

lemon cleaner

MATERIAL SAFETY DATA SHEET

HAZARDOUS RATING : HEALTH : 2 FLAMMABILITY : 0 REACTIVITY : 0
(4=VERY HIGH, 3=HIGH, 2=MODERATE, 1=SLIGHT, 0= INSIGNIFICANT)
NA-NOT APPLICABLE, NE-NONE ESTABLISHED, ND-NOT DETERMINED.

PLUS

SECTION 1

PRODUCT IDENTIFICATION

EMERGENCY PHONE : 800-255-3924

MANUFACTURED FOR : INTERNATIONAL CHEMICAL SOUTH

ADDRESS : PO BOX #69 DELRAY, FLORIDA 33444

PRODUCT NO : 9622

TRADE NAME : INSTA CLEAN LEMON

DATE ISSUED : 3/15/94

PREPARED BY : TECHNICAL DEPARTMENT

SECTION 2

INGREDIENTS INFORMATION

CHEMICAL NAME	CAS #	% by wt.	EXPOSURE LIMIT OSHA(PEL), ACGIH(TLV)
POTASSIUM HYDROXIDE	1310-58-3	18-20	2 mg/m3, 2mg/m3
ETHANOLAMINE	141-43-5	1-2	3 ppmTWA, 2mg/m3 TVL
ACRYLIC COPOLYMER	MIXTURE	4-6	NOT ESTABLISHED
PHOSPHATE ESTER	51811-79-1	4-7	NOT ESTABLISHED
TETRASODIUM ETHYLENEDIAMINE			
TETRAACITATE	MIXTURE	5-8	NOT ESTABLISHED
WATER	7732-18-5	60-65	NONE

* INDICATES ITEM IS SUBJECT TO THE REPORTING REQUIREMENTS OF SECTION 313 OF THE EMERGENCY PLANNING & COMMUNITY RIGHT TO KNOW ACT OF 1986 & OF 40CFR372.

SECTION 3

PHYSICAL DATA

BOILING POINT : ABOVE 200°F MELTING POINT : NA (WATER)
FREEZING POINT : ABOUT 32°F % VOLATILE BY VOLUME : 75-80
VAPOR PRESSURE : AS WATER SPECIFIC GRAVITY : 1.100 - 1.120
VAPOR DENSITY : ND SOLUBILITY IN WATER : COMPLETE
EVAPORATION RATE (BUTYL ACETATE =1): NA pH : 12.5-13.0
APPEARANCE : CLEAR LIQUID WITH LEMON ODOR.

SECTION 4

FIRE AND EXPLOSION DATA

FLASH POINT : NA FLAMMABLE LIMITS : NA
EXTINGUISHING MEDIA : NA
SPECIAL FIREFIGHTING PROCEDURES : NA.
UNUSUAL FIRE AND EXPLOSION HAZARDS : CONTAINER MAY BURST IN HEAT OF FIRE.
CORROSIVE MATERIAL.

SECTION 5

HEALTH HAZARD DATA

PRIMARY ROUTE OF ENTRY : SKIN, EYE CONTACT, INHALATION.
SIGNS AND SYMPTOMS : DIRECT CONTACT OF THE PRODUCT WITH EYES CAN CAUSE SEVERE IRRITATION. PROLONGED OR REPEATED CONTACT OF PRODUCT WITH SKIN MAY CAUSE IRRITATION. IF TAKEN INTERNALLY, PRODUCT MAY CAUSE CORROSIVE DAMAGE TO MOUTH, THROAT OR STOMACH. EXCESSIVE INHALATION MAY CAUSE HEADACHE OR DIZZINESS.
FIRST AID PROCEDURES : FLUSH EYES WITH RUNNING WATER FOR 15 MINUTES. IF IRRITATION PERSISTS, SEEK MEDICAL AID. WASH SKIN WITH WATER AND SOAP. IF IRRITATION PERSISTS, SEEK MEDICAL AID. FOR INGESTION, DUE TO EXTREME PH OF PRODUCT, THE POSSIBILITY OF CORROSIVE DAMAGE TO MOUTH, THROAT AND STOMACH SHOULD BE CONSIDERED IN TREATMENT. IF MIST, FOG OR VAPORS CAUSE DISCOMFORT, REMOVE TO FRESH AIR.
MEDICAL CONDITIONS GENERALLY RECOGNIZED AS BEING AGGRAVATED BY EXPOSURE : PERSON WITH PRE-EXISTING SKIN DISORDERS MAY BE MORE SUSCEPTIBLE TO IRRITATING EFFECTS.
CARCINOGENICITY: NTP? IARC Monographs? OSHA Regulated?
Not listed Not listed Not Regulated

SECTION 6**REACTIVITY DATA**

STABILITY : STABLE

STABILITY - CONDITIONS TO AVOID : NA

INCOMPATIBILITY : STRONG ACIDS (MURIATIC ACID), CHLORINE SOLUTIONS, & BLEACH.

