SAFETY DATA SHEET

SECTION 1 . IDENTIFICATION

Product Name: MaxPox 2:1 — 30 Product Code: MaxPox 2:1 — 30

QUADEX, LLC
564 WEST 9320 SOUTH
SANDY, UT 84070

EMERGENCY CONTACT: PERS
DOMESTIC & CANADA : (800) 633-8253
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SECTION 2. HAZARD(S) IDENTIFICATION

GHS Ratings:

Acute Toxicity - Oral	4	Oral>300+<=2000mg/kg
Acute Toxicity - Dermal	4	Dermal>1000+<=2000mg/kg
Acute Toxicity - Inhalation	4	Gases>2500+<=20000ppm, Vapors>10+<=20mg/l, Dusts&mists>1+<=5mg/l
Skin corrosion/irritation	1B	Destruction of dermal tissue: Exposure < 1 hour Observation < 14 days, visible necrosis in at least one animal
Serious eye damage/eye irritation	1	Serious eye damage: Irreversible damage 21 days after exposure, Draize score: Corneal opacity >= 3, Iritis > 1.5
Skin sensitization	1	Skin sensitizer
Reproductive toxicity	2	Human or animal evidence possibly with other information
Acute aquatic toxicity	A1	Acute toxicity <= 1.00 mg/l
Chronic aquatic toxicity	C1	Acute toxicity <= 1.00 mg/l and lack of rapid degradability and log Kow >= 4 unless BCF < 500

GHS Hazards

H227	Combustible liquid
H302	Harmful if swallowed
H312	Harmful in contact with skin
H314	Causes severe skin burns and eye damage
H317	May cause an allergic skin reaction
H318	Causes serious eye damage
H332	Harmful if inhaled
H361	Suspected of damaging fertility or the unborn child
H400	Very toxic to aquatic life
H410	Very toxic to aquatic life with long lasting effects

GHS Precautions

P201	Obtain special instructions before use
P202	Do not handle until all safety precautions have been read and understood
P260	Do not breathe dust/fume/gas/mist/vapours/spray
P264	Wash hands thoroughly after handling.
P270	Do not eat, drink or smoke when using this product
P271	Use only outdoors or in a well-ventilated area
P272	Contaminated work clothing should not be allowed out of the workplace
P273	Avoid release to the environment
P280	Wear protective gloves/protective clothing/eye protection/face protection
P312	Call a POISON CENTER or doctor/physician if you feel unwell
P363	Wash contaminated clothing before reuse
P391	Collect spillage
P301+P312	IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell
P301+P330+P331	IF SWALLOWED: Rinse mouth. Do NOT induce vomiting
P302+P352	IF ON SKIN: Wash with soap and water
P303+P361+P353	IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower

P304+P340	IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P308+P313	IF exposed or concerned: Get medical advice/attention
P333+P313	If skin irritation or a rash occurs: Get medical advice/attention
P405	Store locked up
P501	Dispose of contents and container in accordance with all local, regional, national and international regulations

Signal Word: Danger

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS number	Weight Concentration %
Proprietary	Proprietary	30.00% - 40.00%
nonyl phenol	84852-15-3	20.00% - 30.00%
Phenol, 4-(1,1-dimethylethyl)-	98-54-4	10.00% - 20.00%
Amine	1477-55-0	5.00% - 10.00%
1,6-Hexanediamine	124-09-4	5.00% - 10.00%
1,5-Pentanediamine, 2 methyl	15520-10-2	1.00% - 5.00%

SECTION 4. FIRST AID MEASURES

Inhalation: If inhaled remove to fresh air. If breathing is difficult, give oxygen. Obtain medical advice if there are persistent symptoms.

Eye Contact: Rinse immediately with plenty of water for at least 15 minutes. Ensure adequate flushing of the eyes by separating the eyelids with fingers. Remove contacts if present and easy to do. Continue rinsing. Get medical attention, if irritation or symptoms of overexposure persists.

