

Safety Data Sheet



Reliable Instruments for an Unreliable World
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Revision J

1. Identification of the Substance/Preparation and of the Company/Undertaking

Product Identifier

Turner Designs Part Numbers: 6500-120, 6500-220, 2860-220, 2860-221, 2820-220, 8600-225, 2100-320, 8700-250

Product name KEYACID™ RHODAMINE WT LIQUID, FLUOROSENSE CHLOROPHYLL STANDARD SOLUTION, FLUOROSENSE PC STANDARD SOLUTION, ENVIRO-T2 CHLOROPHYLL STANDARD SOLUTION, AQUAFASH CALIBRATION SOLUTION, CYCLOPS-7 CHLOROPHYLL STANDARD SOLUTION, CYANOFLUOR CAL CHECK SOLUTION

Recommended use of the chemical and restrictions on use

Synonyms N/A

Supplier's details

Recommended use Industrial Use Only.
Uses advised against No Information available

Details of the Supplier of the Safety Data Sheet

Turner Designs
1995 N. First Street
San Jose, CA 95112

Ph 408-749-0994
Ph 1-877-316-8049

Emergency Telephone Number

USA: 1-800-255-3924
China: (400-1)-400-120-0751
Other: Collect 1-813-248-0585

2. Hazards Identification

Classification

Not a dangerous substance or mixture according to the Globally Harmonized System (GHS)

EMERGENCY OVERVIEW

Signal word

Not Hazardous

The product contains no substances which at their given concentration, are considered to be hazardous to health

Appearance Red

Physical State Liquid

Odor No Information available

Precautionary statements

P281 – Use personal protective equipment as required

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P262 – Do not get in eyes, on skin, or on clothing
 P261 – Avoid breathing dust/ fume/ gas/ mist/ vapors/ spray
 P264 – Wash face, hands and any exposed skin thoroughly after handling
 P270 – Do not eat, drink or smoke when using this product
 P501 – Dispose of contents/ container to an approved waste disposal plant

Hazards Not Otherwise Classified (HNOC)

OTHER INFORMATION

Unknown Acute Toxicity

98.2 percent of the mixture consists of ingredient(s) of unknown acute toxicity

3. Composition/information on Ingredients

This chemical is not considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910. 1200).

4. First aid measures

First aid measures for different exposure routes

Eye Contact	Rinse thoroughly with plenty of water for at least 15 minutes lifting lower and upper eyelids. Consult a physician.
Skin Contact	Wash skin with soap and water.
INHALATION	Move to fresh air.
INGESTION	Rinse mouth.

Most important symptoms/effects, acute and delayed

Main Symptoms No Information available.

Indication of immediate medical attention and special treatment needed, if necessary

Notes to physician Treat symptomatically.

5. Fire-fighting measures

Suitable extinguishable media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable extinguishing media Keep away from heat and sources of ignition.

Specific Hazards Arising from the Chemical

No Information available.

Explosion Data

Sensitivity to Mechanical Impact None.

Sensitivity to Static Discharge None.

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 skin and the eyes. Use personal protective equipment. For personal protection see section 8. Ensure adequate ventilation.

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Environmental Precautions

Environmental Precautions Prevent further leakage or spillage if safe to do so.

Methods and materials for containment and cleaning up

Methods for Cleaning Up Use personal protective equipment. Dam up. Cover liquid spill with sand, earth or other noncombustible absorbent material. Take up mechanical, placing in appropriate containers for disposal. Clean contaminated surface thoroughly.

7. Handling and Storage

Precautions for Safe Handling

Advice on safe handling Avoid contact with skin, eyes, and clothing. Do not breathe vapors/dust. In case of insufficient ventilation, wear suitable respiratory equipment. Wear personal protective equipment. Handle in accordance with good industrial hygiene and safety practice. Remove and wash contaminated clothing before re-use. Provide appropriate exhaust ventilation at places where dust is formed. Do not eat, drink, or smoke when using this product. Use personal protection recommended in Section 8.

Conditions for safe storage, including any incompatibilities

Technical measures/Storage conditions Store locked up. Keep containers tightly closed in a dry, cool and well-ventilated place. Keep in properly labeled containers. Store in accordance with the particular national regulations. Store in accordance with the local regulations.

Incompatible Products None known based on information supplied.

8. Exposure Controls/ Personal Protection

Control Parameters

Exposure guidelines This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

Exposure Controls

Engineering Measures Showers
 Eyewash stations
 Ventilation systems. Apply technical measures to comply with the occupational exposure limits. Process enclosure and/or ventilation systems

Individual protection measures, such as personal protective equipment

Eye/Face Protection Face-shield. Chemical resistant goggles must be worn. Eyewash fountains should be provided in areas where there is any possibility that workers could be exposed to the substances; this is irrespective of the recommendation involving the wearing of eye protection. If splashes are likely to occur, wear: Goggles.

Skin and Body Protection Skin and Body Protection. Wear protective gloves and protective clothing. Wear impervious protective clothing, including boots, gloves, lab coat, apron or coveralls, as appropriate, to prevent skin contact.

Respiratory Protection If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn.

