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Material Safety Data Sheet

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SECTION I - Material Identity

Item Name	
Part Number/Trade Name	R-0004 PH INDICATOR SOLUTION PHENOL RED
National Stock Number	6810L400659F
CAGE Code	89975
Part Number Indicator	A
MSDS Number	194085
HAZ Code	B

SECTION II - Manufacturer's Information

Manufacturer Name	TAYLOR TECHNOLOGIES INC
P.O. Box	N/K
Street	31 LOVETON CIRCLE
City	SPARKS
State	MD
Country	US

Zip Code	21152-9201
Emergency Phone	410-472-4340
Information Phone	410-472-4340

MSDS Preparer's Information

Street	31 LOVETON CIRCLE
City	SPARKS
State	MD
Zip Code	21152-9201
Date MSDS Prepared/Revised	01MAY96
Date of Technical Review	03JAN95
Active Indicator	Y

Alternate Vendors

SECTION III - Physical/Chemical Characteristics

Hazard Storage Compatibility Code	NR
NRC License Number	NR
Net Propellant Weight (Ammo)	NR
Appearance/Odor	CLEAR, RED ORANGE LIQUID W/SULFIDIC ODOR
Boiling Point	212F
Melting Point	N/K
Vapor Pressure	17
Vapor Density	0.6
Specific Gravity	1
Decomposition Temperature	NR
Evaporation Rate	N/K
Solubility in Water	COMPLETE
Percent Volatiles by Volume	98
Chemical pH	7.6
Corrosion Rate	NR
Container Type	N
Container Pressure Code	1
Temperature Code	4
Product State Code	L

SECTION IV - Fire and Explosion Hazard Data

Flash Point Method	NA
Lower Explosion Limit	NA
Upper Explosion Limit	NA
Extinguishing Media	NA
Special Fire Fighting Procedures	WEAR SELF CONTAINED POSITIVE PRESSURE BREATHING APPARATUS & FULL PROTECTIVE CLOTHING
Unusual Fire/Explosion Hazards	MAY EMIT TOXIC FUMES

SECTION V - Reactivity Data

Stability	YES
Stability Conditions to Avoid	EXTREME HEAT, TEMPS, DIRECT SUNLIGHT
Materials to Avoid	N/K
Hazardous Decomposition Products	CARBON OXIDES, SULFUR OXIDES
Hazardous Polymerization	NO
Polymerization Conditions to Avoid	N/K
LD50 - LD50 Mixture	NR

SECTION VI - Health Hazard Data

Route of Entry: Skin	YES
Route of Entry: Ingestion	YES
Route of Entry: Inhalation	NO
Health Hazards - Acute and Chronic	EYES: IRRITATION. SKIN: IRRITATION. CONTACT MAY CAUSE STAINING. INGESTION: GASTROINTESTINAL IRRITATION. INHAL: NA
Carcinogenity: NTP	NO
Carcinogenity: IARC	NO
Carcinogenity: OSHA	NO
Explanation of Carcinogenity	NONE
Symptoms of Overexposure	EYES: IRRITATION. SKIN: IRRITATION. CONTACT MAY CAUSE STAINING. INGESTION: GASTROINTESTINAL IRRITATION. INHAL: NA
Medical Cond. Aggrevated by Exposure	EYE & SKIN CONDITIONS
Emergency/First Aid Procedures	[EYES] FLUSH W/ WATER FOR 15 MINUTES [SKIN] WASH W/ SOAP AND WATER, REMOVE CONTAMINATED CLOTHING, LAUNDER BEFORE REUSE [INHAL] REMOVE TO FRESH AIR [INGEST] INDUCE VOMITING, NEVER

GIVE ANYTHING TO AN UNCONSCIOUS
PERSON

SECTION VII - Precautions for Safe Handling and Use

Steps if Material Released/Spilled	ABSORB W/VERMICULITE/OTHER INERT MATERIAL. CONTAINERIZE FOR LATER DISPOSAL
Neutralizing Agent	N/K
Waste Disposal Method	INCINERATION/OTHER METHOD IN ACCORDANCE W/LOCAL, STATE & FEDERAL REGULATIONS
Handling and Storage Precautions	STORE IN A COOL, DRY AREA. AVOID DIRECT SUNLIGHT
Other Precautions	AVOID CONTACT W/EYES, SKIN & CLOTHING. AVOID BREATHING CHEMICAL

SECTION VIII - Control Measures

Respiratory Protection	N/K
Ventilation	N/K
Protective Gloves	GENERAL PURPOSE
Eye Protection	SAFETY GLASSES
Other Protective Equipment	LAB COAT
Work Hygienic Practices	WASH THOROUGHLY AFTER HANDLING
Disposal Code	0

SECTION IX - Label Data

Protect Eye	YES
Protect Skin	YES
Protect Respiratory	NO
Chronic Indicator	UNKNOWN
Contact Code	SLIGHT
Fire Code	UNKNOWN
Health Code	UNKNOWN
React Code	UNKNOWN

SECTION X - Transportation Data

Container Quantity	.75
Unit of Measure	OZF

SECTION XI - Site Specific/Reporting Information

Volatile Organic Compounds (P/G)	0
Volatile Organic Compounds (G/L)	0

SECTION XII - Ingredients/Identity Information

Ingredient #	1
Ingredient Name	PHENOLSULFONEPHTHALEIN (PHENOL RED) (<1%)
CAS Number	143748
Proprietary	NO
Percent	1
OSHA PEL	N/K
ACGIH TLV	N/K
Ingredient #	2
Ingredient Name	SODIUM HYDROXIDE (<1%)
CAS Number	1310732
Proprietary	NO
Percent	1
OSHA PEL	2 MG/M3
ACGIH TLV	2 MG/M3
Ingredient #	3
Ingredient Name	DEIONIZED WATER (UP TO 100%)
CAS Number	7732185
Proprietary	NO
Percent	100
OSHA PEL	N/K
ACGIH TLV	N/K