Skin Contact: Wash off immediately with soap and plenty of water. Immediately remove contaminated clothing, and any extraneous chemical, if possible to do so without delay. Rinse immediately with plenty of water. Initiate and maintain continuous irrigation until the patient
receives medical care. If medical care is not promptly available, continue to irrigate for one hour. Cover wound with sterile dressing.

Ingestion: If swallowed, call a physician immediately. Only induce vomiting at the instruction of a physician. Never give anything by mouth to an unconscious person.

NOTE TO PHYSICIANS: Application of corticosteroid cream has been effective in treating skin irritation.

SECTION 5. FIRE FIGHTING MEASURES

Flash Point: 81 C (178 F)

LEL: N/A UEL: N/A

Suitable Extinguishing Media:
Use water spray, dry chemical, alcohol-resistant foam, or carbon dioxide.

Use water spray to cool fire-exposed containers.

Unsuitable Extinguishing Media:
Do not use direct water jet - may spread the material.

Specific Hazards Arising from the Chemical:
Product is not highly flammable but may burn if heated.
Decomposition or combustion may produce irritating, corrosive, and/or toxic gases including ammonia, nitrogen oxides, carbon oxides, and organic vapors.
Closed containers may rupture when exposed to heat.

Special Protective Equipment and Precautions for Firefighters:
Wear full protective gear and self-contained breathing apparatus (SCBA).
Avoid contact with skin and eyes.
Approach fire from upwind to avoid hazardous vapors and corrosive fumes.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures:
Evacuate personnel to safe areas. Use self-contained breathing apparatus and chemically protective clothing.

Accidental Release Measures:
If possible, stop flow of product.

Methods and Material for Containment and Cleaning Up:
Place in appropriate chemical waste container. Approach suspected leak areas with caution. Call Emergency Response number for advice.

Environmental Precautions:
Construct a dike to prevent spreading. Do not allow spill to enter into sewers or waterways. Use appropriate containment to avoid environmental contamination.

SECTION 7. HANDLING and STORAGE

Handling Precautions: Use personal protective equipment. Avoid breathing vapor. Avoid contact with eyes, skin and clothing. Keep away from heat and flame. Keep container closed. Use with adequate ventilation. Wash thoroughly after handling.

Storage Requirements: Avoid exposure to heat, light, and air for prolonged periods of time. Store in a cool, dry well ventilated area away from sources of heat and incompatible materials. Eliminate all ignition and incompatible materials. Collect spill with non spark tools.

SECTION 8.EXPOSURE CONTROLS, PERSONAL PROTECTION

Chemical Name / CAS No.	OSHA Exposure Limits	ACGIH Exposure Limits	Other Exposure Limits
Proprietary Proprietary	Not Established	Not Established	Not Established
nonyl phenol 84852-15-3	Not Established	Not Established	Not Established
Phenol, 4-(1,1-dimethylethyl)- 98-54-4	Not Established	Not Established	Not Established
Amine 1477-55-0	Not Established	0.018 ppm Ceiling	NIOSH: 0.1 mg/m3 Ceiling
1,6-Hexanediamine 124-09-4	Not Established	0.5 ppm TWA	Not Established
1,5-Pentanediamine, 2 methyl 15520-10-2	Not Established	Not Established	Not Established

Engineering Controls: Use appropriate engineering control such as process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits. Good general ventilation should be sufficiant to control airborne levels. Where such systems are not effective wear suitable personal protective equipment, which performs satisfactory and meets OSHA or other recognized standards. Consult with local procedures for selection, training, and maintenance of the personal protective equipment.

Eye/face Protection: Wear appropriate protective glasses or splash goggles as described by 29 CFR 1910.133, OSHA eye and face protection regulation, or the Europena standard EN 166.

Skin and Body Protection: Chemical-resistant gloves and goggles, face-shield and synthetic apron or coveralls should be used to prevent contact with eyes, skin or clothing.

Respiratory Protection: Not required for properly ventilated areas. Wear appropriate respirator when ventilation is inadequate.

