

MATERIAL SAFETY DATA SHEET QUROX AEROSOL

DATE OF ISSUE: 06/29/2004
SUPERCEDES: 08/20/2001

SECTION I - GENERAL INFORMATION

Chemical Name & Synonyms: Trade Name & Synonyms:
N/A QUROX AEROSOL

Chemical Family: Formula Mixture:
ACIDIC-LATEX MIXTURE X

Manufacturer's Name:
CERTIFIED LABS, DIV. OF NCH CORP.

Address: BOX 152170
IRVING, TEXAS 75015
Prepared By: M McDowell/Chemist
Product Code Number: 5563
Emergency Phone Number: 800-424-9300

SECTION II - HAZARDOUS INGREDIENTS

THE HAZARDS PRESENTED BELOW ARE THOSE OF THE INDIVIDUAL COMPONENTS

Chemical Name (Ingredients): TANNIC ACID
Hazard: IRRITANT
TLV: NOT EST. 1
PEL: NOT EST. 2
STEL: NOT EST.
CAS#: 1401-55-4

Chemical Name (Ingredients): DIPROPYLENE GLYCOL METHYL ETHER
Hazard: IRRITANT
TLV: 100 PPM 1
PEL: 100 PPM 2
STEL: 150 PPM 1
CAS#: 34590-94-8

Chemical Name (Ingredients): VINYL ACRYLIC POLYMER
Hazard: IRRITANT
TLV: N/E 1

PEL: N/E 2
STEL: N/E
CAS#: TRADE SECRET

Chemical Name (Ingredients): AMORPHOUS SYNTHETIC SILICA
Hazard: IRRITANT
TLV: 10 MG/M3 1
PEL: 27 MG/M3 2
STEL: N/E
CAS#: 112926-00-8

SECTION III - PHYSICAL DATA

Boiling Point (f): 180°
Specific Gravity (H2O=1): 1.229
Vapor Pressure (MM HG): 13.34
Color: OFF-WHITE TO TAN
Vapor Density (Air=1): 0.6
Odor: MILD
PH @ 100%: 1.3
Clarity: OPAQUE
Volatile by Volume: 63
Evaporation Rate (BU A/C=1): 0.3
H2O Solubility: COMPLETE
Viscosity: SLIGHT VISCOUS

SECTION IV - FIRE AND EXPLOSION HAZARD

Flash Point: >200°F / SETAFLASH
Flammable Limits: N/A
LEL: N/A UEL: N/A

Extinguishing Media:

Foam: X Alcohol Foam: X CO2: X
Dry Chemical: X Water Spray: X Other:

Special Fire Fighting Procedures:

FIREFIGHTERS SHOULD WEAR A SELF CONTAINED BREATHING APPARATUS AND FULL PROTECTIVE GEAR. EXTINGUISHING MEDIA SHOULD BE CHOSEN BASED ON THE NATURE OF THE SURROUNDING FIRE. COOL FIRE-EXPOSED CONTAINERS WITH WATER SPRAY TO PREVENT BURSTING.

Unusual Fire and Explosion Hazards:

USE CARE AS SPILLS MAY BE SLIPPERY.

Aerosol Level (NFPA 308): 1

NFPA 704 Hazard Rating:

(0=Insignificant 1=Slight 2=Moderate 3=High 4=Extreme)

Health: 1 Flammability: 1 Instability: 0 Special:

SECTION V - HEALTH HAZARD DATA

Threshold Limit Value:

NOT ESTABLISHED FOR MIXTURE. SEE SECTION II.

Effects of Overexposure:

-Acute (Short Term Exposure)

EYE CONTACT: CAUSES IRRITATION SEEN AS STINGING, TEARING, REDNESS, AND A BURNING SENSATION.

SKIN CONTACT: CAUSES DISCOLORATION AND IRRITATION SEEN AS ITCHING AND REDNESS. PRODUCT MAY BE ABSORBED THROUGH THE SKIN IN HARMFUL AMOUNTS.

INHALATION: MIST MAY CAUSE RESPIRATORY IRRITATION SEEN AS COUGHING AND SNEEZING.

INGESTION: CAUSES IRRITATION WITH POSSIBLE NAUSEA, VOMITING, AND DIARRHEA.

-Chronic (Long Term Exposure)

NO HUMAN CHRONIC EFFECTS KNOWN.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE KIDNEY AND LIVER DISEASES AND PRE-EXISTING RESPIRATORY AND SKIN CONDITIONS SUCH AS ASTHMA, EMPHYSEMA, AND DERMATITIS.

TARGET ORGANS: LIVER AND KIDNEYS. THE PRIMARY ROUTES OF EXPOSURE ARE SKIN AND EYE CONTACT.

Primary Routes of Entry: Inhalation: Ingestion: Absorption: X

Emergency and First Aid Procedures:

-Inhalation:

REMOVE FROM THE AREA TO FRESH AIR. SEEK MEDICAL ATTENTION IF RESPIRATORY IRRITATION DEVELOPS OR IF BREATHING BECOMES DIFFICULT.

