

SAFETY DATA SHEET

MARTIUS YELLOW

Catalog Numbers: R-69

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

1. PRODUCT IDENTIFICATION:

Synonyms: 2,4-Dinitro-1-Napthol; Acid Yellow 24; C.I. 10315

Formula CAS No.: 605-69-6

Molecular Weight: 274.16

Molecular Formula: C₁₀H₆N₂O₅

2. HAZARDS IDENTIFICATION:

Appearance: Yellow **CAUTION! Irritant!** Irritating to eyes, respiratory system and skin.

GHS Classification

- Skin irritation (Category 2)
- Eye irritation (Category 2A)
- Specific target organ toxicity - single exposure (Category 3)



Pictogram

Signal word Warning

Hazard statement(s)

- H315 Causes skin irritation.
- H319 Causes serious eye irritation.
- H335 May cause respiratory irritation.

Precautionary statement(s)

- P261 Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray.
- P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

HMIS Classification

Health hazard: 2

Flammability: 0

Physical hazards: 0

NFPA Rating

Health hazard: 2

Fire: 0

Reactivity Hazard: 0

Potential Health Effects

Eyes: Avoid contact with eyes.

Skin: May cause allergic skin reaction.
Ingestion: May be harmful if swallowed.
Inhalation: May cause irritation of respiratory tract.
Chronic: No information available

3. COMPOSITION / INFORMATION ON INGREDIENTS:

<u>Chemical Name</u>	<u>CAS No.</u>	<u>Percent</u>	<u>Hazardous</u>
Martius Yellow	605-69-6		No

4. FIRST AID MEASURES:

Eyes: Flush eyes with plenty of water, occasionally lifting the upper and lower eyelids.
Skin: Flush skin with plenty of soap and water.
Ingestion: Never give anything by mouth to an unconscious person. Rinse mouth with water.
Inhalation: Remove from exposure to fresh air immediately. If not breathing, give artificial respiration.
Notes to Physician: Treat symptomatically and supportively.

5. FIRE FIGHTING MEASURES:

General information: As in any fire, wear a self-contained breathing apparatus in pressure demand., MSHA/NIOSH (approved or equivalent), and full protective gear.
Extinguishing Media: Use an agent most appropriate to extinguish fire. Use water spray, dry chemical, carbon dioxide, or appropriate foam.
Flash Point: Not applicable.
Autoignition Temperature: Not applicable.
Explosion Limits, Lower: Not available.
Upper: Not available

6. ACCIDENTAL RELEASE MEASURES:

General Information: Use proper personal protective equipment as indicated in Section 8.
Spills/Leaks: Clean up spills immediately, observing precautions in the Protective Equipment Section. Sweep up, then place into a suitable container for disposal. Avoid generating dusty conditions. Provide ventilation.

7. HANDLING AND STORAGE:

Handling: Wash thoroughly after handling. Remove contaminated clothing and wash before reuse. Use adequate ventilation. Keep container tightly closed. Avoid contact with eyes, skin, and clothing. Avoid ingestion and inhalation. Store protected from light.
Storage: Store in a cool, dry, well ventilated area away from incompatible substances. Store in a tightly closed container. Store protected from light.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION:

Engineering Controls: Use adequate ventilation to keep airborne concentrations low.

<u>Chemical Name</u>	<u>ACGIH</u>	<u>NIOSH</u>	<u>OSHA – Final PEL's</u>
Martius Yellow	None listed	None listed	None listed

OSHA Vacated PELs: No OSHA Vacated PELs are listed for this chemical.

Personal Protective Equipment

Eyes: Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN 166.
Skin: Wear appropriate protective gloves to prevent skin exposure.
Clothing: Wear appropriate protective clothing to prevent skin exposure.
Respirators: Follow the OSHA respirator regulations found in 29CFR 1910.134 or European Standard EN 149. Always use a NIOSH or European Standard EN 149 approved respirator when necessary.

