

MATERIAL SAFETY DATA SHEET

HEALTH-1 FLAMMABILITY-2 REACTIVITY-0 PERSONAL PROTECTION-

IDENTITY: 2201 CLEAR - DATED: 04-01-97

SECTION I - MANUFACTURED FOR:

PRO CHEM, INC. - 1475 BLUEGRASS LAKES PARKWAY - ALPHARETTA, GA. 30201 - EMERGENCY AND INFORMATION#: (800) 241-8180

SECTION II - HAZARDOUS INGREDIENTS

CHEMICAL NAME: ISOPROPANOL.

OSHA PEL: ACGIH TLV: 400 PPM. % RAW MTL: < 5. OTHER LIMITS: CAS#: 67-63-0.

CHEMICAL NAME: PROPYLENE GLYCOL METHYL ETHER.

OSHA PEL: ACGIH TLV: 100 PPM. % RAW MTL: < 5. OTHER LIMITS: CAS#: 107-98-2.

CHEMICAL NAME: AMMONIA.

OSHA PEL: ACGIH TLV: 25 PPM. % RAW MTL: < 2. OTHER LIMITS: CAS#:

THIS PRODUCT IS NOT A CARCINOGEN OR POTENTIAL CARCINOGEN AS DEFINED BY OSHA, THE NTP OR THE IARC MONOGRAPHS.

SECTION III - PHYSICAL DATA

BOILING POINT: 178 DEG. F.

APPEARANCE: BLUE CLEAR LIQUID. SLIGHT ALCOHOL ODOR.

SOLUBILITY: INFINITE.

SPECIFIC GRAVITY (H2O=1): 0.994.

VAPOR PRESSURE (MMHG): 26.8 @ 25 DEG. C.

MELTING POINT:

VAPOR DENSITY (AIR=1): 1.1.

EVAPORATION RATE(WATER=1): 1.11.

SECTION IV - FIRE AND EXPLOSION DATA

FLASH POINT: 122 DEG. F.

METHOD USED: CC.

FLAMMABILITY LIMIT: N.A.

LEL: UEL:

EXTINGUISHING MEDIA: DRY CHEMICAL, FOAM, CO2.

SPECIAL FIRE FIGHTING PROCEDURES: NONE.

UNUSUAL FIRE AND EXPLOSION HAZARDS: NONE.

SECTION V - REACTIVITY DATA

STABILITY: STABLE.

CONDITIONS TO AVOID:

INCOMPATIBILITY (MATERIALS TO AVOID): AVOID MIXING WITH ACID.

HAZARDOUS DECOMPOSITION OR BYPRODUCTS: NONE.

HAZARDOUS POLYMERIZATION: NO. CONDITIONS TO AVOID:

SECTION VI - HEALTH HAZARD DATA

ROUTE(S) OF ENTRY: INHALATION? SKIN? INGESTION? EYES?

HEALTH HAZARDS (ACUTE AND CHRONIC):

CARCINOGENICITY: NTP? IARC MONOGRAPHS? OSHA REGULATED?

SIGNS AND SYMPTOMS OF EXPOSURE: LOCAL - CONJUNCTIVITIS, IRRITATION OF SKIN. INHALATION - IRRITATION OF RESPIRATORY TRACT, NAUSEA. INGESTION - DIZZINESS, HEADACHE, NAUSEA.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE:

EMERGENCY AND FIRST AID PROCEDURES: EYES - FLUSH WITH LOW-PRESSURE WATER FOR 15 MINUTES WHILE HOLDING EYELIDS OPEN.

GET MEDICAL ATTENTION. SKIN - REMOVE CONTAMINATED CLOTHING AND SHOES AND WASH SKIN WITH SOAP AND WATER. DO NOT

REUSE CLOTHING UNTIL CLEANED. INHALATION - FOR EXCESSIVE INHALATION, REMOVE VICTIM TO FRESH AIR AND GIVE OXYGEN IF

BREATHING IS DIFFICULT. GET MEDICAL ATTENTION. INGESTION - DRINK LARGE VOLUME OF MILK OR OTHER LIQUID TO DILUTE SUB-

STANCE. CALL A PHYSICIAN IMMEDIATELY. TLV: HAS NOT BEEN DETERMINED.

SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: SMALL SPILLS - WIPE UP PRODUCT, RINSE SOILED AREA WITH WATER DOWN THE DRAIN. LARGE SPILL - STOP LEAK AT THE SOURCE AND COLLECT INTO A SUITABLE CONTAINER, THEN TREAT AS A SMALL SPILL.

WASTE DISPOSAL METHOD: FOLLOW STATE AND LOCAL REGULATIONS FOR DISPOSAL OF LARGE NON-RECLAIMABLE SPILLS.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING:

OTHER PRECAUTIONS:

SECTION VIII - CONTROL MEASURES

RESPIRATORY PROTECTION (SPECIFY TYPE): MULTI-PURPOSE CANISTER MASK FOR CONFINED AREAS.

VENTILATION: LOCAL EXHAUST: MECHANICAL (GENERAL): Y.

SPECIAL: OTHER LIMITS:

PROTECTIVE GLOVES: NONPOROUS RUBBER FOR PROLONGED USE. EYE PROTECTION: SAFETY GLASSES.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: NONE REQUIRED.

WORK & HYGIENIC PRACTICES:

SECTION IX - SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: ALWAYS STORE UNUSED PORTION IN ORIGINAL CONTAINER WITH CAP SECURE. STORE IN A COOL, DRY PLACE AWAY FROM SUNLIGHT, AVOIDING TEMPERATURE EXTREMES.

OTHER PRECAUTIONS: AS WITH ALL CHEMICALS, USE WITH DUE CARE ACCORDING TO LABEL INSTRUCTIONS AND PRECAUTIONS.

SECTION 313 SUPPLIER NOTIFICATION