

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Product identifier

Product Name PR-1554

Other means of identification

Product Code 2.4.049

Synonyms Polyurethane Resin

Recommended use of the chemical and restrictions on use

Recommended Use: Water-borne coatings. PC23 - Leather tanning dyes, finishing, impregnation and care products.

Uses advised against No information available

Details of the supplier of the safety data sheet

Manufacturer Address

Quaker Color Division of McAdoo & Allen,
Inc
201 S. Hellertown Avenue
Quakertown, PA 18951 USA

Emergency telephone number

Company Phone Number +1-215-536-3520 (Eastern)

Emergency Telephone PERS Emergency Response Information: Domestic Shipments and to Canada:
1-800-633-8253 • International Shipments: 1-801-629-0667

2. HAZARDS IDENTIFICATION

Classification

OSHA Regulatory Status

This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Skin corrosion/irritation	Category 2
Serious eye damage/eye irritation	Category 2A

Label elements

Emergency Overview

Warning

Hazard statements

Causes skin irritation
Causes serious eye irritation



Appearance Clear to semi-clear

Physical state Liquid

Odor Slight

Precautionary Statements - Prevention

Wash face, hands and any exposed skin thoroughly after handling

Wear protective gloves/protective clothing/eye protection/face protection

Precautionary Statements - Response

Specific treatment (see section 4 on this label)

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing

If eye irritation persists: Get medical advice/attention

IF ON SKIN: Wash with plenty of soap and water

If skin irritation occurs: Get medical advice/attention

Take off contaminated clothing and wash before reuse

Hazards not otherwise classified (HNOC)

Not applicable

Other information**3. COMPOSITION/INFORMATION ON INGREDIENTS**

Synonyms Polyurethane Resin.
Chemical characterization Mixture.
Chemical nature Aqueous dispersion.

Chemical name	CAS No.	Weight-%	Trade secret
Triethylamine	121-44-8	<2	*

*The exact percentage (concentration) of composition has been withheld as a trade secret.

4. FIRST AID MEASURES**Description of first aid measures**

Eye Contact Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. If symptoms persist, call a physician.

Skin Contact Wash off immediately with soap and plenty of water. If skin irritation persists, call a physician.

Inhalation Move to fresh air in case of accidental inhalation of vapours. If symptoms persist, call a physician. If not breathing, give artificial respiration.

Ingestion Clean mouth with water and afterwards drink plenty of water. Never give anything by mouth to an unconscious person. If symptoms persist, call a physician.

Most important symptoms and effects, both acute and delayed

Symptoms No information available.

Indication of any immediate medical attention and special treatment needed

Notes to Physician Treat symptomatically.

5. FIRE-FIGHTING MEASURES**Suitable Extinguishing Media**

Carbon dioxide (CO₂). Dry chemical. Water.

Unsuitable Extinguishing Media None.

Specific hazards arising from the chemical

No information available.

Hazardous combustion products Carbon monoxide. Carbon dioxide (CO₂).

Explosion data

Sensitivity to Mechanical Impact No.

Sensitivity to Static Discharge No.

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.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal precautions Avoid contact with the skin and the eyes. Use personal protective equipment. Ensure adequate ventilation.

Environmental precautions

Environmental precautions Prevent further leakage or spillage if safe to do so. Do not flush into surface water or sanitary sewer system. See Section 12 for additional Ecological Information.

Methods and material for containment and cleaning up

Methods for Containment Contain spill with inert material (e.g. sand, silica gel, binder).

Methods for cleaning up Clean contaminated surface thoroughly. Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder). Sweep up and shovel into suitable containers for disposal.

7. HANDLING AND STORAGE

Precautions for safe handling

Advice on safe handling Handle in accordance with good industrial hygiene and safety practice. Stir before use.

Conditions for safe storage, including any incompatibilities

Storage Conditions Keep containers tightly closed in a cool, well-ventilated place. Do not freeze.

Incompatible Products Strong oxidizing agents.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Exposure Guidelines

Chemical name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Triethylamine 121-44-8	TWA: 1 ppm Skin STEL: 3 ppm	TWA: 10 ppm	200 ppm

Appropriate engineering controls

Engineering Measures Showers
Eyewash stations
Ventilation systems. Ensure adequate ventilation, especially in confined areas.

Individual protection measures, such as personal protective equipment

Eye/face protection Tightly fitting safety goggles.

