

Material Safety Data Sheet

TARTRAZINE 1.5% IN ACETIC ACID

Section 1 - Chemical Product and Company Identification

MSDS Name: Tartrazine 1.5% in Acetic Acid
Catalog Numbers: K-693-9, SO-455
Company Identification: ROWLEY BIOCHEMICAL
10 ELECTRONICS AVENUE
DANVERS, MA 01923
For information, call: 978-739-4883
Emergency Number: 800-424-9300
For CHEMTREC assistance, call: 800-424-9300

Section 2 - Hazards Identification

GHS Classifications

HEALTH HAZARDS

H303 **Acute Oral Toxicity:** 5
H312 **Acute dermal Toxicity:** 4
H332 **Acute Inhalation toxicity:** 4
H315 **Skin Corrosion/ Skin Irritation:** 2
H320 **Eye damage/Irritation:** 2B
H373 **Specific Organ Toxicity(Repeated Exposure):** 2

PHYSICAL HAZARDS

H290 **Corrosive to Metals:** 1

ENVIRONMENTAL HAZARDS

Aquatic acute environmental Hazards: Not classified
Chronic environmental Hazards: Not classified

Pictograms or Hazard symbols and Hazard statement.

Warning! May be harmful if swallowed

Warning! Causes eye irritation



Warning! Harmful in contact with skin



Warning! Harmful if inhaled



Warning! Causes skin irritation



Warning! May cause damage to kidneys, mucuous membranes, skin and teeth through prolonged or repeated exposure



Warning! May be corrosive to metals

H303

P312 Call a physician if you feel unwell.

H312

P280 Wear protective gloves, clothing, and eye and face protection.

P302 + P352 If on skin, wash with plenty of water. Remove contact lenses if present and easy to do so. Continue rinsing.

P363 Wash contaminated clothing before reuse.

P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

H332

P261 Avoid breathing fumes/mist/vapors.

P271 Use only outdoors or in a well-ventilated area.

P304 + P340 If inhaled, remove person to fresh air and keep comfortable for breathing.

H315

P264 Wash thoroughly after handling.

P302 + P352 If on skin, wash with plenty of water. Remove contact lenses if present and easy to do so. Continue rinsing.

P332 + P313 If skin irritation occurs, get medical advice/attention.

P362 Take off contaminated clothing and wash before reuse.

H320

P264 Wash thoroughly after handling.

P305 + P351 + P338 If in eyes, rinse cautiously with water for several minutes.

P337 + P313 If eye irritation persists, get medical advice/attention.

H373

P260 Do not breathe fume/gas/mist/vapors.

P314 Get medical advice/attention if you feel unwell.

H290

P234 Keep only in original container.

P390 Absorb spillage to prevent material damage.

P406 Store in corrosive resistant container.

WARNING! May be harmful if swallowed. Causes eye irritation. Harmful in contact with skin. Harmful if inhaled. Causes skin irritation. Causes eye irritation. Avoid contact with skin, eyes and clothing. Wash thoroughly after handling. Do not breathe vapors; use with adequate ventilation. **May be corrosive to metals.** Keep only in original container.

Section 3 – Composition, Information on Ingredients

CAS#	Chemical Name	Percent
1934-21-0	Tartrazine	1.5 w/v
64-19-7	Glacial Acetic Acid	1.5v/v
7732-18-5	Water	Balance

Section 4 - First Aid Measures

Eye Exposure: In case of contact with eyes, flush with copious amounts of water for at least 15 minutes. Assure adequate flushing by separating the eyelids with fingers. Call a physician.

Dermal Exposure: In case of skin contact, flush with copious amounts of water for at least 15 minutes. Remove contaminated clothing and shoes.

Oral Exposure: If Swallowing seek immediate medical advice.

Inhalation Exposure: If inhaled, remove to fresh air. If breathing becomes difficult, call a physician.

Section 5 - Fire Fighting Measures

NFPA HEALTH **1** FLAMMABILITY **0** REACTIVITY **0**

Firefighters should wear proper protective clothing and self contained breathing apparatus with full piece operated in positive pressure mode to prevent contact with skin and eyes. Water may be ineffective in fighting fire. Use water spray to keep for exposed containers cool.