SECTION 9. PHYSICAL and CHEMICAL PROPERTIES

Appearance:	Not Applicable	**Odor:**	Not Applicable
Vapor Pressure:	0.50 mmHg	**Odor threshold:**	Not Applicable
Vapor Density:	4.1	**pH:**	Not Applicable
Specific Gravity:	0.97	**Melting point:**	Not Applicable
Freezing point:	Not Applicable	**Solubility:**	Not Applicable
Boiling range:	192 - 545°C	**Flash point:**	178°F,81°C
Evaporation rate:	Not Applicable	**Flammability:**	178°F,81°C
Explosive Limits:	N/A	**Partition coefficient (n-octanol/water):**	Not Applicable
Autoignition temperature:	305°C	**Decomposition temperature:**	Not Applicable
Viscosity:	Not Applicable	**% VOL by Volume**	0.00
% Solids by Volume	81.17	**% Solids by Weight**	10.00
Lbs / Gal	8.12		

SECTION 10. STABILITY and REACTIVITY

Chemical Stability:
Stable under normal conditions.
STABLE

Incompatible Materials:
Strong acids, caustics, oxidixers, Avoid uncontrolled exposure to Epoxy Resin, Amine, Isocyanates.

Hazardous Decomposition Products:
Carbon Monoxide. Carbon Dioxide. Nitrogen Oxides; Nitrogen oxide can react with water vapors to form corrossive nitric acid. Ammonia.
Hazardous polymerization will not occur.

SECTION 11. TOXICOLOGICAL INFORMATION

Mixture Toxicity
Oral Toxicity LD50: 2,025mg/kg
Dermal Toxicity LD50: 3,303mg/kg
Inhalation Toxicity LC50: 11mg/L

Component Toxicity
84852-15-3 nonyl phenol
Oral LD50: 1,300 mg/kg (Rat) Dermal LD50: 2,000 mg/kg (Rabbit)

98-54-4	Phenol, 4-(1,1-dimethylethyl)- Oral LD50: 4,000 mg/kg (Rat) Dermal LD50: 2,318 mg/kg (Rabbit)
1477-55-0	Amine Oral LD50: 660 mg/kg (Rat) Dermal LD50: 2 g/kg (Rabbit) Inhalation LC50: 1 mg/L (Rat)
124-09-4	1,6-Hexanediamine Oral LD50: 750 mg/kg (Rat) Dermal LD50: 1,110 mg/kg (Rabbit)
15520-10-2	1,5-Pentanediamine, 2 methyl Oral LD50: 1,690 mg/kg (Rat) Inhalation LC50: 3 mg/L (Rat)

Information on Likely Routes of Exposure:

- **Inhalation:** May cause irritation of the respiratory tract. Prolonged or repeated inhalation of vapors or mists may cause coughing, difficulty breathing, or asthma-like symptoms in sensitized individuals.
- **Skin Contact:** Causes severe skin burns. May cause an allergic skin reaction upon repeated exposure. Prolonged contact may result in dermatitis.
- **Eye Contact:** Eye damage may result in blurred vision or blindness.
- **Ingestion:** Harmful if swallowed. May cause burns of the mouth, throat, and gastrointestinal tract, with abdominal pain, nausea, vomiting, and diarrhea.

Symptoms Related to the Physical, Chemical, and Toxicological Characteristics:

- Burning sensation, redness, blistering, and pain at sites of contact.
- Eye damage may result in blurred vision or blindness.
- Respiratory exposure may cause coughing, wheezing, or shortness of breath.

Skin Contact Ingestion

Eyes Kidneys Liver Skin Respiratory System

Effects of Overexposure

CAS Number	Description	% Weight	Carcinogen Rating

Delayed and Immediate Effects, and Chronic Effects from Short- and Long-Term Exposure:

- **Acute Effects:** No data available.
- **Chronic Effects:** No data available.
- **Reproductive Toxicity:** Suspected of damaging fertility or the unborn child based on animal data.

Aspiration Hazard:

- Not expected to present an aspiration hazard.

