

24-Hour Emergency Telephone 908-859-2151 National Response Center 800-424-8802 Chemtrec 800-424-9300

National Response In Canada CANUTEC 613-996-6666

Outside U.S. and Canada Chemtrec 202-483-7616

SIGNALÉTIQUE

NOTE: CHEMTREC, CANUTEC and National Response Center emergency numbers are to be used only in the event of chemical emergencies involving a spill, leak, fire, exposure or accident involving chemicals. All non-emergency questions should be directed to Customer Service (1-800-JTBAKER) for assistance.

MATERIAL SAFETY

E8750 - 03

Effective:

03/09/92

Evan's Blue

Page: 1 Tasued: 07/10/93

J.T.BAKER INC., 222 Red School Lane, Phillipsburg, NJ 08865

SECTION I - PRODUCT IDENTIFICATION

Product Name:

Evan's Blue

Common Synonyms: Direct Blue 53, CI 23860 Chemical Family: Dyes, Stains, and Indicators

Formula:

C34H24N6O14S4Na4

Formula Wt.:

CAS No. :

960.82

NIOSH/RTECS No.: QJ6440000

314-13-6

Product Use:

Laboratory Reagent

Product Codes:

M372

PRECAUTIONARY LABELING

BAKER SAF-T-DATA* Sustem

FLAMMABILITY SLIGHT

REACTIVITY

SLIGHT

CONTACT MODERATE

Laboratory Protective Equipment









U.S. Precautionary Labeling

CAUTION!

MAY CAUSE IRRITATION. Avoid contact with eyes, skin, clothing. Keep in tightly closed container. Wash thoroughly after handling.



24-Hour Emergency Telephone 908-859-2151 National Response Center 800-424-8802 Chemtrec 800-424-9300

National Response In Canada CANUTEC 613-996-6666

Outside U.S. and Canada Chemtrec 202-483-7616

SIGNALÉTIQUE

NOTE: CHEMTREC, CANUTEC and National Response Center emergency numbers are to be used only in the event of chemical emergencies involving a spill, leak, fire, exposure or accident involving chemicals. All non-emergency questions should be directed to Customer Service (1-800-JTBAKER) for assistance.

E8750 -03

Effective:

03/09/92

Evan's Blue

Page: 2 Issued: 07/10/93

PRECAUTIONARY LABELING (CONTINUED)

International Labeling

Toxic by inhalation, in contact with skin and if swallowed. Possible risks of

irreversible effects.

After contact with skin, wash immediately with Avoid contact with eyes.

plenty of water. Keep container tightly closed.

SAF-T-DATA* Storage Color Code: Orange (general storage)

SECTION II - COMPONENTS

Component Evan's Blue

CAS No. 314-13-6

Weight %

OSHA/PEL

ACGIH/TLU

N/E

SECTION III - PHYSICAL DATA

Boiling Point: N/A

Vapor Pressure (mmHg): N/A

Melting Point: N/A

Vapor Density (air=1): N/A

Specific Gravity: N/A

 $(H_{2}0=1)$

Evaporation Rate: N/A

Solubility(H₂O): Appreciable (>10%)

% Volatiles by Volume: 0

(21°C)

PH: N/A

Odor Threshold (ppm): N/A

Physical State: Solid

Coefficient Water/Oil Distribution: N/A

Appearance & Odor: Blue crystals.



24-Hour Emergency Telephone 908-859-2151 National Response Center 800-424-8802 Chemtrec 800-424-9300 National Response In Canada CANUTEC 613-996-6666

Outside U.S. and Canada Chemtrec 202-483-7616 MATERIAL SAFET

HOJAS DE DATOS DE SEGURIDAD

NOTE: CHEMTREC, CANUTEC and National Response Center emergency numbers are to be used <u>only in</u> the event of chemical emergencies involving a spill, leak, fire, exposure or accident involving chemicals. All non-emergency questions should be directed to Customer Service (1-800-JTBAKER) for assistance.

E8750 -03

Effective: 03/09/92

Evan's Blue

Page: 3

Issued: 07/10/93

SECTION IU - FIRE AND EXPLOSION HAZARD DATA

Flash Point (Closed Cup): N/A

Autoignition Temperature: N/A

Flammable Limits: Upper - N/A

Lower - N/A

Fire Extinguishing Media

Use extinguishing media appropriate for surrounding fire.

Special Fire-Fighting Procedures

Firefighters should wear proper protective equipment and self-contained breathing apparatus with full facepiece operated in positive pressure mode.