Skin and body protection	Wear protective gloves and protective clothing. Long sleeved clothing.
Respiratory protection	No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.
General Hygiene Considerations	Handle in accordance with good industrial hygiene and safety practice.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical state	Liquid	Odor	Slight
Appearance	Clear to semi-clear	Odor threshold	No information available
Color	colorless		
Property	Values	Remarks/ • Method	
pH	8.5	Determined	
Melting point / freezing point	No information available		
Boiling point / boiling range	100 °C / 212 °F	Estimated	
Flash point	No data available	No information available	
Specific gravity	0.99	Determined	
Water solubility	dispersible		
Kinematic viscosity	No information available		
Dynamic viscosity	<100 cPs	Determined	
Explosive properties	Not explosive.		
Oxidizing properties	Not an oxidizer		

Other information

Molecular weight	No information available
VOC Content (%)	<9%
Density	0.99 g/cm3

10. STABILITY AND REACTIVITY

Reactivity

No known effects under normal use conditions

Chemical stability

Stable under recommended storage conditions.

Possibility of hazardous reactions

None under normal processing.

Conditions to Avoid

Do not freeze. Excessive heat.

Incompatible materials

Strong oxidizing agents.

Hazardous decomposition products

Thermal decomposition can lead to release of irritating gases and vapours.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Product Information	No acute toxicity information is available for this product
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Component Information

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Triethylamine 121-44-8	= 460 mg/kg (Rat)	= 415 mg/kg (Rabbit) = 570 µL/kg (Rabbit)	= 1250 ppm (Rat) 4 h

Symptoms related to the physical, chemical and toxicological characteristics

Symptoms No information available.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Sensitization No information available.
Germ cell mutagenicity No information available.
Carcinogenicity No component of this product present at levels greater than or equal to 0.1% is listed with NTP, IARC or OSHA.
Reproductive Effects No information available.
STOT - single exposure No information available.
STOT - repeated exposure No information available.
Chronic toxicity No information available.
Neurological Effects None known.
Aspiration Hazard No information available.

Numerical measures of toxicity - Product Information

The following values are calculated based on chapter 3.1 of the GHS document .

ATEmix (oral) >5000 mg/kg

12. ECOLOGICAL INFORMATION**Ecotoxicity**

No data is available on the product itself.

Chemical name	Algae/aquatic plants	Fish	Crustacea
Triethylamine 121-44-8	Not applicable	LC50: =43.7mg/L (96h, Pimephales promelas)	EC50: =200mg/L (48h, Daphnia magna)

Persistence and degradability

No information available.

Bioaccumulation

Partition coefficient.

Chemical name	Partition coefficient
Triethylamine 121-44-8	1.45

Other adverse effects No information available

13. DISPOSAL CONSIDERATIONS**Waste treatment methods**

Waste Disposal Methods Dispose of in accordance with local regulations. Should not be released into the environment.

Contaminated packaging Empty containers should be taken for local recycling, recovery or waste disposal.

Chemical name	RCRA	RCRA - Basis for Listing	RCRA - D Series Wastes	RCRA - U Series Wastes
Triethylamine 121-44-8	waste number U404	Included in waste streams: K156, K157	-	U404

14. TRANSPORT INFORMATION

<u>DOT</u>	Not regulated
<u>TDG</u>	Not regulated
<u>ICAO (air)</u>	Not regulated
<u>IATA</u>	Not regulated
<u>IMDG</u>	Not regulated
<u>RID</u>	Not regulated
<u>ADR</u>	Not regulated

15. REGULATORY INFORMATION

International Inventories

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory Complies

U.S. Federal Regulations

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

Chemical name	SARA 313 - Threshold Values
Triethylamine - 121-44-8	1.0

SARA 311/312 Hazardous

Categorization

Refer to Section 2 of SDS for applicable GHS hazard categories for SARA reporting purposes.

Clean Water Act

CWA - Reportable Quantities

Chemical name	CWA - Reportable Quantities	CWA - Toxic Pollutants	CWA - Priority Pollutants	CWA - Hazardous Substances
Triethylamine 121-44-8	5000 lb	-	-	X

CERCLA

Reportable Quantity (RQ):

Chemical name	Hazardous Substances RQs	CERCLA EHS RQs	RQ
Triethylamine 121-44-8	5000 lb	-	RQ 5000 lb final RQ RQ 2270 kg final RQ

U.S. State Regulations

California Proposition 65

This product contains no listed substances known to the State of California to cause cancer, birth defects or other reproductive harm.

State Right-to-Know

Chemical name	New Jersey	Massachusetts	Pennsylvania
Water 7732-18-5	-	-	X
Triethylamine 121-44-8	X	X	X

16. OTHER INFORMATION**NFPA**

Health hazards 2

Flammability 0

Instability 0

HMIS

Health hazards 2

Flammability 0

Physical hazards 0

Prepared By

Regulations Manager

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11-Jul-2017

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11-Mar-2020

Revision Note

GHS-Classification;

Disclaimer

The information provided on this SDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.

End of Safety Data Sheet