Material Safety Data Sheet: QUROX

Supercedes Date 08/16/2001 **Issuing Date** 07/21/2009

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name QUROX
Recommended Use Solvent-borne coatings

Information on Manufacturer

CERTIFIED LABS, DIV. OF NCH CORP.
BOX 152170
IRVING, TEXAS 75015

Product Code 0638
Chemical Nature Solvent blend

Emergency Telephone Number

CHEMTREC ® 800-424-9300

2. HAZARDS IDENTIFICATION

Emergency Overview

Warning
Causes skin irritation
Causes eye irritation
May be harmful if inhaled
May be harmful if swallowed

Color Off-white - Light brown **Physical State** Liquid **Odor** Solvent

Potential Health Effects

Principle Route of Exposure	Skin contact, Eye contact.
Primary Routes of Entry	Inhalation, Skin Absorption.
Acute Effects	
Eyes	Causes eye irritation
Skin	Causes skin irritation. May be absorbed through the skin in harmful amounts
Inhalation	Causes respiratory tract irritation. Inhalation may cause central nervous system effects
Ingestion	Ingestion may cause irritation to mucous membranes
Chronic Toxicity	Liver and kidney injuries may occur
Target Organ Effects	Central nervous system, Liver, Kidney.
Aggravated Medical Conditions	Skin disorders, Respiratory system, Liver disorders, Kidney disorders.
Potential Environmental Effects	See Section 12 for additional Ecological information

3. COMPOSITION / INFORMATION ON INGREDIENTS

Component	CAS-No
Tannic acid	1401-55-4
Vinyl acrylic polymer	25067-01-0
Silica, amorphous, precipitated and gel	112926-00-8
Dipropylene glycol mono methyl ether	34590-94-8

4. FIRST AID MEASURES

Eye Contact	Rinse thoroughly with plenty of water, also under the eyelids. Get medical attention if irritation develops and persists
Skin Contact	Wash off immediately with plenty of water for at least 15 minutes. Get medical attention if irritation develops and persists
Inhalation	If inhaled, remove to fresh air. Get medical attention if symptoms occur
Ingestion	Drink 1 or 2 glasses of water. Do not induce vomiting. Get medical attention if symptoms occur
Notes to Physician	Treat symptomatically

5. FIRE-FIGHTING MEASURES

Flash Point >201°F/>94°C **Method** Seta closed cup
Autoignition Temperature No information available
Flammability Limits in Air % No information available
Suitable Extinguishing Media
Foam. Alcohol-resistant foam. Carbon dioxide (CO2). Dry chemical. Water spray. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment
Specific Hazards Arising from the Chemical
Material can create slippery conditions. Dried polymer films are capable of burning
Protective Equipment and Precautions for Firefighters
As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear

NFPA	**Health** 2	**Flammability** 1	**Instability** 0
HMIS	**Health** 2	**Flammability** 1	**Instability** 0

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions	Use personal protective equipment. Ensure adequate ventilation. Prevent further leakage or spillage if safe to do so
Environmental Precautions	Do not flush into surface water or sanitary sewer system
Methods for Containment	Contain spillage, soak up with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and transfer to a container for disposal according to local / national regulations (see section 13)
Methods for Cleaning Up	Pick up and transfer to properly labeled containers
Neutralizing Agent	Not applicable

7. HANDLING AND STORAGE

Handling Avoid contact with skin, eyes, and clothing. Avoid breathing vapors or mists

Storage Keep containers tightly closed in a cool, well-ventilated place. Keep out of the reach of children

Storage Temperature **Minimum** 35°F/2°C **Maximum** 120°F/49°C

Storage Conditions **Indoor** X **Outdoor** **Heated** **Refrigerated**

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Guidelines

Component	ACGIH TLV	OSHA PEL	NIOSH
Tannic acid	No data available	No data available	No data available
Vinyl acrylic polymer	No data available	No data available	No data available
Silica, amorphous, precipitated and gel	3 mg/m^3 PNOS	5 mg/m^3 PNOR	No data available
Dipropylene glycol mono methyl ether	Skin STEL: 150 ppm TWA: 100 ppm	TWA: 100 ppm TWA: 600 mg/m^3 Skin	IDLH: 600 ppm TWA: 100 ppm TWA: 600 mg/m^3 STEL 150 ppm STEL 900 mg/m^3

Engineering Measures Use with local exhaust ventilation

Personal Protective Equipment

Eye/Face Protection Safety glasses with side-shields

Skin Protection Neoprene gloves

Respiratory Protection Use NIOSH approved respiratory protection

General Hygiene Considerations Wear protective gloves/clothing. Ensure that eyewash stations and safety showers are close to the workstation location. Remove and wash contaminated clothing before re-use

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State Liquid
Color Off-white - Light brown
Appearance Opaque
Specific Gravity 1.229
Evaporation Rate 1.07 (Butyl acetate=1)
VOC Content (%) No information available
Vapor Density 1.1
Boiling Point/Range 180°F/82°C
Viscosity Semi-viscous
Odor Solvent
pH 1.3
Bulk Density 10.25
Percent Volatile (Volume) No information available
Vapor Pressure 13.95 mmHg @ 70 °F
Solubility Soluble

10. STABILITY AND REACTIVITY

Chemical Stability Stable under normal conditions

Conditions to Avoid None known

Incompatible Products Strong oxidizing agents, Reducing agents, Bases, Hydrogen fluoride.