STOT (Specific Target Organ Toxicity):

- **Single Exposure:** May cause respiratory tract irritation.
- **Repeated Exposure:** No data available.

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity:

- This product is very toxic to aquatic life (Aquatic Acute Category 1) and very toxic to aquatic life with long-lasting effects (Aquatic Chronic Category 1).
- Not classified as a Marine Pollutant under U.S. DOT; classified as a Marine Pollutant under IMDG.

Persistence and Degradability:

- Contains components that are not readily biodegradable.
- May persist in the environment and contribute to long-term aquatic toxicity.

Bioaccumulative Potential:

- Some components (e.g., branched nonylphenol) show moderate to high potential for bioaccumulation.

Mobility in Soil:

- Certain components are expected to absorb strongly to soils and sediments, resulting in limited mobility.
- Spills may still penetrate soil and contaminate groundwater under certain conditions.

Other Adverse Effects:

- Avoid release to the environment.
- No data available for ozone depletion potential.

Component Ecotoxicity

nonyl phenol	LC50 96 h Pimephales promelas 0.135 mg/L (IUCLID); LC50 96 h Lepomis macrochirus 0.1351 mg/L (EPA) EC50 48 h Daphnia magna 0.14 mg/L (IUCLID) EC50 96 h Pseudokirchneriella subcapitata 0.36 - 0.48 mg/L (EPA); EC50 72 h Pseudokirchneriella subcapitata 0.16 - 0.72 mg/L (EPA); EC50 72 h Desmodesmus subspicatus 1.3 mg/L (IUCLID)
Phenol, 4-(1,1-dimethylethyl)-	LC50 96 h Pimephales promelas 4.71 - 5.62 mg/L (EPA); LC50 96 h Cyprinus carpio 6.9 mg/L (EPA) EC50 48 h Daphnia magna 3.9 mg/L (IUCLID); EC50 48 h Daphnia magna 3.4 - 4.5 mg/L [Static] (EPA) EC50 72 h Desmodesmus subspicatus 11.2 mg/L (IUCLID)
Amine	LC50 96 h Oryzias latipes 87.6 mg/L [semi-static] (ECHA)
1,6-Hexanediamine	LC50 96 h Lepomis macrochirus >56 mg/L (IUCLID); LC50 96 h Pimephales promelas 1825 mg/L (IUCLID) EC50 48 h Daphnia magna 23.4 mg/L (IUCLID) EC50 72 h Pseudokirchneriella subcapitata 15 mg/L (IUCLID); EC50 96 h Pseudokirchneriella subcapitata 14.8 mg/L (IUCLID)

SECTION 13. DISPOSAL INFORMATION

Disposal Methods: Contact supplier if guidance is required. The product should not be allowed to enter drains, water courses or the soil; dispose of this material and its container in a safe way.

Contaminated Pacaging: Dispose of in accordance with applicable local/municipal, state/provincial and federal regulations. Incineration is the preferred method of disposal. Do not discharge to surface water or drains.

SECTION 14. TRANSPORT INFORMATION

UN Number: UN2735

UN Proper Shipping Name: Amines, liquid, corrosive, n.o.s. (Benzene-1,3-Dimethanamine, 1, 5-Pentanediamine, 2-Methyl)

Transport Hazard Class(es): Class 8 - Corrosive

Packing Group: II

Environmental Hazards:

- **Marine Pollutant:** Not regulated as a Marine Pollutant under DOT ground transport; classified as a Marine Pollutant under IMDG.
- Very toxic to aquatic life with long lasting effects.