HAZARDOUS DECOMPOSITION PRODUCTS : NA

HAZARDOUS POLYMERIZATION : WILL NOT OCCUR.

HAZARDOUS POLYMERIZATION - CONDITIONS TO AVOID : NA

SECTION 7**SPILL OR LEAK PROCEDURES**

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: DANGER! CORROSIVE MATERIAL. FLOORS MAY BECOME SLIPPERY. WEAR APPROPRIATE PROTECTIVE EQUIPMENT AND NIOSH/MSHA APPROVED RESPIRATOR WHERE MIST OR VAPORS OF UNKNOWN CONCENTRATIONS MAY BE GENERATED (SELF-CONTAINED BREATHING APPARATUS PREFERRED). DIKE AND CONTAIN SPILL WITH INERT MATERIAL (SAND, EARTH, ETC.) AND TRANSFER THE LIQUID AND SOLID SEPARATELY TO CONTAINERS FOR RECOVERY OR DISPOSAL. KEEP SPILL OUT OF SEWERS AND OPEN BODIES OF WATER

WASTE DISPOSAL INFORMATION : DISPOSE OF IN COMPLIANCE WITH ALL FEDERAL, STATE AND LOCAL LAWS AND REGULATIONS, INCINERATION IS THE PREFERRED METHOD. CONTAINER DISPOSAL: TRIPLE RINSE (OR EQUIVALENT). THEN OFFER FOR RECYCLING OR RECONDITIONING, OR PUNCTURE AND DISPOSE OF IN A SANITARY LANDFILL, OR INCINERATION, OR IF ALLOWED BY STATE AND LOCAL AUTHORITIES, BY BURNING. IF BURNED, STAY OUT OF SMOKE.

SECTION 8**SPECIAL PROTECTION INFORMATION**

RESPIRATORY PROTECTION: SELF-BREATHING APPARATUS.

VENTILATION TYPE: IN PROCESSES WHERE MISTS AND /OR VAPORS MAY BE GENERATED, PROPER VENTILATION MUST BE PROVIDED IN ACCORDANCE WITH GOOD VENTILATION PRACTICES.

PROTECTIVE GLOVES: RUBBER OR NEOPRENE, WHEN NEEDED, TO PREVENT SKIN CONTACT.

EYE PROTECTION: WEAR CHEMICAL SPLASH GOGGLES WHERE THERE IS A POTENTIAL FOR EYE CONTACT. USE SAFETY GLASSES WITH SIDE SHIELDS UNDER NORMAL USE CONDITIONS. OTHER PROTECTIVE EQUIPMENT EYE WASH, SAFETY SHOWER, PROTECTIVE CLOTHING (LONG SLEEVES, COVERALLS OR OTHER, AS APPROPRIATE), WHEN NEEDED, TO PREVENT SKIN CONTACT.

SECTION 9**SPECIAL PRECAUTIONS**

PRECAUTIONARY LABELING : CAUTION : CONTAINS POTASSIUM HYDROXIDE. UNDILUTED PRODUCT MAY BE IRRITATING TO SKIN OR EYES. IN CASE SUCH CONTACT OCCURS, FLUSH WITH WATER. IF IRRITATION PERSISTS, GET MEDICAL ATTENTION. CAN CAUSE EYE DAMAGE AND SKIN IRRITATION. DO NOT GET IN EYES, ON SKIN, OR ON CLOTHING. WEAR GOGGLES OR FACE SHIELD AND RUBBER GLOVES WHEN HANDLING. HARMFUL IF SWALLOWED. AVOID CONTAMINATION OF FOOD, AVOID BREATHING SPRAY MIST. KEEP OUT OF REACH OF CHILDREN.

OTHER HANDLING AND STORAGE CONDITIONS : STORE AT TEMPERATURES BELOW 140°F. KEEP CONTAINERS CLOSED UNTIL USED. DO NOT CONTAMINATE DRINKING WATER, FOOD OR FEED BY STORAGE OR DISPOSAL.

SECTION 10**ADDITIONAL INFORMATION**

ADDITIONAL INFORMATION : NA

SECTION 11**TRANSPORTATION INFORMATION**

DOT CLASSIFICATION: CORROSIVE MATERIAL.

DOT DESIGNATION: COMPOUNDS, CLEANING LIQUID, (CONTAINS POTASSIUM HYDROXIDE) 8, NA 1760 PG II

SHIPPING NAME : INSTA CLEAN LEMON.