-Eye Contact:

RINSE THE EYES WITH WATER. REMOVE ANY CONTACT LENSES AND CONTINUE FLUSHING WITH PLENTY OF WATER FOR SEVERAL MINUTES. SEEK MEDICAL ATTENTION IF IRRITATION DEVELOPS.

-Skin Contact:

WASH AFFECTED AREAS WITH LARGE AMOUNTS OF SOAP AND WATER FOR 15 MINUTES. REMOVE CONTAMINATED CLOTHING AND SHOES. SEEK MEDICAL ATTENTION IF IRRITATION PERSISTS. WASH CLOTHING AND CLEAN SHOES BEFORE REUSE.

-Ingestion:

GIVE 3 TO 4 GLASSES OF WATER, BUT DO NOT INDUCE VOMITING. IF VOMITING OCCURS, GIVE FLUIDS AGAIN. SEEK MEDICAL ATTENTION IF DISCOMFORT OCCURS.

-Notes to Physician:

THERE IS NO SPECIFIC ANTIDOTE. TREAT THE PATIENT SYMPTOMATICALLY.

SECTION VI - TOXICITY INFORMATION

Product Contains Chemicals listed as Carcinogen or Potential Carcinogen By:

IARC: NO

NTP: NO

OSHA: NO

ACGIH: NO

OTHER: NO

VOC CONTENT: 1.4% BY WEIGHT, 1.9% BY VOLUME, 17.3 g/L
PMWIR PER GRAM LIMIT 1.20

TANNIC ACID

ORL-RAT LD50: 2260 MG/KG 3.

SKN-MSE TCL0: 476 ug/KG/17D-I TUMORIGENIC 4.

DIPROPYLENE GLYCOL MONOMETHYL ETHER (DPGME)

EYE-HMN SDT: 8 MG MILD

3.

EYE-RBT SDT: 500 MG/24H MILD

3.

SKN-RBT OPEN IRRITATION TEST: 500 MG MILD 3.

SKN-RBT LD50: 10 ML/KG

3.

ORL-RAT LD50: 5400 UL/KG

3.

AMORPHOUS SILICON DIOXIDE

ORL-RAT LD50: >10,000 MG/KG 4.

SKN-RBT LD50: >5,000 MG/KG 4.

VINYL ACRYLIC COPOLYMER EMULSION

ORL-RAT LD50: >10 ML/KG 4.

EYE-RBT: SLIGHT IRRITATION 4.

SKN-RAT: SLIGHT TO MODERATE IRRITATION ON REPEATED APPLICATION 4

SECTION VII - REACTIVITY DATA

Stability: Stable: X Unstable:

Conditions to Avoid: AVOID HEAT, HOT SURFACES, SPARKS, AND OPEN FLAMES.

Incompatibility (Materials to Avoid):

STRONG OXIDIZING AGENTS SUCH AS CHLORINE BLEACH AND CONCENTRATED HYDROGEN PEROXIDE; ALKALIES, MILD STEEL, AND HYDROFLUORIC ACID.

Hazardous Decomposition Products:

OXIDES OF CARBON AND NITROGEN; VARIOUS HYDROCARBONS, AMMONIA, CHLORINE, HYDROGEN CHLORIDE, AND CARBONYL HALIDE. PEROXIDES CAN BE FORMED DURING EXTENDED STORAGE AND FROM EXPOSURE TO AIR.

Hazardous Polymerization:

May Occur: Will Not Occur: X

Conditions to Avoid: N/A

SECTION VIII - SPILL OR LEAK PROCEDURES

Steps to be Taken if Material is Released or Spilled:

DUE TO THE NATURE OF THE AEROSOL PACKAGING, A LARGE SPILL IS UNLIKELY. FOR A SMALL SPILL, WEAR APPROPRIATE PROTECTIVE CLOTHING, VENTILATE THE AREA, ABSORB WITH AN INERT MATERIAL AND TRANSFER ALL MATERIAL INTO A PROPERLY LABELED CONTAINER FOR DISPOSAL. USE CARE AS SPILLS MAY BE SLIPPERY.

Waste Disposal Method(s):

DISPOSE OF IN ACCORDANCE WITH ALL FEDERAL, STATE, AND LOCAL REGULATIONS. TYPICAL DISPOSAL IS TO WRAP THE EMPTY AEROSOL CONTAINER IN SEVERAL LAYERS OF NEWSPAPER AND DISPOSE OF IN THE TRASH. AEROSOL RECYCLING PROGRAMS ARE AVAILABLE IN MANY AREAS. DO NOT PUNCTURE OR INCINERATE THIS CONTAINER.

Neutralizing Agent:

USE SODIUM BICARBONATE OR SODA ASH. ADD CAUTIOUSLY WHILE MIXING. WEAR APPROPRIATE PROTECTIVE EQUIPMENT.

SECTION IX - SPECIAL PROTECTION INFORMATION

Required Ventilation:

LOCAL VENTILATION IS RECOMMENDED TO CONTROL EXPOSURE FROM OPERATIONS THAT CAN GENERATE EXCESSIVE LEVELS OF MISTS. LOCAL VENTILATION IS PREFERRED, BECAUSE IT PREVENTS DISPERSION INTO WORK AREAS BY CONTROLLING IT AT ITS SOURCE.

