Product Name: RIASORB UV-1130 **Release: 9.3**
SDS Number: R999/M3-2502-722010-US **Date / Revised: 30 Sep., 2025**

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Identifier

Trade Name	RIASORB UV-1130
CAS No.	104810-48-2, 104810-47-1

Recommended use of the chemical and restrictions on use

Relevant identified uses	Stabilizer

Details of the supplier of the safety data sheet

Manufacturer/Supplier	Rianlon Corporation
Street address/ P.O. Box	No.6 Huangshan Road, TEDA Hangu Modern Industrial Park
Country ID/ Postcode/ Place	Tianjin 300480 China
Telephone number	Tel.: +86-22-83718817
	Fax: +86-22-83718815

Emergency telephone number

Emergency telephone number	Tel.: 1-800-255-3924
Opening hours	24 h
Other comments	Language of the phone service is English

2. HAZARD(S) IDENTIFICATION

According to Regulation 2024 OSHA Hazard Communication Standard; 29 CFR Part 1910.1200

Skin Sens., Category 1
Aquatic Acute, Category 2
Aquatic Chronic, Category 2

Label elements

Hazard pictograms:



Signal word: Warning

Hazard statements:
H317: May cause an allergic skin reaction
H401: Toxic to aquatic life
H411: Toxic to aquatic life with long lasting effects

Precautionary statements:
P261: Avoid breathing dust/fume/gas/mist/vapors/spray
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
P302 + P352: IF ON SKIN: Wash with plenty of soap and water
P333 + P317: If skin irritation or rash occurs: Get medical help
P321: Specific treatment sees part 4
P362+P364: Take off contaminated clothing and wash it before reuse
P391: Collect spillage
P501: Dispose of contents/ container to an approved waste disposal plant

Other hazards None

3. COMPOSITION / INFORMATION ON INGREDIENTS

Substance

Hazardous components

Chemical identity	Alpha-3-(3-(2Hbenzotriazol-2-yl)-5-tert-butyl-4-hydroxyphenyl) propionyl- omegahydroxypoly (oxyethylene)
Common name	Not applicable
CAS Number	104810-48-2
Content	25.0-75.0%
Chemical identity	Alpha-3-(3-(2H-benzotriazol-2-yl)-5-tert-butyl-4-hydroxyphenyl) propionyl -omega -3- (3- (2H-benzotriazol-2-yl) - 5- tertbutyl - 4 - hydroxyphenyl) propionyloxypoly(oxyethylene)
Common name	Not applicable
CAS Number	104810-47-1
Content	25.0-50.0%

4. FIRST-AID MEASURES

Description of first aid measures

Inhalation	Move to fresh air. In case of irritation of respiratory system or mucous membranes, seek medical attention. In case of indisposition, seek medical attention. In case of prolonged exposure, seek medical attention
Skin contact	Wash off with soap and plenty of water. Do not use organic solvents
Eye contact	Rinse immediately with plenty of water for at least 15 minutes. In case of eye irritation, seek medical attention
Ingestion	Immediately give plenty (> 500 mL) of water (if possible charcoal slurry) In case of spontaneous vomiting be sure that vomitus can freely drain due to danger of suffocation. Give water repeatedly. Artificial induction of vomiting should be restricted to first aid staff. Give nothing by mouth in cases of unconsciousness or convulsion. Seek medical advice

Most important symptoms and effects, both acute and delayed	Refer to Section 11 - Toxicological Information
Indication of immediate medical attention and special treatment needed	According to the patient's condition and the specific situation of the accident, treatment may be different

5. FIREFIGHTING MEASURES

Extinguishing media

Suitable extinguishing media	Water spray, dry powder, foam, carbon dioxide
Unsuitable extinguishing media	High volume water jet

Special hazards arising from the substance or mixture

Hazardous combustion products	Burning produces noxious and toxic fumes

Advice for firefighters

Special protective equipment for fire-fighters	Wear a positive-pressure supplied-air respirator with full face piece Use personal protective equipment
Further information	Prevent fire extinguishing water from contaminating surface water or the ground water system

