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PRESTO ON 6-16-15

Abbey Color Incorporated
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EMERGENCY NUMBER: 1-800-985-2207

Safety Data Sheet

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: ABCOL® Uranine 75% D
SYNONYMS: Disodium Fluorescein, Sodium Fluorescein, Uranine
PRODUCT CODES: 0032720, 0032721, 0032722

MANUFACTURER: Abbey Color Incorporated
DIVISION: n/a
ADDRESS: 400 East Tioga Street, Philadelphia, PA 19134 USA

EMERGENCY PHONE: 215-739-9960
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OTHER CALLS: 215-739-9960
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CHEMICAL NAME: Disodium Fluorescein
CHEMICAL FAMILY: Xanthene
CHEMICAL FORMULA: C₂₀H₁₀O₅Na₂

PRODUCT USE: Water tracing
PREPARED BY: Abbey Color Incorporated

SECTION 1 NOTES:

SECTION 2: HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW:

ROUTES OF ENTRY: Inhalation, skin via dust

POTENTIAL HEALTH EFFECTS

EYES: May cause irritation

SKIN: None known except for temporary staining which fades with washing.

INGESTION: Unknown

INHALATION: Unknown

ACUTE HEALTH HAZARDS: None known

CHRONIC HEALTH HAZARDS: None known

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: Temporary effect on asthma if inhaled.

CARCINOGENICITY

OSHA: No ACGIH: NO NTP: No IARC: NO OTHER: None known

SECTION 2 NOTES: None

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

INGREDIENT:

<u>CAS NO.</u>	<u>% WT</u>	<u>% VOL</u>	<u>SARA 313 REPORTABLE</u>
518-47-8	75	n/a	No
	<u>ppm</u>	<u>mg/m3</u>	
OSHA PEL-TWA:	not established	not established	
OSHA PEL STEL :	not established	not established	
OSHA PEL CEILING:	not established	not established	
ACGIH TLV-TWA:	not established	not established	
ACGIH TLV STEL:	not established	not established	
ACGIH TLV CEILING:	not established	not established	

SECTION 3 NOTES: Treat material as a nuisance with an ACGIH total dust limit of 10 mg/m³

SECTION 4: FIRST AID MEASURES

EYES: Flush eyes with flowing water for at least 15 minutes while holding eyelids apart to irrigate thoroughly. Get medical attention immediately.

SKIN: Wash affected area thoroughly with soap and water. If irritation develops in the area affected, consult a physician.

INGESTION: If swallowed, dilute with water and induce vomiting. Get immediate medical attention. Never give fluids or induce vomiting if patient is unconscious or has convulsions.

INHALATION: If inhaled, move person to a fresh air area. If breathing is difficult, give oxygen and get medical attention immediately.

NOTES TO PHYSICIANS OR FIRST AID PROVIDERS: None

SECTION 4 NOTES: None

SECTION 5: FIRE-FIGHTING MEASURES

FLAMMABLE LIMITS IN AIR, UPPER: Not available
(% BY VOLUME) **LOWER:** Not available

FLASH POINT:
F: Greater than 200° F
C: Greater than 93.3° C

METHOD USED: Closed cup

AUTOIGNITION TEMPERATURE:
F: Not available
C: Not available

EXTINGUISHING MEDIA: SMALL FIRE: Use DRY chemical powder LARGE FIRE: Use water spray, fog or foam.

SPECIAL FIRE FIGHTING PROCEDURES: Do not use water jet.

UNUSUAL FIRE AND EXPLOSION HAZARDS: Fine dust dispersed in air sufficient concentration and in the presence of an ignition source is a potential dust explosion hazard.

HAZARDOUS DECOMPOSITION PRODUCTS: None known

SECTION 5 NOTES: None

SECTION 6: ACCIDENTAL RELEASE MEASURES

ACCIDENTAL RELEASE MEASURES: Small Spill: Use appropriate tools to put the spilled solid in convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and dispose of according to local and regional authority requirements. Large Spill: Use a shovel to put the material into a convenient waste disposal container. Finish cleaning by spreading water on the contaminate surface and allow to evacuate through the sanitary system if permitted.