Hazardous Decomposition Products Carbon oxides, Nitrogen oxides (NOx), Ammonia, Chlorine, Hydrogen chloride gas , Carbonyl halides.

Possibility of Hazardous Reactions None under normal processing

11. TOXICOLOGICAL INFORMATION

Product Information No information available

Component Information

Acute toxicity

Component	LD50 Oral	LD50 Dermal	LC50 Inhalation	Draize Test	Other
Tannic acid	2260 mg/kg (Rat)	no data available	no data available	no data available	no data available
Vinyl acrylic polymer	no data available	no data available	no data available	no data available	no data available
Silica, amorphous, precipitated and gel	no data available	no data available	no data available	no data available	no data available
Dipropylene glycol mono methyl ether	5230 mg/kg (Rat)	9500 mg/kg (Rabbit)	no data available	no data available	no data available

Chronic Toxicity None known

Component	Mutagenicity	Sensitization	Developmental Toxicity	Reproductive Toxicity	Target Organ Effects
Tannic acid	no data available	no data available	no data available	no data available	no data available
Vinyl acrylic polymer	no data available	no data available	no data available	no data available	no data available
Silica, amorphous, precipitated and gel	no data available	no data available	no data available	no data available	no data available
Dipropylene glycol mono methyl ether	no data available	no data available	no data available	no data available	eyes, respiratory system, CNS

Carcinogenicity There are no known carcinogenic chemicals in this product

Component	ACGIH	IARC	NTP	OSHA	Other
Tannic acid	not applicable	not applicable	not applicable	not applicable	not applicable
Vinyl acrylic polymer	not applicable	not applicable	not applicable	not applicable	not applicable
Silica, amorphous, precipitated and gel	not applicable	not applicable	not applicable	not applicable	not applicable
Dipropylene glycol mono methyl ether	not applicable	not applicable	not applicable	not applicable	not applicable

12. ECOLOGICAL INFORMATION

Product Information No information available

Component Information

Component	Toxicity to Algae	Toxicity to Fish	Microtox	Water Flea	log Pow
Tannic acid	no data available	96 Hr LC50 Gambusia affinis: 37 mg/L	no data available	no data available	N/A
Vinyl acrylic polymer	no data available	no data available	no data available	no data available	N/A
Silica, amorphous, precipitated and gel	no data available	no data available	no data available	no data available	N/A
Dipropylene glycol mono methyl ether	no data available	96 Hr LC50 Pimephales promelas: >10000 mg/L [static]	no data available	48 Hr LC50 Daphnia magna: 1919 mg/L	-0.064

Persistence and Degradability No information available
Bioaccumulation No information available
Mobility No information available

13. DISPOSAL CONSIDERATIONS

Product Disposal Dispose of in accordance with local regulations
Container Disposal Do not re-use empty containers

14. TRANSPORT INFORMATION

DOT Not regulated

TDG Not regulated

ICAO Not regulated

IATA Not regulated

IMDG/IMO Not regulated

15. REGULATORY INFORMATION

Inventories
TSCA Complies
DSL Complies

U.S. Federal Regulations

SARA 313
Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and and Title 40n of the Code of Federal Regulations, Part 372

Component	CAS-No	Weight %	SARA 313 - Threshold Values
Dipropylene glycol mono methyl ether	34590-94-8	1-5	1.0

SARA 311/312 Hazardous Categorization

Acute Health Hazard	Chronic Health Hazard	Fire Hazard	Sudden Release of Pressure Hazard	Reactive Hazard
Yes	Yes	No	No	No

CERCLA

Component	Hazardous Substances RQs	CERCLA EHS RQs
Tannic acid	Not applicable	Not applicable
Vinyl acrylic polymer	Not applicable	Not applicable
Silica, amorphous, precipitated and gel	Not applicable	Not applicable
Dipropylene glycol mono methyl ether	Not applicable	Not applicable

Canada

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR

WHMIS Hazard Class
D2B Toxic materials

16. OTHER INFORMATION

Prepared By Dan Hollas
Supercedes Date 08/16/2001
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Reason for Revision No information available
Glossary No information available
List of References. No information available

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