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures	Sources of ignition should be kept well clear Use personal protective equipment Avoid contact with the skin, eyes and clothing Do not breathe vapour
Environmental precautions	Prevent entry into sewage systems, ground and surface waters
Methods and materials used for containment and cleaning up	Collect waste in suitable containers, which can be labeled and sealed Take up mechanically and collect in suitable container (adequately labeled) for disposal

7. HANDLING AND STORAGE

Precautions for safe handling

General advice	As with all industrial chemicals, use good industrial practices when handling. Avoid eye, skin, and clothing contact Do not inhale. Do not taste or swallow. Use only with adequate ventilation
Protection against fire and explosion	Grounding is required when emptying into a conductive container. - When flammable solvents are present, the container must be inerted or the system otherwise designed to prevent or contain an explosion. Seek expert advice. In addition, for products packaged in fused-lined (coated) fiber drums, fiber drums with conductive liners, steel drums, steel pails, and

Type " C " FIBC (bulk bags), or other conductive the following instructions also apply: - Always ground this package before emptying. The user is responsible for designing the system to handle liquid and ensuring proper training of employees in the system's use
Inert container or use a system otherwise designed to prevent or contain an explosion - seek expert advice

Conditions for safe storage, including incompatibilities

General advice Keep container tightly closed in a dry and well-ventilated place. Keep away from light. Nitrogen atmosphere is necessary for storage, keep tightly closed. After opening, it is recommended to use it all at once. If it is not used up, please continue to store it under nitrogen seal. It can continue to be used only the quality meets the requirements of the specifications. Recommended storage temperature: < 40 ℃.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Limits

No occupational exposure limits known

Appropriate engineering controls

Ventilation Use with local exhaust ventilation
Use mechanical ventilation for general area control

Personal protective equipment

Eye and face protection Suitable goggles or face protection

Skin protection Hand protection: Protective gloves
Other skin protection: Working clothes, closed footwear

Respiratory protection Respirator must be worn if exposed to vapor
Respirator with a filter

Environmental exposure controls Avoid release to the environment

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state	Liquid	
Color	Yellow to light amber	
Odor	Odorless	
Odor Threshold	No data available	
pH-value *20 - 25 ℃*	6.5 (10 g/L suspension)	
Melting point/freezing point	Not tested	
Initial boiling point/boiling range	166 ℃（0.011 Kpa）	
Flash point	218 ℃ (Closed cup)	DIN EN 2719; ISO 2719

Evaporation rate	Not tested	
Flammability (solid, gas)	Not applicable	
Explosive limits	Not tested	
Vapor pressure *25 °C*	0 Pa	OECD Guideline 104
Vapor density	Not tested	
Relative density	1.169 g/mL	
Solubility(ies) *20 °C* **water**	7.7 mg/L	
Partition coefficient: n-octanol/water	Log Pow : -1.3~5.9	
Auto-ignition temperature	Not tested	
Decomposition temperature	> 250 °C	
Viscosity	7200-7600 mPa•s	

10. STABILITY AND REACTIVITY

Reactivity	None
Chemical stability	Under conditions of normal use and storage, the product is stable
Possibility of hazardous reactions	No dangerous reaction known under conditions of normal use
Conditions to avoid	Avoid all sources of ignition: heat, sparks, open flame
Materials to avoid	Strong oxidizing agents, Reducing agents, Strong bases
Hazardous decomposition products	No hazardous decomposition products under conditions of normal use

11. TOXICOLOGICAL INFORMATION

Acute oral toxicity

LD50/ rat >5000 mg/kg

Acute dermal toxicity

LD50/ rat > 2000 mg/kg

Acute inhalation toxicity

LC50/rat/4h > 5.8 mg/L

Skin irritation/corrosion

Rabbit Non-irritant

Eye irritation/corrosion

Acute effects Non-irritant

Skin Sensitization

(Guinea pig) Maximization test: Caused skin sensitization in animal studies

Aspiration Hazard

Not applicable

Repeated dose toxicity

The substance may cause damage to the liver after repeated ingestion of high doses, as shown in animal studies. Effect

found in rodents only. The relevance to humans is questionable. Due to the species specific mode of action, the effects are not expected to occur in humans.

