

MATERIAL SAFETY DATA SHEET

SECTION I - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: **All TEMP DISH DETERGENT** ID NUMBER: 5400 PRODUCT USE/CLASS: AUTOMATIC DISH DETERGENT
MANUFACTURER: CEMICAL UNIVERSE 1133 SALINE , N. KANSAS CITY, MO 64116 EMERGENCY TELEPHONE: 800-424-9300
PREPARED BY: REGULATORY DEPARTMENT PHONE: 816-471-3602 PREPARE DATE: 10-15-03

SECTION II - HAZARDOUS COMPOSITION/INFORMATION ON INGREDIENTS

CHEMICAL NAME	CAS NUMBER	WT.PERCENT IS LESS THAN	TLV-TWA	TLV-STEL	PEL-TWA	SKIN DESIGNATION
Sodium Hydroxide	1310-73-2	<12	2 mg/m3	2 mg/m3		
Sodium Metasilicate	6834-92-0	<10	2 mg/m3	2 mg/m3		
Sodium Tripolyphosphate	7758-29-4	< 8	15 mg/m3	10 mg/m3		

(See Section 11 for abbreviation legend)

SECTION III - PHYSICAL DATA

BOILING RANGE: 212 - 340 F VAPOR DENSITY: Is heavier than air ODOR: CHARACTERISTIC SPECIFIC GRAVITY: 1.035
APPEARANCE: CLEAR RED LIQUID EVAPORATION RATE: Is slower than Ether SOLUBILITY IN H2O: COMPLETE

(See Section XI for abbreviation legend)

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT: >200 LOWER EXPLOSIVE LIMIT: N.A. UPPER EXPLOSIVE LIMIT: N.A.
(TAGLIABUE CUP CLOSED)

EXTINGUISHING MEDIA: CO2 DRY CHEMICAL FOAM WATER FOG

UNUSUAL FIRE AND EXPLOSION HAZARDS: UPON BURNING, TOXIC GASES MAY BE RELEASED.

SPECIAL FIREFIGHTING PROCEDURES: FIREFIGHTERS SHOULD WEAR SELF CONTAINED BREATHING APPARATUS AND PROTECTIVE CLOTHING.

SECTION V - HEALTH HAZARD DATA

EFFECTS OF OVEREXPOSURE - EYE CONTACT: IRRITATION AND TEARING.

EFFECTS OF OVEREXPOSURE - SKIN CONTACT: CAN CAUSE SKIN IRRITATION. CONTACT WITH SKIN SHOULD BE AVOIDED.

EFFECTS OF OVEREXPOSURE - INHALATION: INHALATION: REMOVE TO FRESH AIR, RESTORE BREATHING. CONSULT A PHYSICIAN.

EFFECTS OF OVEREXPOSURE - INGESTION: CONTAINS NON-IONIC DETERGENTS. NAUSEA CAN DEVELOP.

EFFECTS OF OVEREXPOSURE - CHRONIC HAZARDS: NONE KNOWN.

FIRST AID - EYE CONTACT: FLUSH WITH WATER 15 MINUTES, LIFTING EYELIDS TO ENSURE TOTAL RINSE. CONTACT A PHYSICIAN.

FIRST AID - SKIN CONTACT: FLUSH WITH WATER 15 MINUTES. WASH WITH SOAP AND WATER. REMOVE ANY CONTAMINATED CLOTHING. LAUNDRER BEFORE REUSE.

FIRST AID - INHALATION: REMOVE TO FRESH AIR.

FIRST AID - INGESTION: DO NOT INDUCE VOMITING. DRINK LARGE AMOUNTS OF WATER. CONTACT A PHYSICIAN.

PRIMARY ROUTE(S) OF ENTRY: SKIN CONTACT

(Continued on Page 2)

PRODUCT NAME: **All TEMP DISH DETERGENT**

ID NUMBER: 5400

PRODUCT USE/CLASS: AUTOMATIC DISH DETERGENT

SECTION VI - REACTIVITY DATA

HAZARDOUS DECOMPOSITION PRODUCTS: NONE KNOWN.

CONDITIONS TO AVOID: NONE KNOWN.

INCOMPATIBILITY: NONE KNOWN.

HAZARDOUS POLYMERIZATION: Will not occur under normal conditions.

STABILITY: This product is stable under normal storage conditions.

SECTION VII - SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: DIKE FOR RECOVERY OR DISPOSAL. SPILL MAY BE ABSORBED ONTO APPROPRIATE ABSORBENT MATERIAL.

WASTE DISPOSAL METHOD: DISPOSE IN ACCORDANCE WITH APPROPRIATE FEDERAL, STATE AND LOCAL REGULATIONS.

SECTION VIII - SAFE HANDLING AND USE INFORMATION

RESPIRATORY PROTECTION: NOT NORMALLY NEEDED.

VENTILATION: SUFFICIENT VENTILATION, IN VOLUME AND PATTERN, SHOULD BE PROVIDED TO KEEP AIR CONTAMINATION BELOW CURRENT APPLICABLE OSHA PERMISSIBLE EXPOSURE LIMIT OR ACGH'S TLV LIMIT.

SKIN PROTECTION: ALWAYS WEAR GLOVES. PROTECT OTHER PARTS OF BODY AND ARMS FROM CONTACT

EYE PROTECTION: SAFETY GLASSES OR GOGGLES.

OTHER PROTECTIVE EQUIPMENT: NOT NORMALLY NEEDED.

HYGENIC PRACTICES: WASH AFTER EACH USE.

SECTION IX - SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: KEEP AWAY FROM SPARKS AND OPEN FLAMES.

OTHER PRECAUTIONS: KEEP CONTAINERS CLOSED. KEEP FROM FREEZING CONDITIONS.

SECTION X - HMIS RATINGS

HMIS RATINGS	HEALTH: 1	FLAMMABILITY: 0	REACTIVITY: 0
--------------	-----------	-----------------	---------------

SECTION XI - OTHER REGULATIONS

SARA SECTION 313: This product contains the following substances subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372:

----- CHEMICAL NAME -----	CAS NUMBER	WT/WT %
---------------------------	------------	---------

PREVIOUS MSDS REVISION DATE: 06-01-02

LEGEND: N.A. - Not Applicable, N.E. - Not Established, N.D. - Not Determined

The information contained on this MSDS is been checked and should be accurate. However, since the conditions of handling and use are beyond our control, we make no guarantee of results, and assume no liability for damages incurred by use of this material. It is the responsibility of the user to comply with all Federal, State, and Local laws and regulations.