

HACH CO -- 246101, FORMAZIN TURBIDITY STANDARD 4000 NTU -- 6810-01-215-6564

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Product Identification
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Product ID:246101, FORMAZIN TURBIDITY STANDARD 4000 NTU

MSDS Date:08/17/1998

FSC:6810

NIIN:01-215-6564

Status Code:A

MSDS Number: CLJYX

=== Responsible Party ===

Company Name:HACH CO

Address:5600 LINDBERGH DR

Box:389

City:LOVELAND

State:CO

ZIP:80538-8902

Country:US

Info Phone Num:970-669

-3050/800-227-4224

Emergency Phone Num:303-623-5716

Resp. Party Other MSDS Num.:MSDS NUMBER: M00482

CAGE:91224

=== Contractor Identification ===

Company Name:HACH CO

Address:5600 LINDBERGH DR

Box:389

City:LOVELAND

State:CO

ZIP:80539

Country:US

Phone:970-669-3050/ 303-623-5716

CAGE:91224

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Composition/Information on Ingredients
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Ingred Name:HEXAMETHYLENETETRAMINE

CAS:100-97-0

RTECS #:MN4725000

Minumum % Wt:1.

Maxumum % Wt:10.

Ingred Name:DEMINERLAIZED WATER

CAS:7732-

18-5
RTECS #:ZC0110000
Minumum % Wt:90.
Maxumum % Wt:100.

Ingred Name:FORMAZIN POLYMER
< Wt:1.

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Hazards Identification
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LD50 LC50 Mixture:ORAL RAT LD50: > 5000 MG/KG
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:EYE: MAY CAUSE IRRITATION. SKIN
CONTACT: MAY CAUSE IRRITATION. MAY CAUSE ALLERGIC REACTION. SKIN
ABSORPTION: NONE REPORTED. INGESTION: MAY CAUSE: GASTROINTESTINAL
IRRITATION. INHALATION:
NO EFFECTS AN TICIPATED. CHRONIC: CHRONIC
OVEREXPOSURE MAY CAUSE SYPTOMS SIMILAR TO ACUTE EXPOSURE.
Explanation of Carcinogenicity:THIS PRODUCT DOES NOT CONTAIN ANY OSHA
LISTED CARCINOGENS. THIS PRODUCT DOES NOT CONTAIN ANY IARC LISTED
CHEMICALS. THIS PRODUCT DOES NOT CONTAIN ANY NTP LISTED CHEMICALS.
Effects of Overexposure:EYES: IRRITATION SKIN: IRRITATION. INGESTION:
GI TRACT IRRITATION. INHALED: NO EFFECTS ANTICIPATED.
Medical Cond Aggravated by Exposure:ALLERGIES OR SENSITI
VITY TO
HEXAMETHYLENETETRAMINE

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First Aid Measures
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First Aid:EYE: IMMEDIATELY FLUSH EYES WITH WATER FOR 15 MINUTES. CALL
PHYSICIAN. SKIN CONTACT (FIRST AID): WASH SKIN WITH PLENTY OF
WATER. REMOVE CONTAMINATED CLOTHING. CALL PHYSICIAN IF IRRITATION
DEVELOPS. IN GESTION (FIRST AID): INDUCE VOMITING USING SYRUP OF
IPECAC OR BY STICKING FINGER DOWN THROAT. NEVER GIVE ANYTHING BY
MOUTH TO AN UNCONSCIOUS PERSON. CALL PHYSICIAN
IMMEDIATELY.
INHALATION: REMOVE TO F RESH AIR.

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Fire Fighting Measures
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Autoignition Temp:Autoignition Temp Text:ND
Lower Limits:NA
Upper Limits:NA
Extinguishing Media:USE MEDIA APPROPRIATE TO SURROUNDING FIRE
CONDITIONS.
Fire Fighting Procedures:AS IN ANY FIRE, WEAR SELF CONTAINED BREATHING
APPARATUS PRESSURE-DEMAND AND FULL PROTECTIVE GEAR.
Unusual Fire/Explosion Hazard:DURING A FIRE, THIS PRODUCT DECOMPOSES TO
FORM TOXIC GASES.

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===== Accidental Release Measures =====

Spill Release Procedures: ONLY PERSONS PROPERLY QUALIFIED TO RESPOND TO AN EMERGENCY INVOLVING HAZARDOUS SUBSTANCES MAY RESPOND TO A SPILL ACCORDING TO FEDERAL REGULATIONS (OSHA 29 CFR 1910.120(A)(V) AND PER YOUR COMPANY'S EMERGENCY RESPONSE PLAN AND GUIDELINES AND PROCEDURES. ABSORB SPILLED LIQUID WITH NON-REACTIVE SORBENT MATERIAL. DIKE LARGE SPILLS TO KEEP SPILLED MATERIAL FROM ENTERING SEWAGE AND DRAINAGE SYSTEMS.

Neutralizing Agent: NO DATA PROVIDED BY MANUFACTURER

===== Handling and Storage =====

Handling and Storage Precautions: HANDLING: AVOID CONTACT WITH EYES, SKIN. DO NOT BREATHE MIST OR VAPORS. WASH THOROUGHLY AFTER HANDLING. MAINTAIN GENERAL INDUSTRIAL HYGIENE PRACTICES WHEN USING THIS PRODUCT. STORAGE: KEEP CONTAINER TIGHTLY CLOSED WHEN NOT IN USE. PROTECT FROM: HEAT.