SECTION 6 NOTES: Contact local waste water treatment authority regarding the discharge of green dye into their system.

SECTION 7: HANDLING AND STORAGE

HANDLING AND STORAGE: Keep in a secure area. Keep away from heat and sunlight. Keep away from sources of ignition. If empty containers present a fire risk, evacuate the residue under a fume hood. Ground all equipment containing material. Do not breathe dust. Wear suitable protective clothing. In case of insufficient ventilation, wear suitable respiratory equipment. If you feel unwell, seek medical attention and show the label when possible. Avoid contact with skin and eyes. Keep away from incompatible such as oxidizing agents.

STORAGE: Keep containers tightly closed. Keep in a cool, well-ventilated area.

OTHER PRECAUTIONS: None known

SECTION 7 NOTES: None

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS: Use process enclosure, local ventilation or other engineering controls to keep airborne levels below recommended exposure limits. If user generates dust, fume or mist, use ventilation to keep exposure to airborne contaminates below the exposure limit.

VENTILATION: Same as above

RESPIRATORY PROTECTION: Dust mask

EYE PROTECTION: Protect from exposure

SKIN PROTECTION: Protect from exposure

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: Standard PPE as with any dust.

WORK HYGIENIC PRACTICES: Standard PPE as with any dust.

EXPOSURE GUIDELINES: Treat material as a nuisance particulate with a ACGIH total dust limit of 10 mg/m³

SECTION 8 NOTES: None

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: Orange to Red

ODOR: None

PHYSICAL STATE: Very fine solid particles

pH AS SUPPLIED: Not applicable

pH (Other): Not available

BOILING POINT:

F: Not applicable

C: Not applicable

MELTING POINT:

F: 599° F

C: 315° C

FREEZING POINT:

F: Not applicable

C: Not applicable

VAPOR PRESSURE (mmHg):

F: Not applicable

C: Not applicable

VAPOR DENSITY (AIR = 1):

F: Not applicable

C: Not applicable

SPECIFIC GRAVITY (H₂O = 1):

F: Not applicable

C: Not applicable

EVAPORATION RATE: Not applicable

SOLUBILITY IN WATER: Complete

PERCENT SOLIDS BY WEIGHT: Greater than 94%

PERCENT VOLATILE:

BY WT. Not more than 4 % BY VOL @ Not more than 4 %

F: 105° C

C: 220° F

VOLATILE ORGANIC COMPOUNDS (VOC):

WITH WATER: LBS/GAL Not applicable

WITHOUT WATER: LBS/GAL Not applicable

MOLECULAR WEIGHT: 376.28 g/mole

VISCOSITY: Not applicable

SECTION 9 NOTES: None

SECTION 10: STABILITY AND REACTIVITY

STABILITY: The product is stable.

CONDITIONS TO AVOID (STABILITY): Protect for degradation by light

INCOMPATIBILITY (MATERIAL TO AVOID): Alkalis.

HAZARDOUS DECOMPOSITION OR BY-PRODUCTS: None known

HAZARDOUS POLYMERIZATION: Will not occur

CONDITIONS TO AVOID (POLYMERIZATION): None known

SECTION 10 NOTES: None

SECTION 11: TOXICOLOGICAL INFORMATION

TOXICOLOGICAL INFORMATION:

ROUTES OF ENTRY: Eye contact. Inhalation. Ingestion.

TOXICITY TO ANIMALS: Acute oral toxicity (LD₅₀) 4738 mg/kg (Mouse)

CHRONIC EFFECTS ON HUMANS:

MUTAGENIC EFFECTS: Mutagenic form mammalian somatic cells. Mutagenic for bacteria and/or yeast.

