

1. PRODUCT AND COMPANY IDENTIFICATION

NAME: HARDNESS REAGENT POWDER X

USE: TEST KIT REAGENT

MSDS # 014869 CODE: X

US CHEMICAL, 316 HART STREET, WATERTOWN, WI 53094 USA

MEDICAL EMERGENCY #: 1-866-923-4913 USA

SPILL EMERGENCY #: 1-800-424-9300 USA

PRODUCT INFORMATION #: 1-800-558-9566 (8 A.M. TO 5 P.M. CST MONDAY TO FRIDAY)

INTERNET ADDRESS: WWW.USCHEMICAL.COM

REVIEWED 3-22-10 REVISED 3-22-10 SECTION REVISED: 1

2. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW:

WARNING! MAY BE SEVERELY IRRITATING TO EYES. INGESTION MAY BE HARMFUL.

PRINCIPLE ROUTES OF EXPOSURE: EYES, INGESTION

POTENTIAL ACUTE HEALTH EFFECTS

EYES: MAY BE SEVERELY IRRITATING TO EYES.

SKIN: PROLONGED EXPOSURE TO CONCENTRATE MAY CAUSE MILD IRRITATION TO HIGHLY SENSITIVE SKIN.

INHALATION: MAY CAUSE ALLERGIC RESPIRATORY REACTION IN ASTHMATICS.

INGESTION: MAY CAUSE ABDOMINAL DISCOMFORT, NAUSEA, VOMITING AND DIARRHEA. MAY BE HARMFUL.

MEDICAL CONDITIONS AGGRAVATED: SULFITES ARE STRONG SENSITIZERS. INHALATION AND INGESTION MAY CAUSE ALLERGIC RESPIRATORY REACTION IN ASTHMATICS.

3. COMPOSITION / INFORMATION ON INGREDIENTS

HAZARDOUS INGREDIENT	CAS #	% BY WT	LC50/LD50
SODIUM CARBONATE	497-19-8	55.0 - 65.0	N.AV.
ETHYLENEDIAMINETETRAACETIC ACID, MAGNESIUM DIDOSIUM SALT	14402-88-1	1.0 – 5.0	N.AV.
AMMONIUM CHLORIDE	12125-02-9	10.0 – 20.0	N.AV.
SODIUM SULFITE	7757-83-7	15.0 – 25.0	N.AV.
STATE RIGHT TO KNOW: THIS PRODUCT CONTAINS: SODIUM CARBONATE/497-19-8, SODIUM SULFITE/7757-83-7, AMMONIUM CHLORIDE/12125-02-9 ETHYLENEDIAMINETETRAACETIC ACID, MAGNESIUM DIDOSIUM SALT /14402-88-1			

4. FIRST AID MEASURES

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EYES: IMMEDIATELY FLUSH EYES WITH RUNNING WATER FOR AT LEAST 15-20 MINUTES, KEEPING EYELIDS OPEN. **SKIN:** IMMEDIATELY FLUSH WITH PLENTY OF WATER FOR 15 MINUTES. REMOVE AND WASH CONTAMINATED CLOTHING AND FOOTWEAR BEFORE REUSE. **IF SWALLOWED:** GIVE A CUPFUL OF WATER OR MILK. THEN IMMEDIATELY CONTACT A PHYSICIAN OR POISON CENTER. DO NOT INDUCE VOMITING UNLESS DIRECTED TO DO SO BY MEDICAL PERSONNEL. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON.

INHALATION: IF BREATHING IS AFFECTED: REMOVE TO FRESH AIR.

ADMINISTER FIRST AID TREATMENT AS STATED ABOVE, THEN CALL 1-866-923-4913 OR CONTACT PHYSICIAN FOR FURTHER MEDICAL INSTRUCTIONS.

NOTE TO PHYSICIAN: CALL 1-866-923-4913 FOR ASSISTANCE WITH THE MANAGEMENT OF EXPOSURES.

5. FIRE-FIGHTING MEASURES

FLAMMABILITY: NO HAZARD.

FLASH POINT: N.A.P.

PRODUCTS OF COMBUSTION: SEE SECTION 10.

SUITABLE EXTINGUISHING MEDIA: FOR FIRES IN AREA, USE APPROPRIATE MEDIA. FOR EXAMPLE: WATER SPRAY, DRY CHEMICAL, CARBON DIOXIDE, OR ALCOHOL FOAM.

SPECIFIC HAZARDS: N.A.P.

SPECIFIC METHODS: NORMAL FIRE FIGHTING PROCEDURES MAY BE USED.

6. ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS: SEE SECTION 8.

SPILL RESPONSE: EVACUATE UNPROTECTED PERSONNEL FROM AREA. WEAR PROPER PROTECTIVE EQUIPMENT. CAREFULLY SWEEP UP AND SHOVEL INTO DRY CONTAINERS WITHOUT RAISING DUST. COVER CONTAINERS AND MOVE CONTAINERS OUT OF SPILL AREA. AFTER SPILL COLLECTION, FLUSH AREA WITH WATER AND FOLLOW WITH NORMAL CLEAN-UP PROCEDURES. BE CAREFUL AS SPILLS ARE SLIPPERY.

7. HANDLING AND STORAGE

HANDLING: FOLLOW ALL LABEL DIRECTIONS. INSTRUCT PERSONNEL ABOUT PROPER USE, HAZARDS, PRECAUTIONS, AND FIRST AID MEASURES. AVOID INGESTION AND CONTACT WITH EYES. DO NOT TASTE OR SWALLOW. PRODUCT RESIDUE MAY REMAIN ON OR IN EMPTY CONTAINERS. HANDLE CAREFULLY TO AVOID DAMAGING CONTAINER.