Genetic toxicity

The substance was not mutagenic in bacteria. The substance was not mutagenic in mammalian cell culture. The substance was not mutagenic in studies with mammals.

Carcinogenicity(IARC; NTP; OSHA; ACGIH)

No data was available concerning carcinogenic activity

Reproductive toxicity

The results of animal studies gave no indication of a fertility impairing effect. Animal studies gave no indication of a developmental toxic effect at doses that were not toxic to the parental animals.

Teratogenicity

In animal studies the substance did not cause malformations.

12. ECOLOGICAL INFORMATION

Toxicity to fish	
Salmo gairdneri/96 h/LC50	2.8 mg/L
Toxicity to aquatic invertebrates	
Daphnia magna/48 h/EC50:	4 mg/L
Toxicity to aquatic plants	
Raphidocelis subcapitata//72 h/EC50:	> 100 mg/L
Toxicity to microorganisms	
Activated sludge/3 h/EC50	> 1000 mg/L
Chronic (long-term) toxicity	
Crustacea	EC50 > 0.78 mg/L, 21 d
Persistence and degradability	Not biodegradable
Bioaccumulative potential	No data available
Mobility in soil	No data available
Other adverse effects	None

13. DISPOSAL CONSIDERATIONS

Waste treatment methods

Waste disposal of product	Dispose of waste at an approved chemical disposal facility in compliance with all current Local, State/Province, Federal/Canadian laws and regulations
Container disposal	Dispose of waste at an approved chemical disposal facility in compliance with all current Local, State/Province, Federal/Canadian laws and regulations

14. TRANSPORT INFORMATION

Land transport

DOT	Not classified as a dangerous good under transport regulations

Sea transport

IMDG	
UN number	3082
UN proper shipping name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (contains BENZOTRIAZOLE DERIVATIVE)
Transport hazard class(es)	9
Packing group	III
Marine pollutant	Yes

Air transport

IATA/ICAO	
UN number	3082
UN proper shipping name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (contains BENZOTRIAZOLE DERIVATIVE)
Transport hazard class(es)	9
Packing group	III
Environmental hazards	Yes

15. REGULATORY INFORMATION

Canada:

Domestic Substances List (DSL):	All components either exempt or listed on the DSL

US:

Toxic Substances Control Act (TSCA):	All component(s) comprising this product are either exempt or listed on the TSCA inventory

United States - Regulations

This material is classified as hazardous under OSHA regulations.

SARA Section 313 Toxic Chemical List:

No components listed.

Toxic Substances Control Act (TSCA) Significant New Use Rule (SNUR):

This product is not subject to a Significant New Use Rule (SNUR).

Toxic Substances Control Act (TSCA) Section 5(e) Consent Orders:

This product is not subject to a Section 5(e) Consent Order.

Toxic Substances Control Act (TSCA) Section 5(f):

This product is not subject to a Section 5(f)/6(a) rule.

Toxic Substances Control Act (TSCA) Section 12(b) Export Notification:

No components listed.

Clean Air Act - Hazardous Air Pollutants (HAP):

This product does not contain any Hazardous Air Pollutants (HAP), as defined by the U.S. Clean Air Act Section 112 (40 CFR 61).

Clean Air Act 602 - Ozone Depleting Substances (ODS):

This product neither contains, nor was manufactured with, a Class I or Class II ozone depleting substance (ODS), as defined by the U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. A, App. A+B).

Pennsylvania Right to Know:

This product does not contain any components that are subject to the Pennsylvania Right-To-Know disclosure requirement.

International Regulations

Chemical Weapons Convention:

This product does not contain any component(s) listed under the Chemical Weapons Convention Schedule of Chemicals.

16. OTHER INFORMATION

Last Revision Date 30/Sep./2025
Preparation Date 01/May/2013
NFPA Rating

Health: 2	Fire: 1	Reactivity: 0	Special:

Important

This information only concerns the above mentioned product and not be valid if used with other product(s) or any process. The information is to our best present knowledge correct and complete and is given in good faith but without warranty. It remains the user's own responsibility to make sure that the information is appropriate and complete.