<u> Unusual Fire & Explosion Hazards</u>

None identified.

Toxic Gases Produced sulfur dioxide, oxides of nitrogen, carbon monoxide, carbon dioxide

Explosion Data-Sensitivity to Mechanical Impact

None identified.

Explosion Data-Sensitivity to Static Discharge

None identified.

eranton o urotro vozopo noto

SECTION V - HEALTH HAZARD DATA

Threshold Limit Value (TLV/TWA): Not Established

Short-Term Exposure Limit (STEL): Not Established

Permissible Exposure Limit (PEL): Not Established

Toxicity of Components

No information is available

Carcinogenicity: NTP: No IARC: No Z List: No OSHA Reg: No

Carcinogenicity

None identified.



24-Hour Emergency Telephone 908-859-2151 National Response Center 800-424-8802 Chemtrec 800-424-9300

National Response In Canada CANUTEC 613-996-6666

Outside U.S. and Canada Chemtrec 202-483-7616 SIGNALÉTIQUE

DE SEGURIDAD

NOTE: CHEMTREC, CANUTEC and National Response Center emergency numbers are to be used only in the event of chemical emergencies involving a spill, leak, fire, exposure or accident involving chemicals. All non-emergency questions should be directed to Customer Service (1-800-JTBAKER) for assistance.

E8750 -03

Effective:

03/09/92

Evan's Blue

Page: 4

Issued: 07/10/93

SECTION U - HEALTH HAZARD DATA (CONTINUED)

Reproductive Effects

None identified.

Effects of Overexposure

INHALATION:

none identified

SKIN CONTACT:

irritation

EYE CONTACT:

irritation

SKIN ABSORPTION: none identified

INGESTION:

none identified

CHRONIC EFFECTS: none identified

Target Organs

none identified

Medical Conditions Generally Aggravated by Exposure

none identified

Primary Routes of Entry

skin contact, eye contact

Emergency and First Aid Procedures

INGESTION:

CALL A PHYSICIAN.

If swallowed, if conscious, immediately

induce vomiting.

INHALATION:

If inhaled, remove to fresh air. If not breathing, give

artificial respiration. If breathing is difficult, give

oxygen.

SKIN CONTACT: In case of contact, flush skin with water.

EYE CONTACT:

In case of eye contact, immediately flush with plenty of

water for at least 15 minutes.

SARA/TITLE III HAZARD CATEGORIES and LISTS

Reactivity: No Acute: Yes Chronic: Yes Flammability: No Pressure: No



24-Hour Emergency Telephone 908-859-2151 National Response Center 800-424-8802 Chemtrec 800-424-9300

National Response In Canada CANUTEC 613-996-6666

Outside U.S. and Canada Chemtrec 202-483-7616 <u>SIGNALÉTIQUE</u>

HOJAS DE DATOS DE SEGURIDAD

MATERIAL SAFETY DATA SHEET

NOTE: CHEMTREC, CANUTEC and National Response Center emergency numbers are to be used only in the event of chemical emergencies involving a spill, leak, fire, exposure or accident involving chemicals. All non-emergency questions should be directed to Customer Service (1-800-JTBAKER) for assistance.

E8750 -03

Effective: 03/09/92 Evan's Blue

Page: 5

Issued: 07/10/93

SECTION U - HEALTH HAZARD DATA (CONTINUED)

Extremely Hazardous Substance: No CERCLA Hazardous Substance:

SARA 313 Toxic Chemicals:

Mo

TSCA Inventory:

Yes

SECTION UI - REACTIVITY DATA

Stability: Stable

Hazardous Polymerization: Will not occur

Conditions to Avoid:

none documented

Incompatibles:

strong oxidizing agents, strong reducing agents

Decomposition Products: oxides of sulfur, oxides of nitrogen, carbon monoxide,

carbon dioxide

SECTION VII - SPILL & DISPOSAL PROCEDURES . "我是我们是我们就是我们的我们的我们也是我们的我们会是我们的我们就是我们的我们也没有这样的。" "我们也是我们的我们也没有这样的,我们也会会会会会会会会会

Steps to be Taken in the Event of a Spill or Discharge Wear self-contained breathing apparatus and full protective clothing. With clean shovel, carefully place material into clean, dry container and cover; remove from area. Flush spill area with water.

Disposal Procedure

Dispose in accordance with all applicable federal, state, and local environmental regulations.

SECTION VIII - INDUSTRIAL PROTECTIVE EQUIPMENT

Ventilation:

Use adequate general or local exhaust ventilation to

keep fume or dust levels as low as possible.