9. PHYSICAL AND CHEMICAL PROPERTIES:

Physical State: Powder
Appearance: Yellow
Odor: Not available.
Freezing/ Melting Point: 130.0 – 133.0 °C (decomposes)
pH: Not available
Vapor Pressure (mm Hg): Not available,
Vapor Density (Air = 1): Not available.
Evaporation Rate: Not available.
Viscosity: Not available.
Boiling Point: Not available.
Decomposition Temperature: Not available
Solubility: Not available.
Specific Gravity/ Density: Not available.

10. STABILITY AND REACTIVITY:

Chemical Stability: Stable at room temperature in closed containers under normal storage and handling conditions.
Conditions to Avoid: Strong oxidizing agents
Incompatibilities with Other Materials: Strong oxidizing agents.
Hazardous Decomposition Products: Carbon monoxide, Carbon dioxide, Nitrogen oxides.
Hazardous Polymerization: Will not occur.

11. TOXICOLOGICAL INFORMATION:

RTECS: CAS#605-69-6: QL3850000
LD50/LC50: CAS#605-69-6 Not available.
Carcinogenicity: CAS#605-69-6: Not listed by ACGIH, IARC, NIOSH, NTP, or OSHA.
Epidemiology: No information available.
Teratogenicity: No information available.
Reproductive Effects: No information available.
Neurotoxicity: No information available.
Mutagenicity: No information available.
Other Studies: No data available.

12. ECOLOGICAL INFORMATION:

Environmental Fate: No information available.
Environmental Toxicity: No data available.

13. DISPOSAL CONSIDERATIONS:

Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. US EPA guidelines for the classification determination are listed in 40 CFR Parts 261.3. Additionally, waste generators must consult state and local hazardous waste regulations to ensure complete and accurate classification.

RCRA P-Series: None listed.
RCRA U-Series: None listed.

14. TRANSPORT REGULATIONS:

Not regulated.

15. REGULATORY INFORMATION:

US FEDERAL

TSCA CAS#605-69-6 is listed on the TSCA inventory. For Research & Development use only.

Health & Safety Reporting List None of the chemicals are on the Health & Safety Reporting List.

Chemical Test Rule None of the chemical in this product are under a Chemical Test Rule.

Section 12b None of the chemical s are listed under TSCA Section 12b.

TSCA Significant New Use Rule None of the chemicals in this material have a SNUR under TSCA.

SARA

CERCLA Hazardous Substances and corresponding RQs None of the chemicals in this material have an RQ.

SARA Section 302 Extremely Hazardous Substances None of the chemicals in this product have a TPQ.

Section 313 No chemicals are reportable under Section 313.

Clean Air Act This material does not contain any hazardous air pollutants. The material does not contain any Class 1 Ozone depletors. This material does not contain any Class 2 Ozone depletors.

Clean Water Act None of the chemicals in this product are listed as Hazardous Substances under the CWA. None of the chemicals in this product are listed as Priority Pollutants under the CWA. None of the chemicals in this product are listed as Toxic Pollutants under the CWA.

OSHA None of the chemicals in this product are considered highly hazardous by OSHA.

STATE CAS#605-69-6 is not present on state lists from CA, PA, MA, MN, FL, or NJ.

California No Significant Risk Level: None of the chemicals in this product are listed.

EUROPEAN/INTERNATIONAL REGULATIONS

European Labeling in Accordance with EC Directives

Hazardous Symbols: Xi

Risk Phrases: R 36/37/38 Irritating to eyes, respiratory system and skin.

Safety Phrases: S 26 – 36/37 in case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Wear suitable protective clothing and gloves.

WGK (Water Danger/Protection) CAS#605-69-6: No information available.

Canada – DSL/NDSL CAS#605-69-6 is not listed on Canada's DSL List. CAS#605-69-6 is listed on Canada's NDSL List.

Canada – WHMIS WHMIS – Not available.

CAS#605-69-6 is not listed on Canada's Ingredient Disclosure List.

Exposure Limits

Section 16 - Additional Information

MSDS Creation Date: 10/15/12

Revision #1. 2/7/14 CF

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