR = 1)	: Same as water	pH		: 10.20		
Evaporation Rate	: Same as water	Appearance		: Clear and colorless		
Volatile Fraction by Weight	: Same as water	Odor		: None		
Volatile Organic Compound	: Not Applicable					
SECTION IV - Fire and Explosion	Hazard Data					
Flash Point	: Not flammable					
Flammable Limits in Air	: Lower : None	•	per: Non			
Extinguishing Media	: Any extinguishing			-		
Special The Fighting Flocedules	Special Fire Fighting Procedures : Evacuate personnel to a safe area. Keep personnel away from and upwind of fire Wear self-contained breathing apparatus.					
Unusual Fire and Explosion Hazards				imes are possible.		
SECTION V - Health Hazard Data / SARA - Title III Hazard Categories						
A. Acute Exposure Effects (Note: p		-				
- Eye contact	: May cause irritation					
- Skin contact	: May cause skin irri	tation or allerg	gic skin reaction.			
- Inhalation		blem, but inhalation of mist could cause respiratory irritation.				
	- Ingestion : May cause irritation of mucous membranes or digestive tract.					
B. First Aid (Applies to finished Product)						
- Eyes	: Immediately flush with plenty of running water for at least 15 minutes. Obtain					
- Skin	medical attention. Skin : Flush affected areas promptly with water for 15 minutes. Remove contaminated					
Chin	clothing.	ao promptiy m				
-Inhalation	: For over-exposure	, remove to fre	esh air.			
- Ingestion				diate medical attention.		
C. Chronic Health Effects (Note: F	Pertains to each ingred	ient listed in se	ection 2 per 29 CFF	R Sect. 1910.1200)		
Hydroquinone:						
	Repeated contact can cause skin sensitization and allergic dermatitis. Chronic over-exposure can cause					
	ration and corneal opa		2S.			
- Toxicity Data: Oral-Human LDLO: 29 mg/kg. Oral-Rat LD50: 320 mg/kg.						
All Other Ingredie	nts in Section II					
- A computerized literature search of national databases did not yield any chronic effects associated with						
these materials.		le.				
- Carcinogenicity Li	sting: NTP = N	IU	IAR = No	OSHA = No		

SECTION VI - Reactivity Data

Stability	: Stable.
Incompatibility	: Strong acids, oxidizers.
Hazardous Decomposition Products	: With strong acids, sulfur dioxide gas.
Hazardous Polymerization	: Will not occur.

SECTION VII - Disposal Information

Spill, Leak or Release

NOTE: Review Section IV and VIII before proceeding with clean up. Use appropriate PERSONAL PROTECTIVE EQUIPMENT during clean up. Dike spill. Prevent liquid from entering sewers, waterways or low areas. Soak up with sand, oil dry or other absorbent material. Spill may be neutralized with Citric Acid.

Waste Disposal

Recover non-usable free liquid and/or contaminated water, and dispose of in an approved and permitted treatment system. Remove non-usable solid material and/or contaminated soil, for disposal in an approved and permitted landfill. Discharge to sewer requires approval of permitting authority and may require pre-treatment.

SECTION VIII - Special Protection Information

A. Respiratory Protection : Sufficient room ventilation.

B. Skin and Eye Protection : Splash protection is suggested, e.g., eyeglasses with side shields, gloves and aprons.

SECTION IX - Storage Conditions

Store in a well ventilated area. Keep container tightly closed. Do not store with incompatible materials (See Section VI). Do not store or consume food, drink or tobacco in an area where they may become contaminated with this material.

SECTION X - Hazardous Transportation Regulations

NON REGULATED

SECTION XI - Hazard Communication

0 = Insignificant	HEALTH	= 1
1 = Slight	FLAMMABILITY	= 0
2 = Moderate	REACTIVITY	= 0
3 = High	SPECIAL	
4 = Extreme		

SECTION XII - TSCA Information

TSCA Listing : All ingredients in this finished product are listed on the EPA TSCA Inventory (See Section II).

SECTION XIII - Federal EPA - SARA Title III Notification

Superfund Amendments and Reauthorization Act of 1986 (SARA) Title III requires submission of annual reports of release of toxic chemicals that appear in 40 CFR 372 (FOR SARA 313).

Components present in this product at a level which could require reporting under the statute are:				
Chemical	CAS #	Upperbound Concentration - %		
Hydroquinone	123-31-9	1		

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