

MATERIAL SAFETY DATA SHEET**PRODUCT IDENTIFICATION**

PRODUCT: **NRP LIME OUT**
PRODUCT CODE:

HMIS CODES: **H F R**
2 0 1

MANUFACTURER: COMSTAR INTERNATIONAL INC.

ADDRESS: 20-45 128th STREET, COLLEGE POINT, NY 11356

INFORMATION: 718-445-7900

EMERGENCY: CHEMTREC - 800-424-9300

DATE: 5/2003

PREPARER: R. Madariaga

DISTRIBUTOR: NATIONAL REFRIGERATION PRODUCTS

2900 SAMUEL DRIVE · BENSALEM, PA 19020-7306

1-800-352-6951

HAZARDOUS INGREDIENTS / IDENTITY INFORMATION

HAZARDOUS COMPONENTS (SPECIFIC CHEMICAL IDENTITY)	CAS NUM	OSHA PEL	ACGIH TLV	OTHER LIMITS RECOMMENDED (OPTIONAL)	PERCENTAGE
PHOSPHORIC ACID	7664-38-2	1MG/CU.M	1MG/CU.M		
CITRIC ACID	77-92-9	NE	NE		
SURFACTANT PACKAGE	NA	NE	NE		

PHYSICAL/CHEMICAL CHARACTERISTICS

BOILING POINT: 240°F

MELTING POINT: NONE

VAPOR PRESSURE @ 70 DEG F: 8-2 MM HG

SPECIFIC GRAVITY (H₂O=1): 1.5-1.7

VAPOR DENSITY (AIR=1): NON-VOLATILE

EVAPORATION RATE: (BUTYL ACETATE=1): >1

SOLUBILITY IN WATER: COMPLETE

APPEARANCE AND ODOR: LIGHT GREEN COLOR, SLIGHT ODOR

FIRE AND EXPLOSION HAZARD DATA

FLASH POINT: NONE

FLAMMABLE LIMITS: LET: N/A

UEL: N/A

EXTINGUISHING MEDIA: ALL TYPES ARE ACCEPTABLE.

SPECIAL FIREFIGHTING PROCEDURES: SELF-CONTAINED RESPIRATORY PROTECTION SHOULD BE PROVIDED FOR FIREMEN FIGHTING IN BUILDINGS OR CONFINED AREAS.

UNUSUAL FIRE AND EXPLOSION HAZARDS: THERMAL DECOMPOSITION EMIT TOXIC FUMES OF OXIDE OF PHOSPHORUS.

REACTIVITY DATA

STABILITY: YES

HAZARDOUS POLYMERIZATION: WILL NOT OCCUR

CONDITIONS TO AVOID: SEE BELOW

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INCOMPATIBILITY (MATERIALS TO AVOID): STRONG OXIDES AND ALKALINE AGENTS.

HAZARDOUS DECOMPOSITION OR PRODUCTS: SEE FIRE HAZARDS.

HEALTH HAZARD DATA

ROUTE(S) OF ENTRY: INHALATION? NO SKIN? YES INGESTION? YES

HEALTH HAZARDS (ACUTE & CHRONIC): MATERIAL IS CORROSIVE IN NATURE. CAN CAUSE SEVERE CHEMICAL BURNS. IF MIXED OR COMES IN CONTACT WITH CHLORINE BASED MATERIAL CAN CAUSE DANGEROUS FUMES.

CARCINOGENITY: NO NTP? NO IARC MONOGRAPHS? NO OSHA REGULATED? NO

SIGNS AND SYMPTOMS OF EXPOSURE: SKIN REDDNESS OR IRRITATION, RESPIRATORY IRRITATION, NAUSEA, DIZZINESS.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: SKIN OR RESPIRATORY SENSITIVITY.

EMERGENCY AND FIRST AID PROCEDURES:

SKIN: REMOVE CONTAMINATED CLOTHING AND WASH AFFECTED AREA WITH SOAP AND WATER.

EYES: HOLD EYELIDS OPEN AND FLUSH WITH WATER IMMEDIATELY AND CONTINUE FOR 15 MINUTES.

INGESTION: DRINK PLENTY OF WATER AND OR EGG WHITES.

INHALATION: REMOVE TO FRESH AIR.

SEEK MEDICAL ATTENTION IN ALL CASES.

PRECAUTIONS FOR SAFE HANDLING AND USE

STEPS TO BE TAKEN IN CASE OF RELEASE OR SPILL: DIKE SPILL, ADD WATER AND SODA ASH TO NEUTRALIZE SPILL. COLLECT AND HOLD IN A PLASTIC CONTAINER.

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

PRECAUTIONS FOR STORAGE AND HANDLING: KEEP AWAY FROM HEAT, SPARKS, OPEN FLAME OR DIRECT SUNSHINE. DO NOT PUNCTURE OR INCINERATE.

OTHER PRECAUTIONS: INTENTIONAL MISUSE BY DELIBERATELY CONCENTRATION AND INHALING VAPOR CONTENTS CAN BE HARMFUL.

CONTROL MEASURES

RESPIRATORY PROTECTION: USE NIOSH APPROVED RESPIRATOR IF LIMITS ARE EXCEEDED.

VENTILATION: LOCAL EXHAUST: YES

SPECIAL: NONE

MECHANICAL (GENERAL): YES

OTHER: NONE

PROTECTIVE GLOVES: POLYFLUORINATED OR POLYVINYL ALCOHOL OR VITON.

EYE PROTECTION: SAFETY GOGGLES OR FACE SHIELD.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: PLASTIC OR RUBBER APRON.

WORK/HYGIENIC PRACTICES: WASH HANDS AFTER USE.

DISCLAIMER

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