DEVELOPMENTAL TOXICITY: Classified reproductive system/toxin/female (POSSIBLE)

OTHER TOXIC EFFECT ON HUMANS: Hazardous in case of skin contact (irritant) or inhalation. Slightly hazardous in case of ingestion.

SPECIAL REMARKS ON TOXICITY to animals: Not available

SPECIAL REMARKS ON CHRONIC EFFECTS ON HUMANS: May cause adverse reproductive effect (maternal) based on animal studies. May affect genetic material. May cause cancer (tumorigenic) based on animal studies. May cross the human placenta when applied to eyes as a topical ophthalmic solution

SPECIFIC REMARKS ON OTHER TOXIC EFFECTS ON HUMANS: Acute Potential Health Effects: Skin- may cause skin irritation. Eyes - Dust may cause eye irritation. Ingestion: High doses may cause digestive tract irritation including nausea and vomiting. May affect behavior, respiration (dyspnea), cardiovascular system, blood and sense organs. Inhalation: Dust may cause respiratory tract irritation.

SECTION 11 NOTES: None

SECTION 12: ECOLOGICAL INFORMATION

ECOLOGICAL INFORMATION:

Ecotoxicity: Not available

BOD5 and COD: Not available

Products of Biodegradation: Possibly hazardous short term degradation product are not likely, however, long term degradation products may arise.

Toxicity of the Products of Biodegradation: The product itself and its products of degradation are not toxic.

Special Remarks on the Products of Biodegradation: Not available.

SECTION 12 NOTES: None

SECTION 13: DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD: Waste must be disposed of in accordance with federal, state and local environmental control regulations.

SECTION 14: TRANSPORT INFORMATION

U.S. DEPARTMENT OF TRANSPORTATION: Not a DOT controlled material (United States)

PROPER SHIPPING NAME:
HAZARD CLASS:
ID NUMBER:
PACKING GROUP:
LABEL STATEMENT:

OTHER AGENCIES: WHMIS (Canada) not controlled under WHMIX (Canada)

SECTION 14 NOTES: None

SECTION 15: REGULATORY INFORMATION

U.S. FEDERAL REGULATIONS

TSCA (TOXIC SUBSTANCE CONTROL ACT): In compliance

CERCLA (COMPREHENSIVE RESPONSE COMPENSATION, AND LIABILITY ACT):

SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT): Not applicable

311/312 HAZARD CATEGORIES: Not applicable

313 REPORTABLE INGREDIENTS:

STATE REGULATIONS: See state requirements

INTERNATIONAL REGULATIONS: See foreign company requirements

SECTION 15 NOTES: None

SECTION 16: OTHER INFORMATION

OTHER INFORMATION: None as of the creation date

NFPA HAZARD CLASSIFICATION

HEALTH: 0 FLAMMABILITY: 0 REACTIVITY: 1 OTHER: None known

HMIS HAZARD CLASSIFICATION

HEALTH: 2 FIRE HAZARD: 1 REACTIVITY: 1 SPECIFIC HAZARD: None known

PREPARATION INFORMATION: Creation date 04-24-15

DISCLAIMER: TO THE BEST OF OUR KNOWLEDGE, THE INFORMATION CONTAINED HEREIN IS ACCURATE. HOWEVER, ABBEY COLOR DOES NOT ASSUME ANY LIABILITY WHATSOEVER FOR THE ACCURACY OR COMPLETENESS OF THE INFORMATION CONTAINED HEREIN. FINAL DETERMINATION OF SUITABILITY OF ANY MATERIAL IS THE SOLE RESPONSIBILITY OF THE USER. ALL MATERIALS THAT MAY PRESENT UNKNOWN HEALTH HAZARDS ARE DESCRIBED HEREIN. WE CANNOT GUARANTEE THAT THESE ARE THE ONLY HAZARDS THAT EXIST.

0032721 – Uranine 75% D