Respiratory Protection: None required where adequate ventilation conditions

If airborne concentration is high, use an exist.

appropriate respirator or dust mask.

Eye/Skin Protection:

Safety goggles, uniform, rubber gloves arerecommended.



24-Hour Emergency Telephone 908-859-2151 National Response Center 800-424-8802 Chemtrec 800-424-9300

National Response In Canada CANUTEC 613-996-6666

Outside U.S. and Canada Chemtrec 202-483-7616

FICHE SIGNALÉTIQUE

HOJAS DE DATOS

DE SEGURIDAD

MATERIAL SAFETY DATA SHEET

NOTE: CHEMTREC, CANUTEC and National Response Center emergency numbers are to be used only in the event of chemical emergencies involving a spill, leak, fire, exposure or accident involving chemicals. All non-emergency questions should be directed to Customer Service (1-800-JTBAKER) for assistance.

E8750 -03

Effective: 03/09/92 Evan's Blue

Page: 6

Issued: 07/10/93

SECTION IX - STORAGE AND HANDLING PRECAUTIONS

SAF-T-DATA* Storage Color Code: Orange (general storage)

Storage Requirements

Suitable for any general chemical storage Keep container tightly closed.

SECTION X - TRANSPORTATION DATA AND ADDITIONAL INFORMATION

Domestic (D.O.T.)

Proper Shipping Name: Chemicals, n.o.s. (Non-regulated)

International (I.M.O.)

Proper Shipping Name: Chemicals, n.o.s. (Non-regulated)

Marine Pollutants: No

AIR (I.C.A.O.)

Proper Shipping Name: Chemicals, n.o.s. (Non-regulated)

U.S. Customs Harmonization Number: 32041200004

N/A = Not Applicable or Not Available

N/E = Not Established

The information in this Material Safety Data Sheet meets the requirements of the United States OCCUPATIONAL SAFETY AND HEALTH ACT and regulations promulgated thereunder (29 CFR 1910.1200 et. seq.) and the Canadian WORKPLACE HAZARDOUS MATERIALS INFORMATION SYSTEM. This document is intended only as a guide to the appropriate precautionary handling of the material by a person trained in, or supervised by a person trained in, chemical handling. The user is responsible for determining the precautions and dangers of this chemical for his or her particular application. Depending on usage, protective clothing including eye and face guards and respirators must be used to avoid contact with material or breathing chemical vapors/fumes.

Exposure to this product may have serious adverse health effects. chemical may interact with other substances. Since the potential uses are so varied, Baker cannot warn of all of the potential dangers of use Baker warrants that or interaction with other chemicals or materials. the chemical meets the specifications set forth on the label.

Continued on Page:



E8750 -03

Effective:

J.T. Baker Inc. 222 Red School Lane Phillipsburg, NJ 08865

03/09/92

24-Hour Emergency Telephone 908-859-2151 National Response Center 800-424-8802 Chemtrec 800-424-9300

National Response In Canada CANUTEC 613-996-6666

Outside U.S. and Canada Chemtrec 202-483-7616 SIGNALÉTIQUE

DE SEGURIDAD

NOTE: CHEMTREC, CANUTEC and National Response Center emergency numbers are to be used only in the event of chemical emergencies involving a spill, leak, fire, exposure or accident involving chemicals. All non-emergency questions should be directed to Customer Service (1-800-JTBAKER) for assistance.

Evan's Blue

Page: 7

Issued: 07/10/93

BAKER DISCLAIMS ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED WITH REGARD TO THE PRODUCT SUPPLIED HEREUNDER, ITS MERCHANTABILITY OR ITS FITNESS FOR A PARTICULAR PURPOSE.

The user should recognize that this product can cause severe injury and even death, especially if improperly handled or the known dangers of use are not heeded. READ ALL PRECAUTIONARY INFORMATION. As new documented general safety information becomes available, Baker will periodically

revise this Material Safety Data Sheet. Note: CHEMTREC, CANUTEC, and NATIONAL RESPONSE CENTER emergency telephone numbers are to be used ONLY in the event of CHEMICAL EMERGENCIES involving a spill, leak, fire, exposure, or accident involving chemicals. All non-emergency questions should be directed to Customer Service (1-800-JTBAKER) for assistance.

J.T.BAKER INC. COPYRIGHT 1993 * TRADEMARKS OF J.T.BAKER INC.

Approved by Quality Assurance Department.