Respiratory Protection:

RESPIRATORS SHOULD BE SELECTED BY AND USED UNDER THE DIRECTION OF A TRAINED HEALTH AND SAFETY PROFESSIONAL FOLLOWING REQUIREMENTS FOUND IN OSHA'S RESPIRATOR STANDARD (29 CFR 1910.134) AND ANSI'S STANDARD FOR RESPIRATORY PROTECTION (Z88.2-1992). FOR CONCENTRATIONS ABOVE THE TLV AND/OR PEL BUT LESS THAN 10 TIMES THESE LIMITS, A NIOSH APPROVED HALF-FACED PIECE RESPIRATOR EQUIPPED WITH APPROPRIATE CHEMICAL CARTRIDGES MAY BE USED. FOR CONCENTRATIONS GREATER THAN 10 TIMES THE TLV AND/OR PEL, CONSULT THE NIOSH RESPIRATOR DECISION LOGIC FOUND IN PUBLICATION NO. 87-116 OR ANSI Z88.2-1992.

Glove Protection:

NEOPRENE OR NITRILE RUBBER GLOVES SHOULD BE WORN. ENSURE COMPLIANCE WITH OSHA'S PERSONAL PROTECTIVE EQUIPMENT (PPE) STANDARD FOR HAND PROTECTION, 29 CFR 1910.138.

Eye Protection:

SAFETY GLASSES WITH SIDE SHIELDS IF THE METHOD OF APPLICATION PRESENTS THE LIKELIHOOD OF EYE CONTACT. ENSURE COMPLIANCE WITH OSHA'S PERSONAL PROTECTIVE EQUIPMENT (PPE) STANDARD FOR EYE AND FACE PROTECTION, 29 CFR 1910.133.

Other Protection:

WEAR GENERAL-DUTY WORK CLOTHES AND SHOES. A SAFETY SHOWER AND AN EYE WASH STATION SHOULD BE AVAILABLE.

SECTION X - STORAGE AND HANDLING INFORMATION

Storage Temperature: Indoors: X Outdoors: Refrigerated:

Minimum Temperature: 35°F

Maximum Temperature: 120°F

Precautions to be taken in Handling and Storing:

KEEP FROM FREEZING. IF PRODUCT FREEZES ALLOW IT TO SLOWLY WARM TO ROOM TEMPERATURE BEFORE USING.

Other Precautions:

KEEP OUT OF REACH OF CHILDREN. READ THE ENTIRE LABEL BEFORE USING THE PRODUCT. FOLLOW THE LABEL DIRECTIONS. WEAR GLOVES WHEN HANDLING AS THIS PRODUCT MAY DISCOLOR SKIN.

SECTION XI - REGULATORY INFORMATION

Chemical Name	CAS Number	Upper % Limit
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Those ingredients listed above are subject to the reporting requirements of Title III and of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR part 372.

SECTION XII - REFERENCES

1. THRESHOLD LIMIT VALUES FOR CHEMICAL SUBSTANCES AND PHYSICAL AGENTS AND BIOLOGICAL EXPOSURE INDICES, ACGIH, 2004.
2. OSHA PEL.
3. REGISTRY OF TOXIC EFFECTS OF CHEMICAL SUBSTANCES, CCINFOWeb, 2004.
4. VENDOR'S MSDS.

ALL THE COMPONENTS OF THIS PRODUCT ARE IN COMPLIANCE WITH THE TOXIC SUBSTANCES CONTROL ACT (TSCA) AND ARE EITHER LISTED ON THE TSCA INVENTORY OR OTHERWISE EXEMPTED FROM LISTING.

IRR: IRRITANT, FLAM/FLAMMABLE, COMB: COMBUSTIBLE, CORR: CORROSIVE CARC: CARCINOGENIC, TOX: TOXIC, N/A: NOT APPLICABLE, N/E: NOT ESTABLISHED, COC: CLEVELAND OPEN CUP, PWCC: PENSKY-MARTIN CLOSED CUP, FCC: TAGLIABUE CLOSED CUP, TEL: LOWER EXPLOSION LIMIT, UEL: UPPER EXPLOSION LIMIT, NFPA: NATIONAL FIRE PROTECTION ASSOCIATION, IARC: INTERNATIONAL AGENCY FOR THE RESEARCH ON CANCER, NTP: NATIONAL TOXICOLOGY PROGRAM, OSHA: OCCUPATIONAL SAFETY & HEALTH ADMINISTRATION, ACGIH: AMERICAN CONFERENCE OF GOVERNMENTAL INDUSTRIAL HYGIENISTS, TLV: THRESHOLD LIMIT VALUE, PEL: PERMISSIBLE EXPOSURE LIMIT, STEL: SHORT-TERM EXPOSURE LIMIT, MLD: MILD, MOD: MODERATE, SEV: SEVERE, MUT: MUTAGENIC, ASPHYX: ASPHYXANT, PNOS: PARTICLES (INSOLUBLE) NOT OTHERWISE SPECIFIED, SPT: STANDARD DRAIZE TEST, ORL: ORAL, IHL: INHALATION, HM N: HUMAN

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