

ATTN:
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MATERIAL SAFETY DATA SHEET
DATE: 04/17/00

PRODUCT NO. : TC110
PHONE NO. : 920-739-7331

SECTION 1 - PRODUCT IDENTIFICATION

PRODUCT NO. : TC110
PRODUCT NAME : LIME OFF

ATTN: PLANT MGR / SAFETY DIR.

PRODUCT CLASS : -CLEANER, ACID BASE, MILD

SECTION 2 - HAZARDOUS INGREDIENTS

INGREDIENT:	PERCENT	OCCUPATIONAL EXPOSURE LIMITS		VAPOR PRESSURE
		TLV	PEL	
*CAS. NO.				
PHOSPHORIC ACID 75% TECHNICAL	17.5%	NOT KNOWN	1 MG/CUM	15 MMHG
*7664-38-2				

* THIS PRODUCT CONTAINS THE FOLLOWING TOXIC CHEMICALS SUBJECT TO THE REPORTING REQUIREMENTS OF SECTION 313 OF THE EMERGENCY PLANING AND COMMUNITY RIGHT-TO-KNOW ACT OF 1986 AND OF 40 CFR 372. (SARA TITLE III)

HAZARD RATING: HEALTH = 2 FLAMMABILITY = 0 REACTIVITY = 0

SECTION 3 - PHYSICAL DATA

BOILING RANGE: >212 DEG F VAPOR DENSITY: NOT KNOWN
EVAPORATION RATE: [] FASTER [X] SLOWER THAN ETHER 0% VOLATILE
WEIGHT/GALLON: 8.88 #/GAL

SECTION 4 - FIRE AND EXPLOSION HAZARD DATA

FLAMMABILITY CLASSIFICATION: OSHA: NOT APPLICABLE LEL: NOT APPLICABLE
DOT: NOT APPLICABLE

FLASH POINT: NOT APPLICABLE

EXTINGUISHING MEDIA: [] FOAM [] "ALCOHOL" FOAM [] DRY CHEMICAL
[] CO2 [X] WATER FOG [] OTHER

UNUSUAL FIRE AND EXPLOSION HAZARDS: ACID REACTS WITH MOSTO METALS TO RELEASE HYDROGEN GAS WHICH CAN FORM EXPLOSIVE MIXTURES WITH AIR

SPECIAL FIREFIGHTING PROCEDURES: WATER MAY BE USED TO EXTINGUISH FIRE BY COOLING AND DILUTING LIQUID WITH WATER. SELF CONTAINED BREATHING APPARATUS WITH FULL FACEPIECE OPERATED IN PRESSURE-DEMAND OR OTHER POSITIVE PRESSURE MODE AND FULL BODY PROTECTIVE CLOTHING.

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SECTION 5 - HEALTH HAZARD DATA

EFFECTS OF OVEREXPOSURE :**EYES:** CAUSES BURNS.**INHALATION:** MIST CAN CAUSE DAMAGE TO NASAL AND RESPIRATORY PASSAGES.**SKIN CONTACT:** CAUSES BURNS.**FIRST AID PROCEDURES :****EYES:** IMMEDIATELY FLUSH WITH LARGE AMOUNT OF WATER FOR AT LEAST 15 MINUTES. GET IMMEDIATE MEDICAL ATTENTION.**SKIN:** IMMEDIATELY FLUSH EXPOSED AREA WITH WATER FOR AT LEAST 15 MINUTES. GET MEDICAL ATTENTION. REMOVE CONTAMINATED CLOTHING.**INGESTION:** DO NOT INDUCE VOMITING. DILUTE BY GIVING WATER, MILK OF MAGNESIA. KEEP WARM AND QUITE. GET MEDICAL ATTENTION IMMEDIATELY.**INHALATION:** IF AFFECTED, REMOVE TO FRESH AIR.

SECTION 6 - REACTIVITY DATA

STABILITY: UNSTABLE STABLE**HAZARDOUS POLYMERIZATION:** MAY OCCUR WILL NOT OCCUR**HAZARDOUS DECOMPOSITION PRODUCTS:** AT FLAME TEMPERATURES, WILL EMIT TOXIC PHOSPHORUS OXIDE FUMES.**CONDITIONS TO AVOID:** REACTION WITH REACTIVE METALS MAY PRODUCE FLAMMABLE/EXPLOSIVE HYDROGEN-AIR MIXTURE.**INCOMPATIBILITY:** (MATERIALS TO AVOID)-- AVOID CONTACT WITH STRONG ALKALIES, ALKALI METALS. (E.G.-MILD STEEL AND ALUMINUM)

SECTION 7 - SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: COVER CONTAMINATED SURFACE WITH SODIUM BICARBONATE OR A SODA ASH/SLAKED MIXTURE (50-50). SCOOP UP AND WASH AREA WITH SODA ASH SOLUTION.**WASTE DISPOSAL:** FLUSH DOWN DRAIN WITH LARGE AMOUNTS OF WATER IN ACCORDANCE WITH APPLICABLE REGULATIONS.

SECTION 8 -SAFE HANDLING AND USE INFORMATION

RESPIRATORY PROTECTION: USE WITH ADEQUATE VENTILATION.**VENTILATION:** MECHANICAL EXHAUST IF VENTILATION IS NOT ADEQUATE.**PROTECTIVE GLOVES:** RUBBER OR PLASTIC IF CONTACT IS LIKELY.**EYE PROTECTION:** GOGGLES OR FACE SHIELD IF SPLASHING IS LIKELY.**OTHER PROTECTIVE EQUIPMENT:** WEAR IMPERVIOUS CLOTHING AND BOOTS.

SECTION 9 - SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING:

ADDITION TO WATER RELEASES HEAT WHICH CAN RESULT IN VIOLENT BOILING AND SPATTERING. ALWAYS ADD SLOWLY IN SMALL AMOUNTS. NEVER USE HOT WATER. CONTAINERS OF THIS MATERIAL MAY BE HAZARDOUS WHEN EMPTY. FOLLOW ALL CAUTIONS LISTED IN THIS SAFETY DATA SHEET.

THE INFORMATION HEREIN IS GIVEN IN GOOD FAITH BUT NO WARRANTY, EXPRESSED OR IMPLIED, IS MADE.