Extinguishing Media: Use water spray, dry chemical powder, or appropriate foam.

Flash Point: N/A

Auto ignition Temperature: N/A

Explosion Limits: N/A

Upper: N/A

Section 6 - Accidental Release Measures

Procedure(s) of Personal Precaution(s):

Wear protective gear.

Methods for Cleaning up: Absorb with sand, earth or vermiculite. Carefully sweep up and containerize for proper disposal.

Section 7 - Handling and Storage

Use care when handling. Wash thoroughly after handling. Store capped at Room temperature. Keep away from incompatible materials.

Section 8 - Exposure Controls, Personal Protection

Engineering Controls:

Mechanical exhaust

Personal Protective Equipment:

Other: Wear appropriate government approved respirator, chemical-resistant gloves, safety goggles, other protective clothing.

Section 9 - Physical and Chemical Properties

Physical State: Liquid

Appearance: Yellow

water.

Vapor Pressure: 2.3 kPa @ 20deg. C

Vapor Density: 0.62 (Air=1)

Evaporation Rate: N/A

Viscosity: N/A

Boiling Point: 100 deg. C

Section 10 - Stability and Reactivity

Chemical Stability: Stable at room temperature in closed containers under normal storage and handling conditions.

Hazardous Decomposition Products: Carbon dioxide and carbon monoxide

Hazardous Polymerization: Will not occur.

Section 11 - Toxicological Information

RTECS#:

CAS# 1934-21-0 Tartrazine RTECS: UC6400000

CAS# 64-19-7 Acetic Acid RTECS: AF1225000

LD50/LC50:

CAS# 1934-21-0 Tartrazine: Oral (LD50): Acute: 12750mg/kg [Mouse]

CAS# 64-19-7 Acetic Acid: Oral (LD50): Acute: 3310mg/kg [Rat]. 4960mg/kg [Mouse]

Dermal: (LD50): Acute: 1060mg/kg [Rabbit] Vapor (LC50): Acute: 5620ppm 1hr [Mouse]
investigated as a mutagen, reproductive effector.

Carcinogenicity:

CAS# 1934-21-0 & 64-19-7: Not listed by ACGIH, IARC, NTP, or CA Prop 65.

Route of exposure:

Multiple routes: May be harmful ingestion, or skin absorption.

Conditions aggravated by exposure:

The toxicological properties have not been thoroughly investigated.

Section 12 - Ecological Information

CAS# 64-19-7 Acetic Acid

Ecotoxicity in water (LC50): 423mg/l 24 hours [Fish(Goldfish)] 88ppm 96 hours
[Fish(fathead minnow)] 75ppm 96 hours [Fish (bluegill sunfish)] >100ppm 96 hours
[Daphnia]

BOD5 and COD: BOD-5: 0.34-0.88g oxygen/g

Products of Biodegradation: Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.

CAS# 1934-21-0 Tartrazine: No Data Available

Section 13 - Disposal Considerations

Appropriate method of disposal of substance or preparation:

Handled as hazardous waste and sent to an RCRA approved incinerator or disposed in an RCRA approved waste facility.

Section 14 – Transport Information

DOT

Non-Regulated

Section 15 - Regulatory Information

Canada Regulatory Information

WHMIS Classification: This product has been classified in accordance with the hazard criteria of the CPR, and the MSDS contains all the information required by the CPR.

European/International Regulations
European Labeling in Accordance with EC Directives

Risk Phrases:

R22 Harmful by inhalation, in contact with skin and if swallowed
R36/38 Irritating to eyes and skin

Safety Phrases:

S20/21 When using do not eat, drink or smoke
S2 Keep out of the reach of children.
S7 Keep container tightly closed.
S9 Keep container in a well-ventilated place
S37/39 Wear suitable gloves and eye/face protection
S49 Keep only in the original container

Section 16 - Additional Information

MSDS Creation Date: 1/8/2010

Revision # 1 10/7/13 MH

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