

# MATERIAL SAFETY DATA SHEET

## SECTION I - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: **F-360 CHLORINATED CLEANER** ID NUMBER: 6500 PRODUCT USE/CLASS: H.D. CHLORINATED CLEANER  
SUPPLIER: CHEMICAL UNIVERSE, INC. 1133 SALINE N. KANSAS CITY, MO 64116 TELEPHONE: 816-471-3602  
PREPARED BY: E. MALONE EMERGENCY TELEPHONE: 800-424-9300 PREPARE DATE: 01/01/05

## SECTION II - COMPOSITION/INFORMATION ON INGREDIENTS

CHEMICAL NAME	CAS NUMBER	WT. PERCENT IS LESS THAN	TLV-TWA	TLV-STEL	PEL-TWA	SKIN DESIGNATION
Sodium Hypochlorite	7681-52-9	< 15%	2 mg/m <sup>3</sup>	NO INFO	NO INFO	NO
Sodium Hydroxide	1310-73-2	< 40.0	No Info	2 mg/m <sup>3</sup>	No Info	No

(See Section 11 for abbreviation legend)

## SECTION III - PHYSICAL DATA

BOILING RANGE: Decomposes on heating VAPOR DENSITY: No Data ODOR: Chlorine SPECIFIC GRAVITY: 1.8 to 1.26 AT 25C  
APPEARANCE: Clear Amber Liquid EVAPORATION RATE: No Data SOLUBILITY IN H<sub>2</sub>O: Miscible  
(See Section XI for abbreviation legend)

## SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT: NON-FLAMABLE LOWER EXPLOSIVE LIMIT: N/A UPPER EXPLOSIVE LIMIT: N/A  
(TAGLIABUE CUP CLOSED)

EXTINGUISHING MEDIA: NOT APPLICABLE

UNUSUAL FIRE AND EXPLOSION HAZARDS: NONE

SPECIAL FIREFIGHTING PROCEDURES: USE WATER TO COOL CONTAINERS. SMALL FIRE, USE DRY CHEMICAL CARBON DIOXIDE OR WATER AS SPRAY. LARGE FIRE USE WATER IN FLOODING MANNER. HAZARDOUS CONCENTRATION OF CHLORINE MAY DEVELOP. SEE SECTION VIII FOR PERSONAL PROTECTION EQUIPMENT.

## SECTION V - HEALTH HAZARD DATA

EFFECTS OF OVEREXPOSURE - EYE CONTACT: SEVERE IRRITATION AND/OR BURNS CAN OCCUR.

EFFECTS OF OVEREXPOSURE - SKIN CONTACT: SEVERE IRRITATION AND/OR BURNS CAN OCCUR.

EFFECTS OF OVEREXPOSURE - INHALATION: IRRITATING TO THE NOSE, MOUTH, THROAT & LUNGS. CAN CAUSE BURNS TO RESPIRATORY TRACT.

EFFECTS OF OVEREXPOSURE - INGESTION: SEVERE IRRITATION AND/OR BURNS CAN OCCUR TO THE ENTIRE GASTROINTESTINAL TRACT.

FIRST AID - EYE CONTACT: FLUSH EYES WITH COOL WATER FOR AT LEAST 15 MINUTES.

FIRST AID - SKIN CONTACT: FLUSH SKIN WITH COOL WATER FOR AT LEAST 15 MINUTES.

FIRST AID - INHALATION: IMMEDIATELY REMOVE VICTIM TO FRESH AIR. GET MEDICAL ATTENTION IMMEDIATELY.

FIRST AID - INGESTION: CALL PHYSICIAN OR POISON CONTROL CENTER.

PRIMARY ROUTE(S) OF ENTRY: SKIN CONTACT EYE CONTACT

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SECTION VI - REACTIVITY DATA

HAZARDOUS DECOMPOSITION PRODUCTS: NONE KNOWN.

CONDITIONS TO AVOID: AVOID MIXING WITH ANY OTHER CHEMICAL. HIGHLY REACTIVE.

INCOMPATIBILITY: STRONG ACIDS

HAZARDOUS POLYMERIZATION: WILL NOT OCCUR.

SECTION VII - SPILL OR LEAK PROCEDURES

SPILL OR LEAK PRECAUTIONS: CONTAIN SPILLED MATERIAL. TRANSFER TO SECURE CONTAINERS. WHERE NECESSARY, COLLECT USING ABSORBENT MATERIAL.

ENVIRONMENTAL PRECAUTIONS: AVOID UNCONTROLLED RELEASES OF THIS PRODUCT TO THE ENVIRONMENT.

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

SECTION VIII - SAFE HANDLING AND USE INFORMATION

RESPIRATORY PROTECTION: USE RESPIRATOR WHEN EXPOSED TO PRODUCT IN A CLOSED ENVIRONMENT.

VENTILATION: USE IN WELL VENTILATED AREAS. NO SPECIAL PRECAUTIONS NECESSARY.

SKIN PROTECTION: AVOID CONTACT WITH SKIN. WEAR APPROPRIATE PROTECTIVE CLOTHING

EYE PROTECTION: EYE PROTECTION OR FACE SHIELD SHOULD BE WORN WHEN WORKING WITH THIS PRODUCT.

OTHER PROTECTIVE EQUIPMENT: EYE WASH, SAFETY SHOWER AVAILABLE.

HYGENIC PRACTICES: WASH AFTER EACH USE.

SECTION IX - SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: STORE IN COOL, DRY, WELL-VENTILATED PLACE AWAY FROM INCOMPATIBLE MATERIALS.

OTHER PRECAUTIONS: ALWAYS OBEY ALL HAZARD WARNINGS AND HANDLE EMPTY CONTAINERS AS IF THEY WERE FULL

SECTION X - HMIS RATINGS

HMIS RATINGS	HEALTH: 2	FLAMMABILITY: 0	REACTIVITY: 0
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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 %
No SARA Section 313 components exist in this product.		

PREVIOUS MSDS REVISION DATE: 11/17/97

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

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