STORAGE: ROTATE STOCK REGULARLY. KEEP CONTAINER CLOSED WHEN NOT IN USE. AVOID TEMPERATURES ABOVE 120°F. STORAGE AT AMBIENT TEMPERATURES IN A DRY AREA OUT OF DIRECT SUNLIGHT IS RECOMMENDED. KEEP AWAY FROM FOOD AND DRINK. KEEP OUT OF CHILDREN'S REACH.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

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EXPOSURE LIMITS: N.AV.**ENGINEERING CONTROLS:** NONE REQUIRED. GENERAL ROOM VENTILATION IS ADEQUATE.**PERSONAL PROTECTION****EYES:** SAFETY GLASSES**HANDS:** NONE REQUIRED WITH NORMAL USE.**RESPIRATORY:** WEAR DUST MASK IF HANDLING CREATES AIR-BORNE DUST.**FEET:** N.AP.**BODY:** N.AP.**9. PHYSICAL AND CHEMICAL PROPERTIES****COLOR:** LIGHT PINK**ODOR:** NONE**pH CONCENTRATE:** N.AV.**pH @ 1.6% SOLUTION:** 10.1**pH @ USE DILUTION:** N.AV.**PHYSICAL STATE:** GRANULAR POWDER**SPECIFIC GRAVITY:** N.AP.**VISCOSITY:** N.AP.**BOILING POINT:** N.AP.**MELTING POINT:** N.AP.**FLASH POINT:** N.AP.**UEL:** N.AP.**LEL:** N.AP.**EVAPORATION RATE:** N.AP.**ODOR THRESHOLD:** N.AP.**VAPOR PRESSURE:** N.AP.**VAPOR DENSITY:** N.AP.**COEFF. OIL/WATER:** N.AP.**WATER SOLUBILITY:** MODERATE**OTHER:** N.AP.**10. STABILITY AND REACTIVITY****STABLE:** YES**CONDITIONS TO AVOID:** AVOID TEMPERATURES ABOVE 120°F AND HIGH HUMIDITY TO PREVENT CAKING.**MATERIALS TO AVOID:** AVOID MIXING DIRECTLY WITH ANY OTHER CLEANING PRODUCT. AVOID ACIDS AND OXIDIZING AGENTS. MIX ONLY WITH WATER OR AS DIRECTED IN THE TEST KIT MANUAL.**DECOMPOSITION PRODUCTS:** FIRE OR MIXING WITH INCOMPATIBLE MATERIALS MAY PRODUCE OXIDES OF CARBON AND OTHER TOXIC OR IRRITATING FUMES.**POSSIBILITY OF HAZARDOUS REACTIONS:** N.AP.**11. TOXICOLOGICAL INFORMATION****ACUTE EFFECTS:** SEE SECTION 2.**CHRONIC EFFECTS:** NONE KNOWN. NO REPORTABLE CARCINOGENS, MUTAGENS, SYNERGISTIC MATERIALS, TERATOGENS, OR REPRODUCTIVE TOXINS.**LC50/LD50:** SODIUM CHLORIDE ORAL RAT LD50 = 3000 mg / kg**TARGET ORGANS:** NONE KNOWN.**OTHER TOXIC EFFECTS:** NONE KNOWN.

12. ECOLOGICAL INFORMATION

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NOT AVAILABLE.

13. DISPOSAL CONSIDERATIONS

DISPOSAL METHOD: COMPLY WITH ALL FEDERAL, STATE, PROVINCIAL AND LOCAL LAWS AND REGULATIONS. CONSULT STATE AND LOCAL AUTHORITIES FOR RESTRICTIONS ON DISPOSAL OF CHEMICAL WASTE. MANAGE CHEMICAL WASTES THROUGH AN APPROVED WASTE TREATMENT FACILITY. DO NOT REUSE EMPTY CONTAINER. RINSE EMPTY CONTAINER THOROUGHLY WITH WATER BEFORE DISCARDING CONTAINER IN ACCORDANCE WITH CURRENT LOCAL COMMUNITY CODES. PLEASE RECYCLE EMPTY CONTAINER WHENEVER POSSIBLE.

14. TRANSPORT INFORMATION

DOT/TDG: NOT REGULATED
DOT RQ: N.AP.
DOT ERG #: N.AP.

15. REGULATORY INFORMATION

EPA CERCLA RQ: N.AP.
EPA REGISTERED: NO
EPA VOC: 0.00%
EPA VOC RULE: THIS PRODUCT DOES NOT CONTAIN VOLATILE ORGANIC COMPOUNDS.
OSHA HAZARDOUS: YES
PHOSPHORUS CONTENT: 0.00%
PROPOSITION 65: N.AP.
SARA 311/312 HAZARDS: ACUTE
SARA 313 CHEMICALS: N.AP.
STATE RIGHT TO KNOW: SEE SECTION 3 FOR STATE RTK CHEMICAL NAMES.
TSCA INVENTORY STATUS: ALL COMPONENTS ARE LISTED ON THE INVENTORY.

16. OTHER INFORMATION

NFPA RATING: HEALTH-2/FLAMMABILITY-0/REACTIVITY-0/SPECIAL HAZARD-N.AP.
HMIS RATING: HEALTH-2/FLAMMABILITY-0/REACTIVITY-0/PERSONAL PROTECTION-SEE 8.0

N.AV. = NOT AVAILABLE N.AP. = NOT APPLICABLE

PREPARED BY: HEALTH AND SAFETY

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