Transport Labels:

- **Ground (DOT):** Corrosive label required
- **Air (IATA):** Corrosive label required
- **Sea (IMDG):** Corrosive label required, Marine Pollutant

DOT (49 CFR):

- UN2735, Amines, liquid, corrosive, n.o.s. (Benzene-1,3-Dimethanamine, 1, 5-Pentanediamine, 2-Methyl), 8, PG II

- Limited Quantity exemption may apply if inner containers ≤1 L (0.3 gal) and properly packaged

IATA (Air Transport):

- UN2735, Amines, liquid, corrosive, n.o.s. (Benzene-1,3-Dimethanamine, 1, 5-Pentanediamine, 2-Methyl), 8, PG II
- Dangerous Goods in Excepted Quantities of 1 L per inner packaging, 5 L per package for passenger aircraft; up to 30 L per package for cargo aircraft
- Must meet all packing instructions and quantity limits per IATA DGR

IMDG (Maritime Transport):

- UN2735, Amines, liquid, corrosive, n.o.s. (Benzene-1,3-Dimethanamine, 1, 5-Pentanediamine, 2-Methyl), 8, PG II
- Stowage Category: B
- Marine Pollutant: **Yes**
- Avoid discharge into water; follow local environmental regulations

Special Precautions for Users:

- Avoid contact with skin and eyes; vapors may be harmful
- Ensure containers are secure, sealed, and upright during transport
- Segregate from acids and oxidizers according to 49 CFR/IMDG segregation tables.

Transport in Bulk According to Annex II of MARPOL 73/78 and the IBC Code:

Not applicable

Agency	Proper Shipping Name	UN Number	Packing Grou	Hazard Class

SECTION 15. REGULATORY INFORMATION

U.S. Regulations:

- **OSHA (29 CFR 1910.1200):** This product is classified as a hazardous chemical under the OSHA Hazard Communication Standard. Hazards include skin and eye corrosion/irritation, skin sensitization, reproductive toxicity, and aquatic toxicity (acute and chronic).
- **TSCA (Toxic Substances Control Act):** All intentionally added components are listed on the TSCA inventory or are exempt from listing.
- **SARA Title III:**
  - **Section 311/312 (Hazard Categories):** Acute Health Hazard; Chronic Health Hazard; Environmental Hazard.
  - **Section 313:** This product does not contain chemicals subject to reporting above de minimis thresholds unless otherwise noted in Section 3.
- **California Proposition 65:** This product is not intentionally formulated with substances listed under California Proposition 65. Trace levels of listed substances may be present due to raw material impurities.

Canadian Regulations:

- **WHMIS Classification (WHMIS 2015, aligned with GHS):** Corrosive to Metals; Skin Corrosion/Irritation - Category 1; Serious Eye Damage - Category 1; Skin Sensitization - Category 1; Reproductive Toxicity - Category 2; Acute Aquatic Toxcity - Category 1; Chronic Aquatic Toxicity - Category 1.
- **Symbols/Pictograms:** Corrosion; Exclamation Mark; Health Hazard; Environment.
- **Hazardous Products Act (HPA):** Components may be listed on the Ingredient Disclosure List as controlled products under the HPA.

European Union Regulations:

- Components are expected to be compliant with the EU REACH Regulation and listed in EINECS/ELINCS where applicable.
- Classified according to Regulation (EC) No 1272/2008 (CLP): Corrosive to Metals - Category 1; Skin Corrosion/Irritation - Category 1; Eye Damage - Category 1; Skin Sensitization - Category 1; Reproductive Toxicity - Category 2; Acute Aquatic Toxcity - Category 1; Chronic Aquatic Toxicity - Category 1.

Country	Regulation	All Components Listed

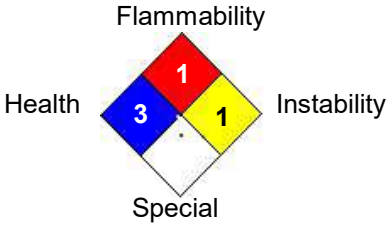
SECTION 16. ADDITIONAL INFORMATION

Hazardous Material Information System (HMIS)

HEALTH	3
FLAMMABILITY	1
PHYSICAL HAZARD	1
PERSONAL PROTECTION	H

HMIS & NFPA Hazard Rating Legend
*** = Chronic Health Hazard**
0 = INSIGNIFICANT
1 = SLIGHT
2 = MODERATE
3 = HIGH

National Fire Protection Association (NFPA)



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