Material Safety Data Sheet

SECTION 1 – IDENTIFICATION OF SUBSTANCE/PREPARATION AND COMPANY

Product Name: Dye Solution
Product Number: AP4160
Manufacturer/Supplier: Advanced Instruments, Inc.
Two Technology Way
Norwood, MA 02062
1-781-320-9000
Origin: USA
Date of Issue: 2013-04-09

Chemical Identification(s): Crystal Violet and 70% Ethanol
Intended Use: The Dye Solution is used to verify that the Autoplate is operating correctly and to become familiar with the Autoplate's operation.

SECTION 2 – HAZARDS IDENTIFICATION

Health

Routes of Entry:
Inhalation, ingestion, or skin contact.
Health Hazards:
Harmful if swallowed. 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 3 – COMPOSITION/INFORMATION ON INGREDIENTS

Component:
Crystal Violet
CAS #:
548-62-9
Synonyms:
Gentian Violet, Hexamethyl-p-Rosaniline Chloride, Basic Violet 3
Percent:
0.7%

Component:
70% Ethanol
CAS #:
64-17-5
Synonyms:
Not available
Percent:
< 1%

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 (ºF):
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 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. Do not get in eyes, on skin, or on clothing. Ensure good ventilation/exhaustion at the workplace. Prevent formation of dust. Store away from oxidizing agents. Do not store together with reducing agents, heavy metal compounds, acids and alkali.

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:

Dark Purple Liquid

Boiling Point:

Not available

Specific Gravity (H_2O = 1):

Not available

Melting Point (ºC):

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:
Danger of explosion: Forms very sensitive explosive metallic compounds. Product not self-igniting.
Materials to Avoid:
Sodium hypochlorite, calcium hypochlorite, sodium nitrite, oxidizers, acids, bases, copper, brass, bronze and other heavy metal compounds.
Hazardous Decomposition:
Nitrogen oxides (No_x), ammonia, cyanuric acid.
Hazardous Polymerization:
Does not occur.
Additional Information:
None

SECTION 11 – TOXICOLOGICAL INFORMATION

Symptoms of Exposure:
Irritating on contact with skin, eyes, mucous membranes, or upper respiratory tract. Harmful if swallowed.
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

Ecological effects:
Not available
General notes:
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.
Other:
Abfallschlüsselnummern in Austria (ÖNORM S2100): 59305

SECTION 14 – TRANSPORTATION INFORMATION

DOT Proper Shipping Name:
Not regulated
DOT ID Number:
Not regulated

SECTION 15 – REGULATORY INFORMATION

European Information:
Not available
Reviews, Standards, and Regulations:
Not available

SECTION 16 – OTHER INFORMATION

Comments:
None
NFPA Hazard Ratings:
Health: Not available
Flammability: Not available
Reactivity: Not available
Special Hazards: Not available

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