Hygiene measures Do not eat, drink, or smoke when using this product.

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9. Exposure Controls/ Personal Protection

Physical and Chemical Properties

Physical State Appearance	Liquid Red	Odor	No information available
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<u>Property</u>	<u>VALUES</u>	<u>Remarks •Method</u>
pH	10.00	
Melting point		N/A
Boiling point/boiling range	< 110 °C / 230.00 °F °F	
Flash Point	< 121 °C / < 250.00 °F °F	
Evaporation Rate	no data available	
Flammability (solid, gas)	no data available	no data available
Flammability Limits in Air		
Upper Flammability Limit	No information available	
Lower Flammability Limit	No information available	
Vapor pressure	No information available	
Specific gravity	No information available	N/A
Solubility in Other Solvents	No information available	
Partition coefficient: n-octanol/water	No information available	
Autoignition Temperature	No Data Available	N/A
Decomposition temperature	No information available	
Kinematic viscosity	No Data Available	
Dynamic viscosity	No information available	
Explosive Properties	No information available	
Oxidizing properties	No information available	

OTHER INFORMATION

Softening point	No information available
Molecular Weight	
VOC Content(%)	No information available
Density	No information available

10. Stability and Reactivity

Reactivity

No data available

Chemical Stability

Stability under recommended storage conditions

Hazardous Reactions

None under normal processing

Conditions to avoid

Extremes of temperature and direct sunlight.

Incompatible materials

None known based on information supplied

Hazardous decomposition products

May emit toxic fumes under fire conditions.

11. Toxicological Information

Information on Likely Routes of Exposure

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Product Information

INHALATION	Avoiding breathing vapors or mists.
Eye Contact	Avoid contact with eyes.
Skin Contact	Avoid contact with skin.
INGESTION	Not an expected route of exposure.

Information on Toxicological Effects

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 information available.
Reproductive Toxicity	No information available.
Specific target organ systemic Toxicity (single exposure)	No information available.
Specific target organ systemic Toxicity (repeated exposure)	No information available.
Aspiration Hazard	No information available.

Numerical Measures of Toxicity –Product information

Unknown Acute Toxicity 98.2 percent of the mixture consists of ingredient(s) of unknown acute toxicity
 The following values are calculated based on chapter 3.1 of the GHS document
 A TEMix (oral) 39333 mg/kg

12. Ecological Information**Ecotoxicity**

98.2% of the mixture consists of component(s) of unknown hazards to the aquatic environment

Persistence and Degradability

No information available.

Bioaccumulation

No information available.

Other Adverse Effects

No information available

13. Disposable Considerations**Waste treatment****Waste Disposal Methods**

Should not be released into the environment. Dispose of in accordance with local regulations. This material, as supplied, is not a hazardous waste according to state and federal regulations (40 CFR 261).

Contaminated Packaging

Do not re-use empty containers. Dispose of in accordance with local regulations.

14. Transport Information

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DOT

Description NOT REGULATED

MEX

NOT REGULATED

IATA

Description NOT REGULATED

IMDG

Description NOT REGULATED

RID**ADN**

15. Regulatory Information

International Inventories

TSCA	Listed
EINECS/ELINCS	Listed
DSL	Not Determined
NDSL	Not Determined
PICCS	Not Determined
ENCS	Not Determined
IECSC	Not Determined
AICS	Not Determined
KECL	Not Determined
NZIoC	Not Determined

Legend

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory
EINECS/ELINCS – European Inventory of Existing Commercial Chemical Substances/EU List of Notified Chemical Substances
DSL/NDSL – Canadian Domestic Substances List/ Non-Domestic Substances List
PICCS – Philippines Inventory of Chemicals and Chemical Substances
ENCS – Japan Existing and New Chemical Substances
IECSC – China Inventory of Chemical Substances
AICS – Australian Inventory of Chemical Substances
KECL – Korean Existing and Evaluated Chemical Substances
NZIoC – New Zealand Inventory of Chemicals

REACH registration number Keystone has taken all relative steps to ensure REACH-Compliance. Please contact us with any REACH-Related questions at REACH@Keystone-Europe.CO.UK

RESTRICTIONS – REACH TITLE VIII No information available

US 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 Title 40 of the Code of Federal Regulations, Part 372

SARA 311/312 Hazard Categories

Acute health hazard	NO.
Chronic health hazard	NO.
Fire hazard	NO.
Sudden Release of Pressure Hazard	NO.

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NO.

Clean Water Act

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

CERCLA

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the superfund amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material

US State Regulations**California Proposition 65**

This product does not contain any Proposition 65 chemicals

U.S. State Right-to-Know Regulations

This product does not contain any substances regulated by state right-to-know regulations

International regulations**Mexico – Grade**

Slight risk, Grade 1.

CANADA**WHMIS Note**

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

Non-controlled

HMIS	Health Hazard 1	flammability 1	Physical hazard 0	PERSONAL PROTECTION H
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16. Other Information

Revision Date	12 August 2016
Revision note	No information available.
Restrictions on use	No information available.
Contact Information Website	www.TurnderDesigns.com

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