

Material Safety Data Sheet

SECTION 1 – IDENTIFICATION OF SUBSTANCE/PREPARATION AND COMPANY

Product Name: Total Bilirubin/Total and Direct Bilirubin Kits – Bilirubin Equivalents 5 and 20 mg/dL
Product Number: B2A101/B2A102
Manufacturer/Supplier: Advanced Instruments, Inc.
Two Technology Way
Norwood, MA 02062
1-781-320-9000

Origin: USA

Date of Issue: 2009-02-13

Chemical Identification(s): Methyl Orange ($C_{14}H_{15}N_3O_3S \cdot Na$) and 2-Hydroxybiphenyl Sodium Salt Tetrahydrate ($C_{12}H_9NaO \cdot 4(H_2O)$)

Intended Use: Bilirubin Equivalents for use with the Advanced Bilirubin Stat-Analyzer (Model BR2).

SECTION 2 – COMPOSITION/INFORMATION ON INGREDIENTS

Component:

Methyl Orange

CAS #:

547-58-0

Synonyms:

Gold Orange, Eniamethyl Orange

Percent:

<1% by weight

Component:

2-Hydroxybiphenyl Sodium Salt Tetrahydrate

CAS #:

132-27-4

Synonyms:

Bactrol, Dovicide A

Percent:

<0.1%

SECTION 3 – HAZARDS IDENTIFICATION

Health

Routes of Entry:

Inhalation, ingestion, or skin contact.

Health Hazards:

Irritating on contact with skin, eyes, mucous membranes, or upper respiratory tract.

Carcinogenicity:

None indicated

Symptoms of Exposure:

None indicated

Medical Conditions Aggravated by Exposure:

None indicated

SECTION 4 – FIRST AID MEASURES

Emergency and First Aid Procedures:

SEEK MEDICAL ASSISTANCE IN ALL CASES OF OVEREXPOSURE.

Eyes:

In case of contact, immediately flush eyes with copious amounts of water for at least 15 minutes.

Skin:

In case of contact, immediately wash skin with soap and copious amounts of water.

Inhalation:

If inhaled, remove to fresh air.

Ingestion:

If conscious, drink water and induce vomiting immediately as directed by medical personnel.

SECTION 5 – FIRE FIGHTING MEASURES

Flash Point (°F):

Not available

Flammable Limits:

LEL: Not available

UEL: Not available

Extinguishing Media:

Water spray, carbon dioxide, dry chemical powder, or appropriate foam

Fire Fighting Procedures:

Wear self-contained breathing apparatus and protective clothing.

Fire and Explosion Hazards:

Not considered to be a fire or explosion hazard.

SECTION 6 – ACCIDENTAL RELEASE MEASURES

Spill Response:

Wear suitable protective equipment listed under Section 8, Exposure Controls/Personal Protection. Eliminate any ignition sources until the area is determined to be free from explosion or fire hazards. Contain the release and eliminate its source, if it can be done without risk. Clean up and place in closed container for proper disposal as described under, Section 13, Disposal Considerations. Comply with local, state, and country regulations on reporting releases. Refer to Section 15, Regulatory Information, for regulatory data.

SECTION 7 – HANDLING AND STORAGE

Keep container tightly closed. Store at controlled room temperature. Do not get in eyes, on skin, or on clothing.

SECTION 8 – EXPOSURE CONTROLS/PERSONAL PROTECTION

Ventilation, Respiratory Protection, Protective Clothing, Eye Protection:

Adequate ventilation is required. Protective gloves must be worn to prevent skin contact (Neoprene or equivalent).

Safety glasses with side shields must be worn at all times.

Work/Hygienic Practices:

Wash hands thoroughly after handling. Do not take internally. Eyewash and safety equipment should be readily available.

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

Appearance:

Orange liquid

Boiling Point:

Not available

Specific Gravity (H₂O = 1):

Not available

Melting Point (°C):

Not available

Evaporation Rate (BuAc = 1):

Not available

Vapor Pressure (mm Hg):

Not available

Vapor Density (AIR = 1):

Not available

Volatility:

Not available

Solubility in Water (%):

Soluble

SECTION 10 – STABILITY AND REACTIVITY

Stability:

Stable

Conditions to Avoid:

Sources of light

Materials to Avoid:

Strong oxidizing agents

Hazardous Decomposition:

Carbon dioxide and carbon monoxide

Hazardous Polymerization:

Will not occur.

Other:

May emit toxic fumes when heated at high temperatures.

SECTION 11 – TOXICOLOGICAL INFORMATION

Symptoms of Exposure:

Ingestion is harmful and may be fatal. Irritating on contact with skin, eyes, mucous membranes, or upper respiratory tract.

Medical Conditions Aggravated by Exposure:

None indicated.

Routes of Entry:

Inhalation, ingestion, or skin contact.

Carcinogenicity:

None indicated

Toxicity Data:

Not available

Toxicological Findings:

Not available

SECTION 12 – ECOLOGICAL INFORMATION

Data not available

SECTION 13 – DISPOSAL CONSIDERATIONS

EPA Waste Numbers:

Not available

Treatment:

Specified Technology – Contact your local permitted waste disposal site (TSD) for permissible treatment sites. ALWAYS CONTACT A PERMITTED WASTE DISPOSAL SITE (TSD) TO ASSURE COMPLIANCE WITH ALL CURRENT LOCAL, STATE, AND COUNTRY REGULATIONS.

SECTION 14 – TRANSPORTATION INFORMATION

DOT Proper Shipping Name:

Not available

DOT ID Number:

Not available

SECTION 15 – REGULATORY INFORMATION

European Information:

Not available

Reviews, Standards, and Regulations:

Not available

SECTION 16 – OTHER INFORMATION

Comments:

None

NFPA Hazard Ratings:

Health: 2

Flammability: 0

Reactivity: 0

Special Hazards: Not available

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