

Safety Data Sheet

Metanil Yellow, C.I. 13065

Section 1 - Chemical Product and Company Identification

SDS Name: Metanil Yellow, C.I. 13065

Catalog Numbers: R-70

Company Identification: Transene Company, Inc., DBA ROWLEY BIOCHEMICAL, Inc.
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

H317-Sensitisation, skin: 1

H318-Serious eye damage/eye irritation: 1

H361-Reproductive toxicity: 2

H401-Hazardous to the aquatic environment, acute hazard: 2

H412-Hazardous to the aquatic environment, long-term hazard: 3

Consists of ingredients of unknown acute inhalation toxicity.

Pictograms or Hazard symbols and Hazard statement(s):



Signal Word: Danger

Hazard Statements:

H317-May cause an allergic skin reaction

H318-Causes eye damage

H361-Suspected of damaging fertility or the unborn child

H401-Toxic to aquatic life

H412-Harmful to aquatic life with long lasting effects

Precautionary Statements:

P201-Obtain special instructions before use.
P202-Do not handle until all safety precautions have been read and understood.
P261-Avoid breathing dust/fume/gas/mist/vapours/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.
P305+P351+P338-If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P308+P313-If exposed or concerned: Get medical advice/attention.
P310-Immediately call a Poison Center/doctor.
P333+P313-If skin irritation or rash occurs: Get medical advice/attention.
P362+P364-Take off contaminated clothing and wash it before reuse.
P405-Store locked up.
P501-Dispose of contents/container in accordance with local/national/international regulations.

Section 3 - Composition, Information on Ingredients

CAS#	Chemical Name	Percent
587-98-4	Metanil Yellow	Approx. 70 w/w

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. Get medical attention.

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

Oral Exposure: If swallowed, get immediate medical advice.

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

Section 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. During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion.

Extinguishing Media: Use dry chemical, carbon dioxide, dry sand, water spray, or alcohol-resistant foam.

Hazardous Combustion Products: Carbon oxides, nitrogen oxides, sulfur oxides, sodium oxides, irritating and toxic fumes and gases.

Flash Point: Not available

Autoignition Temperature: Not available

Explosion Limits, Lower: Not available

Upper: Not available

NFPA Rating: (estimated) Health: 2; Flammability: 0; Instability: 0

Section 6 - Accidental Release Measures

Procedure(s) of Personal Precaution(s):

Wear personal protective equipment. Do not ingest or inhale. Do not get on skin or clothing. Do not get in eyes. Ensure adequate ventilation.

Methods for Cleaning up: Carefully sweep up and containerize for proper disposal. Avoid dust generation and accumulation. Do not release to the environment. Do not release to drains.

Section 7 - Handling and Storage

Use care when handling. Wear personal protective equipment. Wash thoroughly after handling. Use with adequate ventilation. Do not ingest or inhale. Do not get on skin or clothing. Do not get in eyes. Minimize dust generation and accumulation. Keep in a tightly closed container. Store in a cool, dry, and well-ventilated area. Keep away from incompatible materials.

Section 8 - Exposure Controls, Personal Protection

Engineering Controls: Use explosion-proof ventilation equipment. Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Use adequate general or local exhaust ventilation to keep airborne concentrations below the permissible exposure limits.

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 EN166.

Skin: Wear appropriate protective gloves to prevent skin exposure.

Clothing: Wear appropriate protective clothing to prevent skin exposure.

Respirators: A respiratory protection program that meets OSHA's 29 CFR 1910.134 and ANSI Z88.2 requirements or European Standard EN 149 must be followed whenever workplace conditions warrant a respirator's use.

Exposure Limits:

Chemical Name	ACGIH - TLV	NIOSH - IDLH	OSHA - Final PELs
Metanil Yellow CAS#587-98-4	Not listed	Not listed	Not listed

Section 9 - Physical and Chemical Properties

Physical State: Powder Solid
Appearance: Orange
Odor: Odorless
Vapor Pressure: Not available
Odor Threshold: Not available
Vapor Density: Not available
pH: Not available
Relative Density: Not available
Melting point/freezing point: Not available
Solubility: Soluble in water
Boiling Point: Not available
Flash Point: Not available
Evaporation Rate: Not available
Flammability (solid, gas): Not available
Partition coefficient: n-octanol/water: Not available
Autoignition Temperature: Not available
Decomposition temperature: Not available
Viscosity: Not available
Specific Gravity/Density: Not available

Section 10 - Stability and Reactivity

Chemical Stability: Stable under normal temperatures and pressures.
Conditions to Avoid: Incompatible materials and excess heat. Avoid dust formation.
Incompatibilities with Other Materials: Strong oxidizing agents.
Hazardous Decomposition Products: Carbon oxides, nitrogen oxides, sulfur oxides, sodium oxides, irritating and toxic fumes and gases.

Section 11 - Toxicological Information**CAS#587-98-4 Metanil Yellow: RTECS#: DB7329500**

LD50 Oral: 5000 mg/kg (rat)

LC50 Dermal: >2000 mg/kg

LC50 Inhalation: Not listed

Carcinogenicity: Metanil Yellow CAS#587-98-4 is not listed by IARC, NTP, ACGIH, OSHA, or California Prop. 65.

Germ cell mutagenicity: Mutation in mammalian somatic cells.

Reproductive effects: Spermatogenesis.

Note: Laboratory experiments have shown chronic consumption of Metanil Yellow had neurotoxic effects on developing and adult rats (central nervous system).

Information on the likely routes of exposure: Routes of entry anticipated: oral, dermal, inhalation, and eye.

Epidemiology: Not available.

Teratogenicity: Not available.

Reproductive Effects: Suspected of damaging fertility or the unborn child. Experiments have shown reproductive toxicity effects on laboratory animals.

Developmental Effects: Not available.

Neurotoxicity: Laboratory experiments have shown chronic consumption of Metanil Yellow had neurotoxic effects on developing and adult rats (central nervous system).

Mutagenicity: Experiments with human lymphocytes have shown mutagenic effects.

Specific Target Organ Toxicity, Single Exposure: Not available.

Specific Target Organ Toxicity, Repeated Exposure: Not available.

Symptoms associated with exposure: Eye contact may cause irritation, pain, redness, watering. May cause an allergic skin reaction. Symptoms of an allergic reaction may include: rash, dermatitis, itching, swelling, trouble breathing, tingling of hands/feet, dizziness, lightheadedness, chest pain, muscle pain, flushing. Ingestion overexposure may cause changes in the blood (red blood cell count, anemia) and liver. Ingestion overexposure may cause neurotoxicity. Suspected of damaging fertility and/or the unborn child.

The toxicological properties of this material have not been thoroughly investigated.

Section 12 - Ecological Information

Ecotoxicity: Do not release to the environment. Do not release to drains. Toxic to aquatic life. May cause long-term adverse effects to the aquatic environment.

CAS#587-98-4 Metanil Yellow:

LC50, freshwater fish: 10-100 mg/L 96h (poecilia reticulata)(guppy)

Persistence and degradability: Not readily biodegradable.

Bio-accumulative potential: No information available.

Mobility: Will likely be mobile in the environment due to its water solubility.

Section 13 - Disposal Considerations

DISPOSAL: Dispose of in accordance with all federal, state, and local regulations.

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 SDS contains all the information required by the CPR.

Section 16 - Additional Information

SDS Creation Date: 10/15/12

Revision #1: 2-7-14 CF

Revision #2: 12-5-23

Revision #3: 1-5-26

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