Other Precautions: FLAMMABILITY CLASS: NOT APPLICABLE.

===== Exposure Controls/Personal Protection =====

Respiratory Protection: NO DATA PROVIDED BY MANUFACTURER

Ventilation: ADEQUATE VENTILATION

Protective Gloves: DISPOSABLE LATEX GLOVES

Eye Protection: SAFETY GLASSES WITH TOP AND SIDE SHIELDS

Other Protective Equipment: EYEWASH STATION NEARBY

Work Hygienic Practices: MAINTAIN GENERAL INDUSTRIAL HYGIENE PRACTICES WHEN USING THIS PRODUCT. WASH THOROUGHLY AFTER HANDLING.

Supplemental Safety and Health

AVOID CONTACT WITH EYES, SKIN. DO NOT BREATHE: MIST/VAPOR.

===== Physical/Chemical Properties =====

HCC: C3

Boiling Pt: =100.C, 212.F

B.P. Text: APPROX.

Vapor Pres: NOT DETERMINED

Vapor Density: ND

Spec Gravity: 1.002 (WATER=1)

pH: 6.4

Evaporation Rate & Reference: 0.63 (WATER=1)

Solubility in Water: MISCIBLE

Appearance and Odor: LIQUID, TURBID, MILKY SUSPENSION, NO ODOR

===== Stability and Reactivity Data =====

Stability Indicator/Materials to Avoid: YES

INCOMPATIBLE WITH : OXIDIZ

ERS

Stability Condition to Avoid: STABLE WHEN STORED UNDER PROPER CONDITIONS. AVOID: EXTREME TEMPERATURES

Hazardous Decomposition Products: HEATING TO DECOMPOSITION RELEASES: AMMONIA, CARBON MONOXIDE, FORMALDEHYDE, NITROGEN OXIDES.

Conditions to Avoid Polymerization: WILL NOT OCCUR

===== Toxicological Information =====

Toxicological Information: PRODUCT TOXICOLOGICAL DATA: LD50: ORAL RAT LD50 > 5000 MG/KG. LC50: NONE REPORTED. DERMAL TOXICITY DATA: NONE

REPORTED. SKIN AND EYE IRRITATION DATA: NONE REPORTED. MUTATION DATA: NONE REPORTED. REPRODUCTIVE EFFECTS DATA: NONE REPORTED. INGREDIENT TOXICOLOGICAL DATA: HEXAMETHYLENETETRAMINE: ORAL MOUSE LDLO = 512 MG/KG.

===== Ecological Information =====

Ecological: PRODUCT ECOLOGICAL INFORMATION: NO SPECIFIC ECOLOGICAL INFORMATION AVAILABLE FOR THIS PRODUCT. INGREDIENT ECOLOGICAL INFORMATION: HEXAMETHYLENTRIAMINE: WATER POLLUTION FACTORS: BOD5: 0.015; 0.026; STD. DIL. SEW.

===== Disposal Considerations =====

Waste Disposal Methods: THESE DISPOSAL GUIDELINES ARE BASED ON FEDERAL REGULATIONS AND MAY BE SUPERSEDED BY MORE STRINGENT STATE OR LOCAL REQUIREMENTS. PLEASE CONSULT YOUR LOCAL ENVIRONMENTAL REGULATORS FOR MORE INFORMATION. PLACE MATERIAL IN A PLASTIC BAG. MAKE BAG NON-HAZARDOUS TRASH, AND DISPOSE OF AS NORMAL REFUSE. EMPTY CONTAINERS: RINSE THREE TIMES.

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=== MSDS Transport Information =====

Transport Information: US DOT: NOT CURRENTLY REGULATED. ICAO: NOT CURRENTLY REGULATED. IMO: NOT CURRENTLY REGULATED.

===== Regulatory Information =====

SARA Title III Information: SARA 311/312 CATEGORIZATION (40 CFR 370): IMMEDIATE (ACUTE) HEALTH HAZARD, DELAYED (CHRONIC) HEALTH HAZARD. SARA SECTION 313 (40 CFR 372): THIS PRODUCT DOES NOT CONTAIN ANY CHEMICAL SUBJECT TO THE REPORTING REQUIRE

MENTS OF SECTION 313 OF

TITLE III OF SARA. 302 EHS TPQ (40 CFR 355): NOT APPLICABLE. 304 CERCLA RQ (40 CFR 302.4): NOT APPLICABLE. 304 EHS RQ (40 CFR 355): NOT APPLICABLE.

Federal Regulatory Information:CLEAN WATER ACT (40 CFR 116.4): NOT APPLICABLE. RCRA: CONTAINS NO RCRA REGULATED SUBSTANCES. COSC: NOT APPLICABLE. US INVENTORY STATUS: ALL INGREDINETS IN THIS PRODUCT ARE LISTED ON THE TSCA 8(B) INVE NTORY (40 CFR 710).

State Regulatory Information:CALIFORNIA PROPOSITION 65: NO PROPOSITION

65 LISTED CHEMICALS ARE PRESENT IN THIS PRODUCT. TRADE SECRET REGISTRY: NOT APPLICABLE.

===== Other Information =====

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